

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077439.D
 Acq On : 30 Oct 2023 10:41
 Operator : JC/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 03:54:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 03:41:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	361122	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	630564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	553507	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	254156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	94356	18.478	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	36.960%	#	
35) Dibromofluoromethane	7.804	113	83191	19.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.180%	#	
50) Toluene-d8	10.269	98	327020	19.318	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.640%	#	
62) 4-Bromofluorobenzene	12.575	95	108691	19.063	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	54769	18.809	ug/l	98
3) Chloromethane	2.152	50	80554	17.425	ug/l	95
4) Vinyl Chloride	2.287	62	80031	17.753	ug/l	98
5) Bromomethane	2.687	94	39371	16.667	ug/l	98
6) Chloroethane	2.840	64	51196	16.868	ug/l	96
7) Trichlorofluoromethane	3.175	101	116850	18.509	ug/l	99
8) Diethyl Ether	3.599	74	40120	17.679	ug/l #	47
9) 1,1,2-Trichlorotrifluo...	3.963	101	72504	19.024	ug/l	95
10) Methyl Iodide	4.164	142	68502	16.484	ug/l #	90
11) Tert butyl alcohol	5.052	59	37675	93.140	ug/l #	88
12) 1,1-Dichloroethene	3.940	96	64180	17.788	ug/l #	70
13) Acrolein	3.799	56	54045	101.319	ug/l	99
14) Allyl chloride	4.558	41	155338	17.846	ug/l #	83
15) Acrylonitrile	5.258	53	112372	91.603	ug/l	98
16) Acetone	4.022	43	121855	90.181	ug/l #	77
17) Carbon Disulfide	4.269	76	135769	15.039	ug/l	97
18) Methyl Acetate	4.558	43	82642	16.767	ug/l #	78
19) Methyl tert-butyl Ether	5.316	73	203461	17.965	ug/l	93
20) Methylene Chloride	4.805	84	98814	17.900	ug/l #	66
21) trans-1,2-Dichloroethene	5.311	96	72662	17.292	ug/l #	75
22) Diisopropyl ether	6.216	45	338497	18.298	ug/l #	88
23) Vinyl Acetate	6.157	43	714611m	88.812	ug/l	
24) 1,1-Dichloroethane	6.116	63	176606	18.398	ug/l	94
25) 2-Butanone	7.081	43	163158	90.526	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	156120	18.353	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	92235	17.717	ug/l	64
28) Bromochloromethane	7.422	49	63894	16.170	ug/l #	56
29) Tetrahydrofuran	7.446	42	94072	88.005	ug/l #	70
30) Chloroform	7.599	83	166010	18.523	ug/l	94
31) Cyclohexane	7.875	56	135661	16.995	ug/l #	79
32) 1,1,1-Trichloroethane	7.793	97	135449	18.342	ug/l	95
36) 1,1-Dichloropropene	8.004	75	117291	18.152	ug/l	91
37) Ethyl Acetate	7.175	43	69052	18.621	ug/l #	86
38) Carbon Tetrachloride	7.993	117	111518	18.314	ug/l	99
39) Methylcyclohexane	9.269	83	130095	17.645	ug/l #	79
40) Benzene	8.252	78	334576	18.158	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	45757	19.284	ug/l #	69
42) 1,2-Dichloroethane	8.328	62	106573	18.261	ug/l	94
43) Isopropyl Acetate	8.363	43	140333	18.338	ug/l #	81
44) Trichloroethene	9.028	130	82142	18.199	ug/l	77
45) 1,2-Dichloropropane	9.304	63	100680	18.560	ug/l	100
46) Dibromomethane	9.399	93	47817	18.317	ug/l	88
47) Bromodichloromethane	9.587	83	129531	18.772	ug/l	99
48) Methyl methacrylate	9.381	41	62906	17.221	ug/l #	64
49) 1,4-Dioxane	9.387	88	10438	372.101	ug/l #	60
51) 4-Methyl-2-Pentanone	10.157	43	343594	91.219	ug/l #	83
52) Toluene	10.334	92	205291	18.276	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	135771	18.582	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	156653	18.631	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	65161	18.709	ug/l	97
56) Ethyl methacrylate	10.598	69	95322	18.407	ug/l #	61
57) 1,3-Dichloropropane	10.881	76	120397	18.494	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	223181	86.086	ug/l #	85
59) 2-Hexanone	10.922	43	262566	94.625	ug/l	78
60) Dibromochloromethane	11.075	129	77507	18.506	ug/l	94
61) 1,2-Dibromoethane	11.181	107	59699	18.100	ug/l	99
64) Tetrachloroethene	10.810	164	65358	18.547	ug/l	87
65) Chlorobenzene	11.610	112	219488	18.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	83237	18.995	ug/l	96
67) Ethyl Benzene	11.687	91	420931	18.866	ug/l	95
68) m/p-Xylenes	11.793	106	303750	37.700	ug/l	80
69) o-Xylene	12.122	106	147946	19.170	ug/l	80
70) Styrene	12.140	104	252072	18.933	ug/l #	90
71) Bromoform	12.298	173	45652	18.792	ug/l #	98
73) Isopropylbenzene	12.422	105	395573	19.090	ug/l	95
74) N-amyl acetate	12.234	43	137214	18.695	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	76317	18.789	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	58666m	17.274	ug/l	
77) Bromobenzene	12.704	156	86883	19.049	ug/l	72
78) n-propylbenzene	12.763	91	499754	18.994	ug/l	94
79) 2-Chlorotoluene	12.851	91	282275	18.948	ug/l	88
80) 1,3,5-Trimethylbenzene	12.904	105	331826	19.085	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	29099	18.171	ug/l #	85
82) 4-Chlorotoluene	12.945	91	291658	18.795	ug/l	88
83) tert-Butylbenzene	13.169	119	278877	19.077	ug/l	87
84) 1,2,4-Trimethylbenzene	13.210	105	326093	18.880	ug/l	94
85) sec-Butylbenzene	13.345	105	426919	19.087	ug/l	95
86) p-Isopropyltoluene	13.463	119	344265	18.936	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	173890	19.395	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	172615	19.270	ug/l	96
89) n-Butylbenzene	13.787	91	363416	19.232	ug/l	97
90) Hexachloroethane	14.057	117	71491	19.216	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	150385	19.086	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	12641	18.473	ug/l	79
93) 1,2,4-Trichlorobenzene	15.098	180	102866	19.004	ug/l	98
94) Hexachlorobutadiene	15.204	225	57041	19.536	ug/l	98
95) Naphthalene	15.334	128	190482	18.447	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	86323	18.475	ug/l	97

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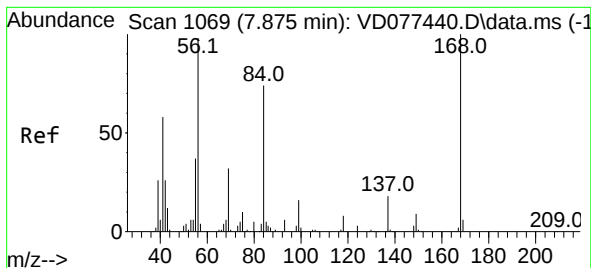
Manual Integrations
APPROVED

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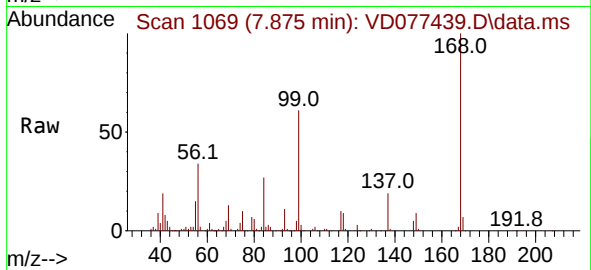
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
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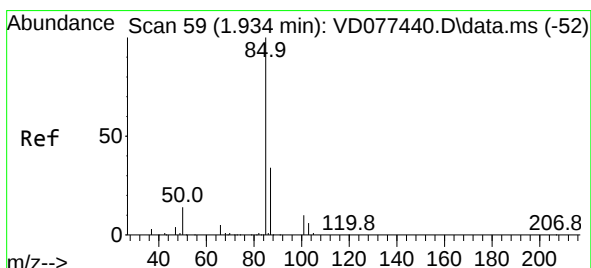
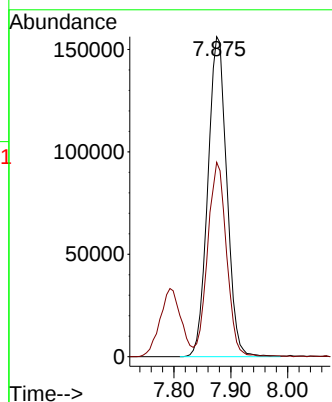
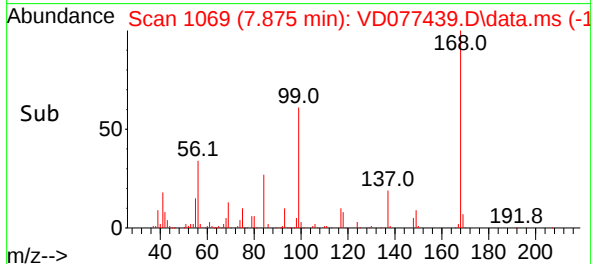
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion:168 Resp: 36112
Ion Ratio Lower Upper
168 100
99 60.5 36.7 55.1

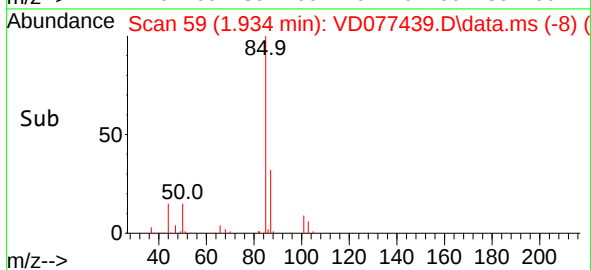
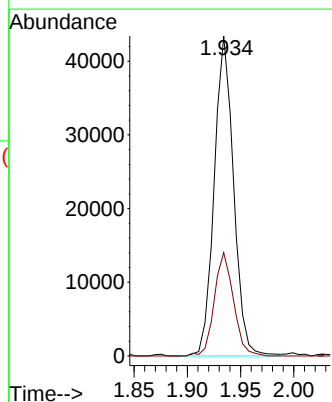
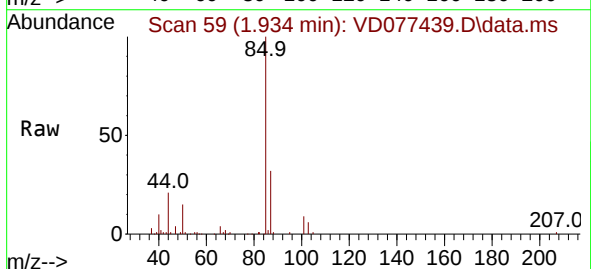
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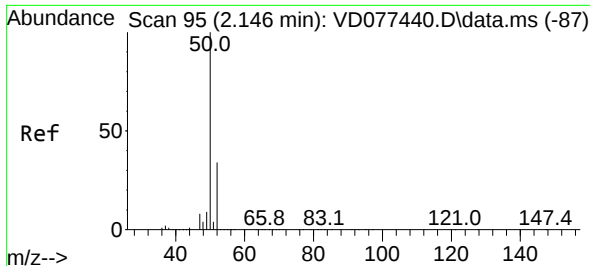
Reviewed By :John Carlone 10/31/2023
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#2
Dichlorodifluoromethane
Concen: 18.809 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion: 85 Resp: 54769
Ion Ratio Lower Upper
85 100
87 32.3 15.7 47.0





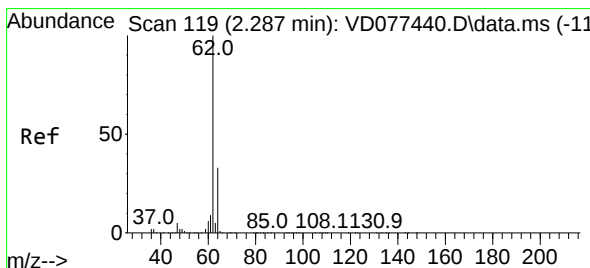
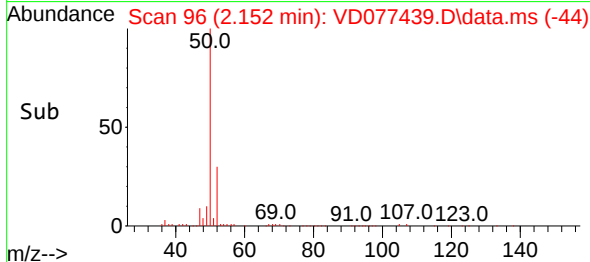
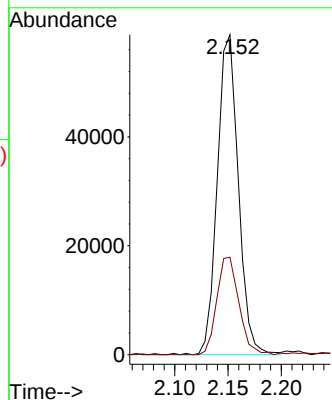
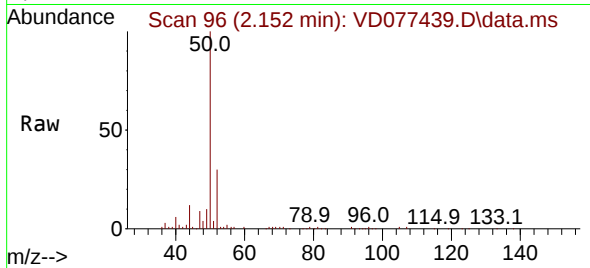
#3
Chloromethane
Concen: 17.425 ug/l
RT: 2.152 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

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Tgt Ion: 50 Resp: 80554
Ion Ratio Lower Upper
50 100
52 30.4 26.6 40.0

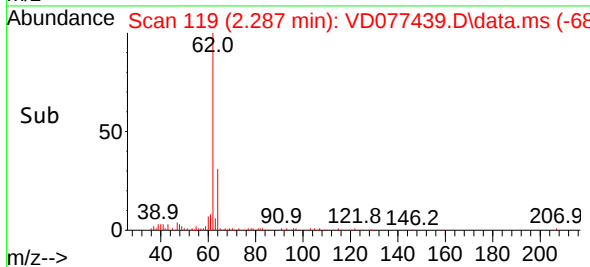
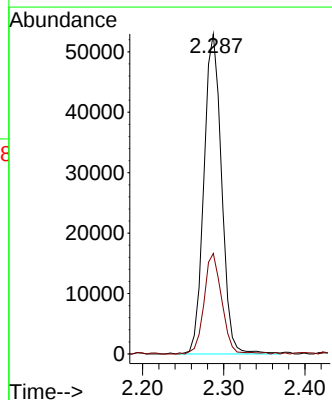
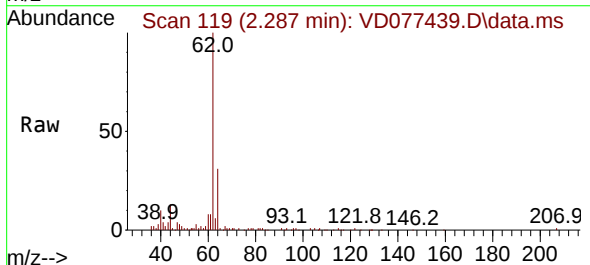
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#4
Vinyl Chloride
Concen: 17.753 ug/l
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion: 62 Resp: 80031
Ion Ratio Lower Upper
62 100
64 31.4 26.0 39.0





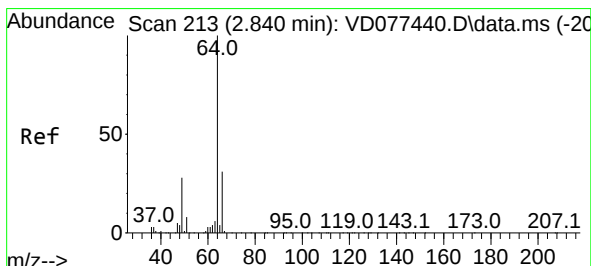
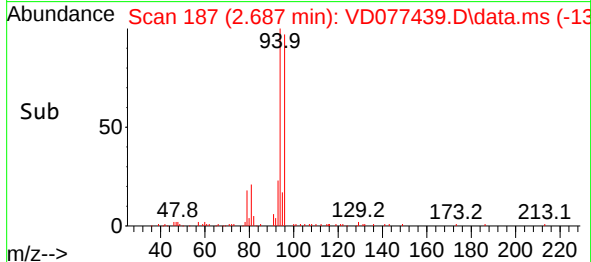
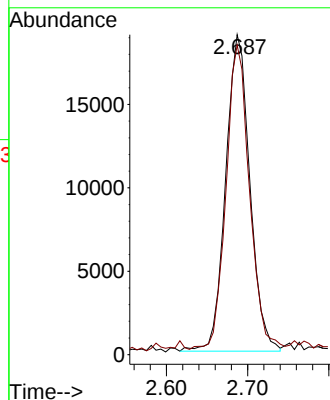
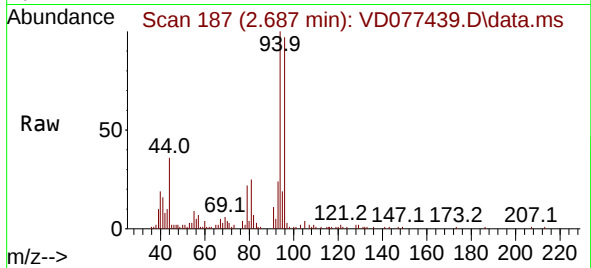
#5
Bromomethane
Concen: 16.667 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 3937
Ion Ratio Lower Upper
94 100
96 93.0 75.8 113.8

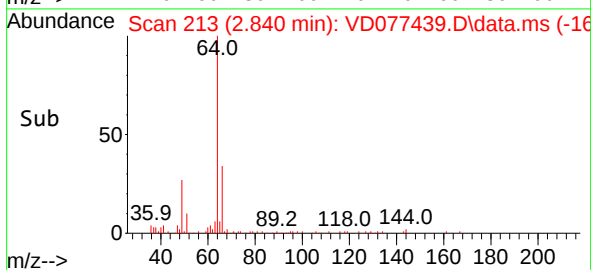
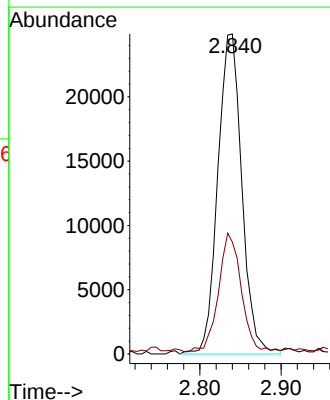
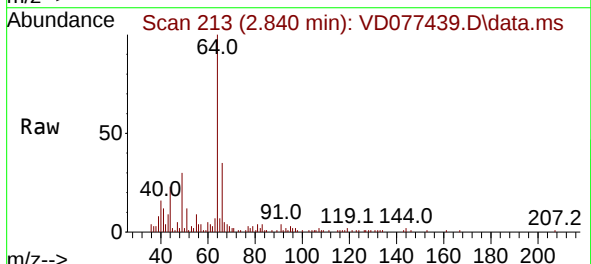
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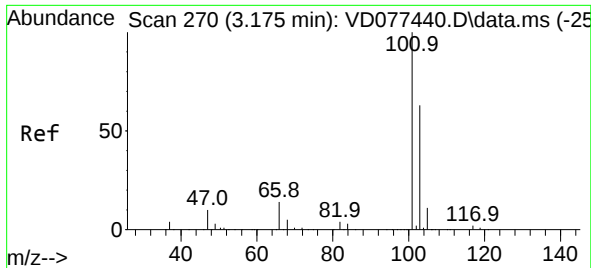
Reviewed By :John Carlone 10/31/2023
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#6
Chloroethane
Concen: 16.868 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

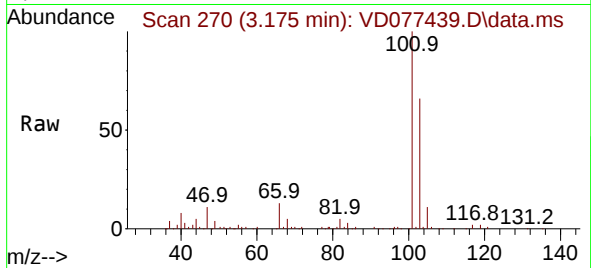
Tgt Ion: 64 Resp: 51196
Ion Ratio Lower Upper
64 100
66 33.9 25.5 38.3





#7
 Trichlorofluoromethane
 Concen: 18.509 ug/l
 RT: 3.175 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD077439.D
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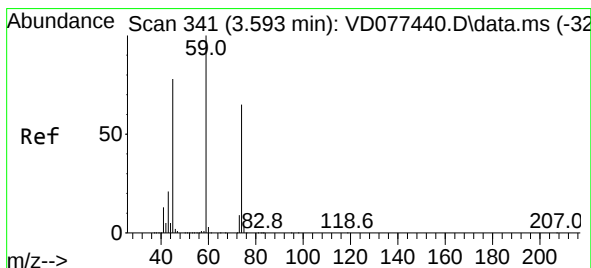
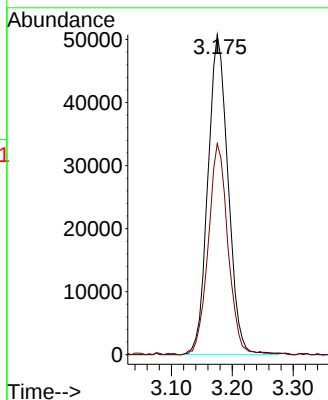
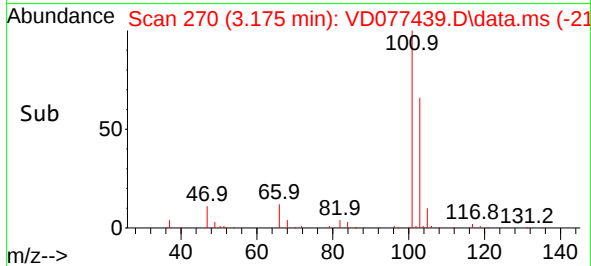
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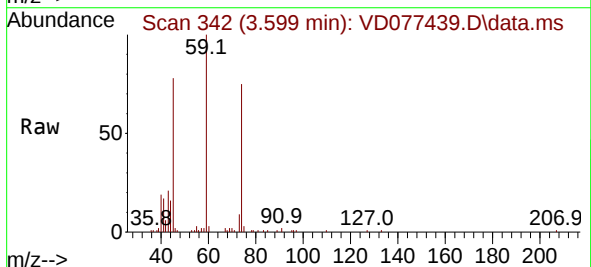
Tgt Ion:101 Resp: 116850
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.3 78.5

Manual Integrations
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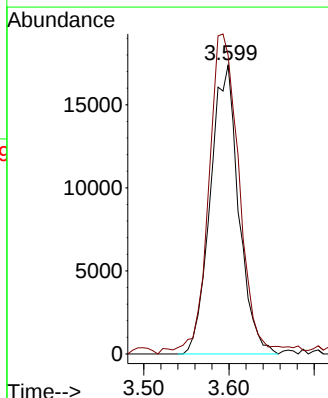
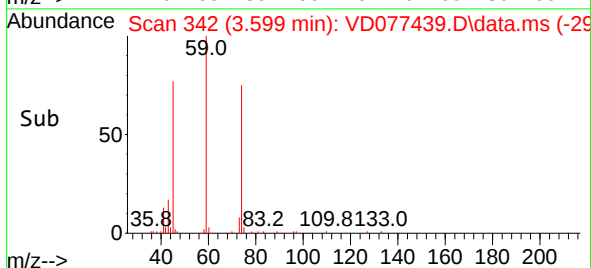
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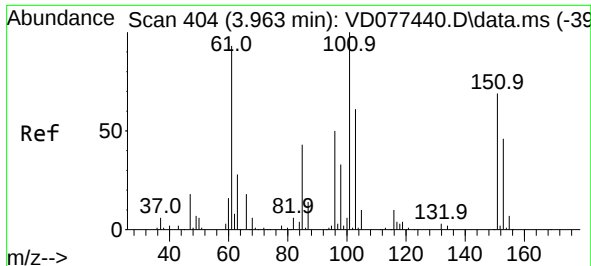


#8
 Diethyl Ether
 Concen: 17.679 ug/l
 RT: 3.599 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VD077439.D
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Tgt Ion: 74 Resp: 40120
 Ion Ratio Lower Upper
 74 100
 45 120.4 37.5 112.7#





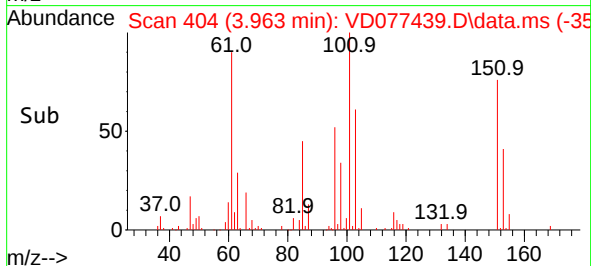
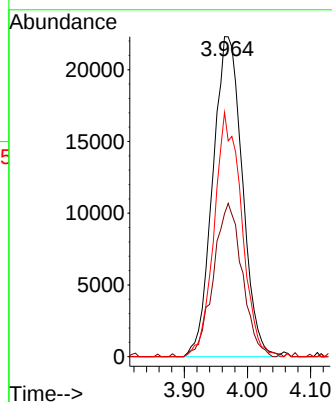
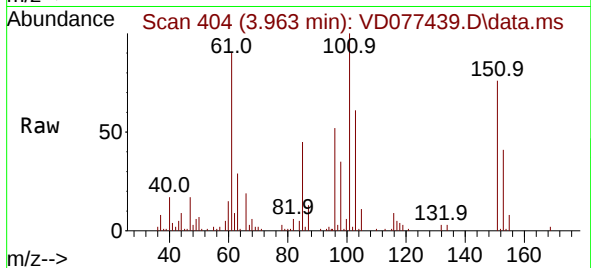
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.024 ug/l
RT: 3.963 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD077439.D
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Tgt Ion:101 Resp: 72504
Ion Ratio Lower Upper
101 100
85 46.7 33.8 50.6
151 70.9 59.8 89.6

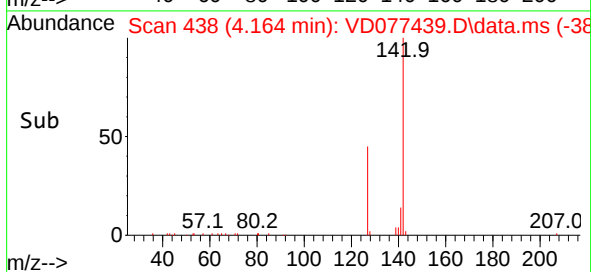
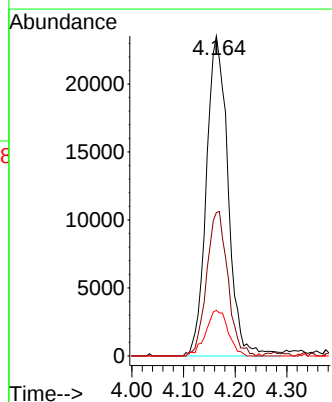
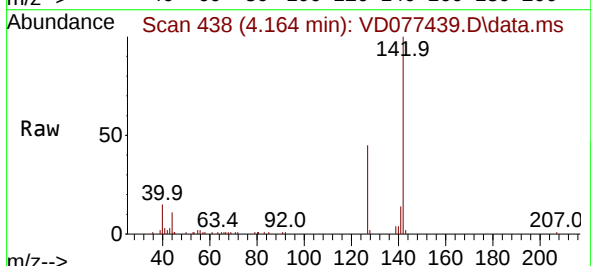
Manual Integrations
APPROVED

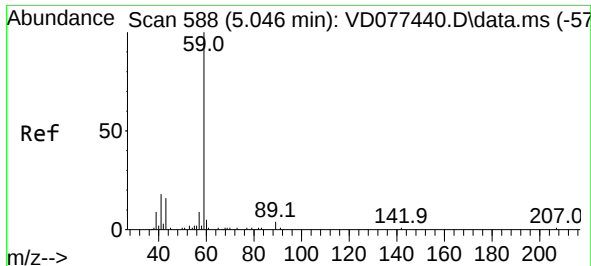
Reviewed By :John Carbone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#10
Methyl Iodide
Concen: 16.484 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.005 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

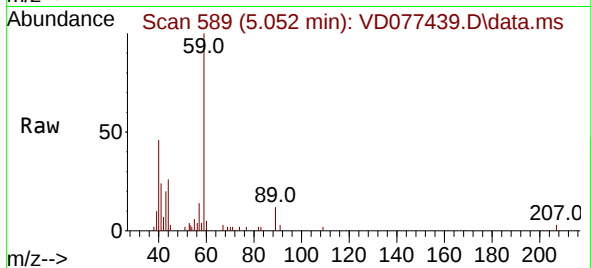
Tgt Ion:142 Resp: 68502
Ion Ratio Lower Upper
142 100
127 44.1 29.4 44.0#
141 14.7 11.1 16.7





#11
Tert butyl alcohol
Concen: 93.140 ug/l
RT: 5.052 min Scan# 589
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

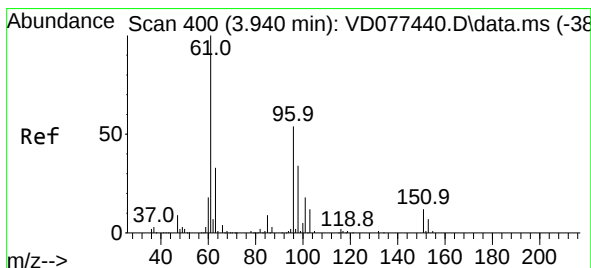
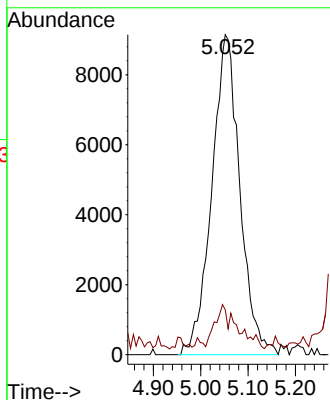
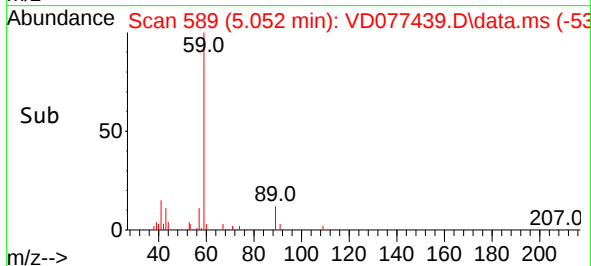
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



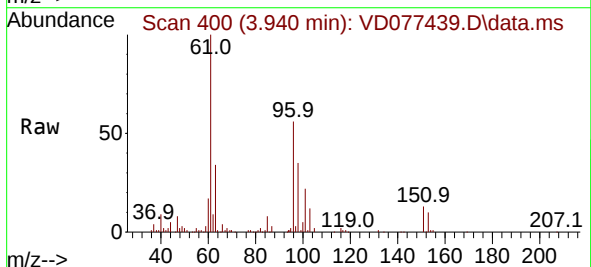
Tgt Ion: 59 Resp: 3767
Ion Ratio Lower Upper
59 100
57 5.5 7.8 11.8

Manual Integrations
APPROVED

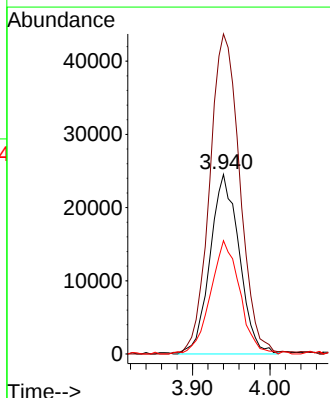
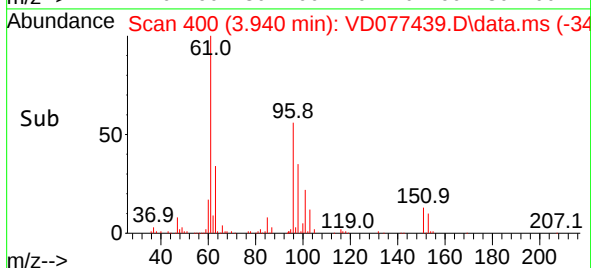
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

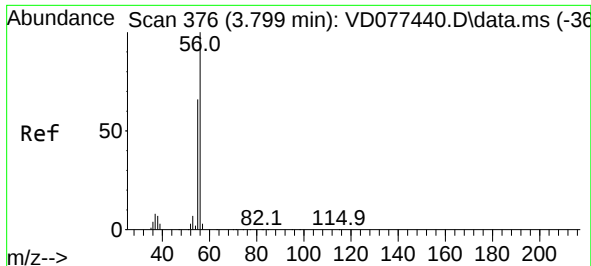


#12
1,1-Dichloroethene
Concen: 17.788 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



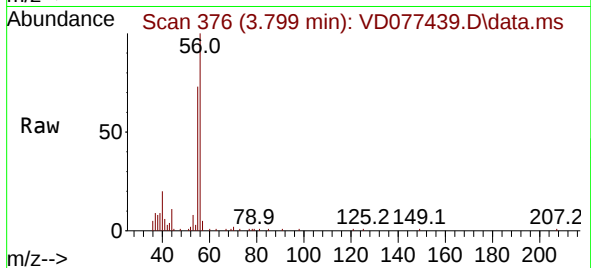
Tgt Ion: 96 Resp: 64180
Ion Ratio Lower Upper
96 100
61 177.3 100.6 150.8#
98 63.1 50.2 75.2





#13
Acrolein
Concen: 101.319 ug/l
RT: 3.799 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

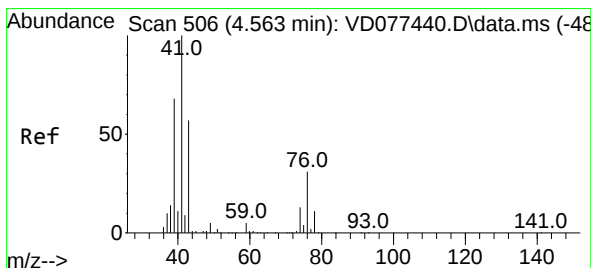
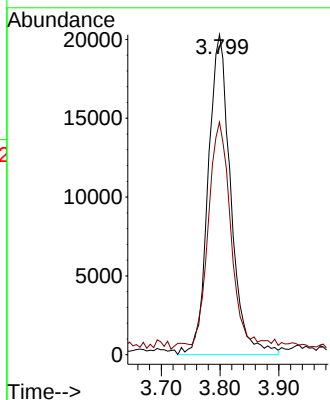
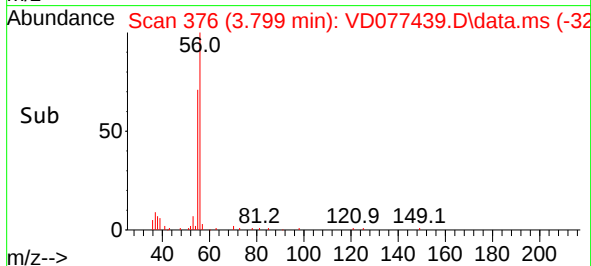
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 5404
Ion Ratio Lower Upper
56 100
55 69.4 55.1 82.7

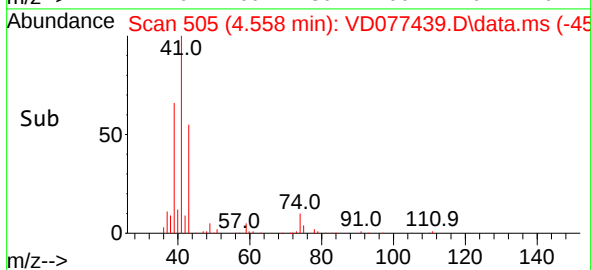
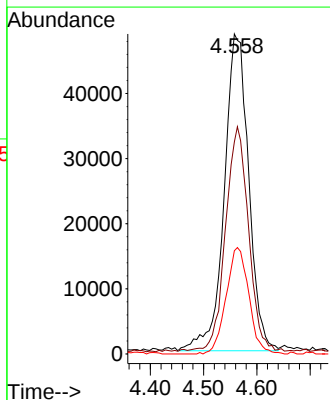
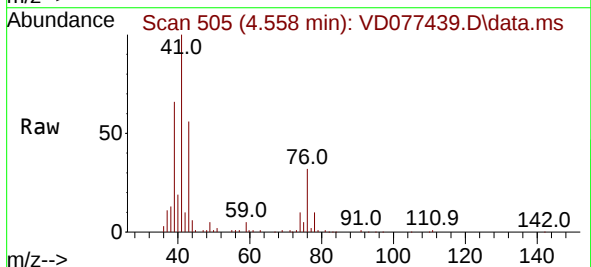
Manual Integrations
APPROVED

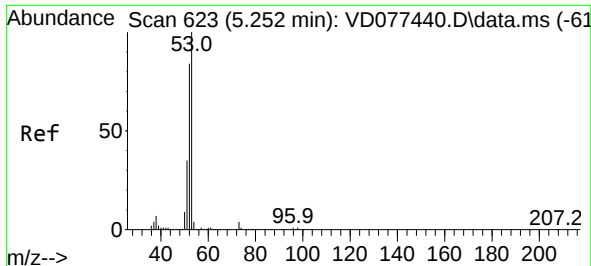
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#14
Allyl chloride
Concen: 17.846 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

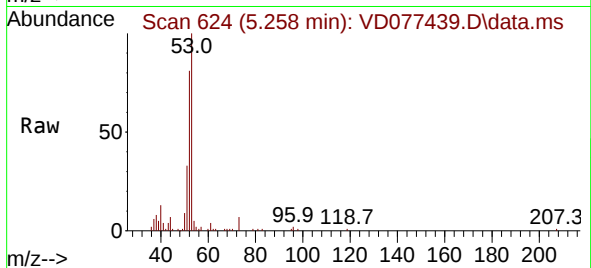
Tgt Ion: 41 Resp: 155338
Ion Ratio Lower Upper
41 100
39 65.9 53.8 80.6
76 31.2 45.8 68.8#





#15
Acrylonitrile
Concen: 91.603 ug/l
RT: 5.258 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

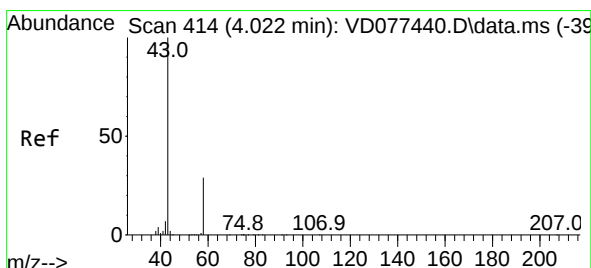
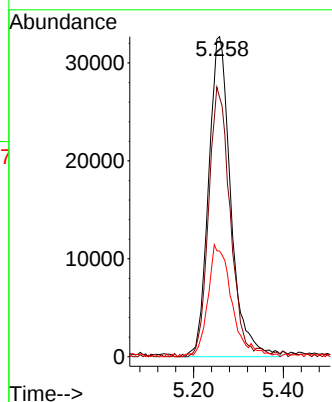
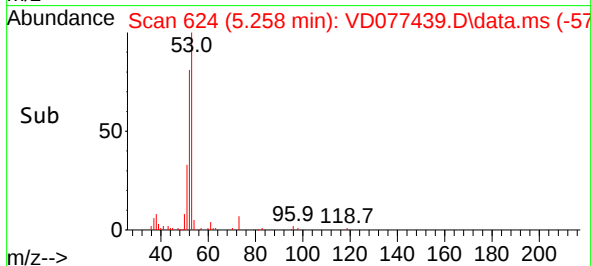
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 112372
Ion Ratio Lower Upper
53 100
52 80.6 65.0 97.4
51 37.6 28.3 42.5

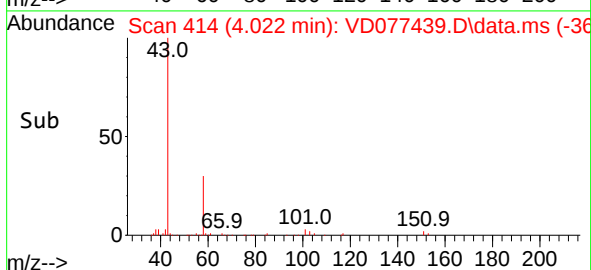
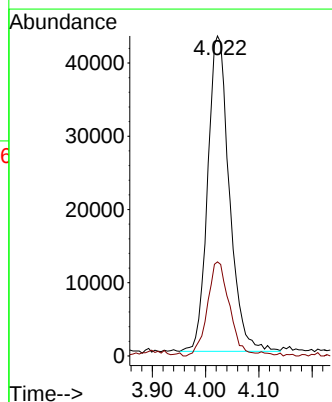
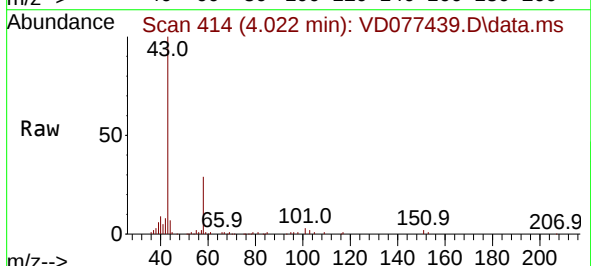
Manual Integrations
APPROVED

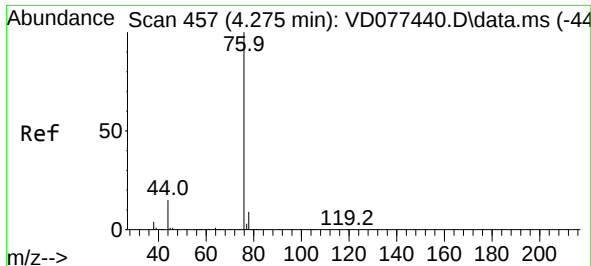
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#16
Acetone
Concen: 90.181 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion: 43 Resp: 121855
Ion Ratio Lower Upper
43 100
58 28.9 34.7 52.1#





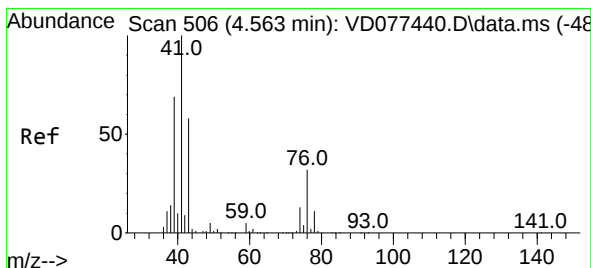
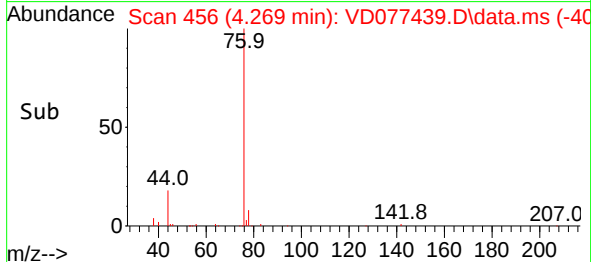
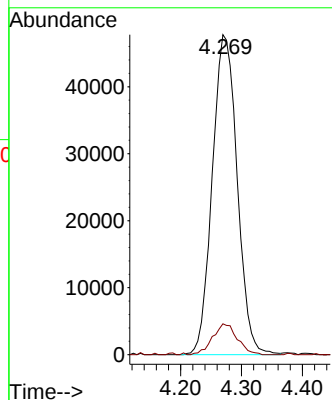
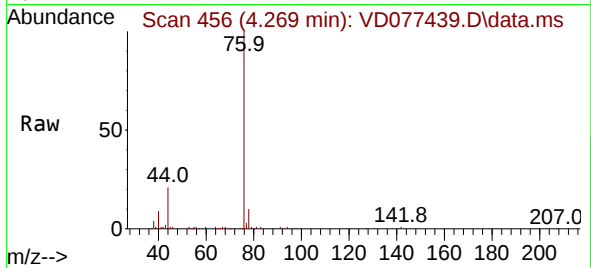
#17
Carbon Disulfide
Concen: 15.039 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 135769
Ion Ratio Lower Upper
76 100
78 9.7 6.8 10.2

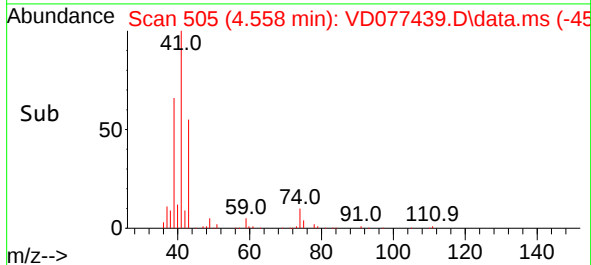
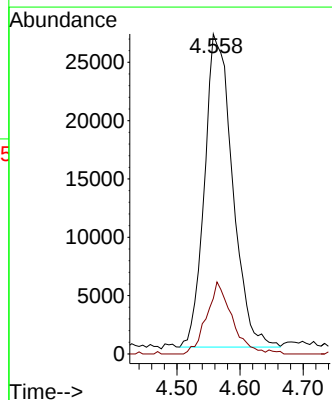
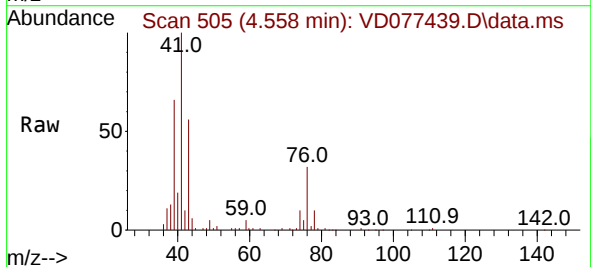
Manual Integrations
APPROVED

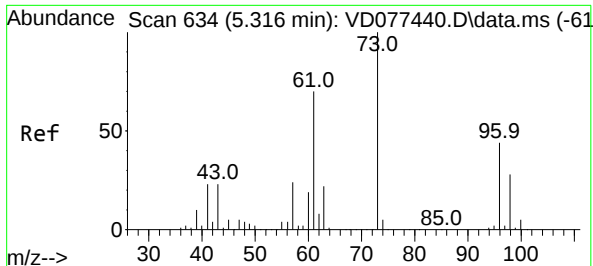
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#18
Methyl Acetate
Concen: 16.767 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.005 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion: 43 Resp: 82642
Ion Ratio Lower Upper
43 100
74 20.7 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 17.965 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 20346

Ion Ratio Lower Upper

73 100

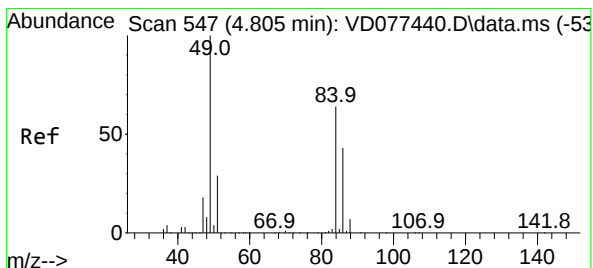
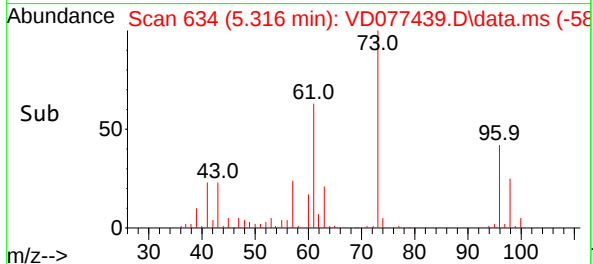
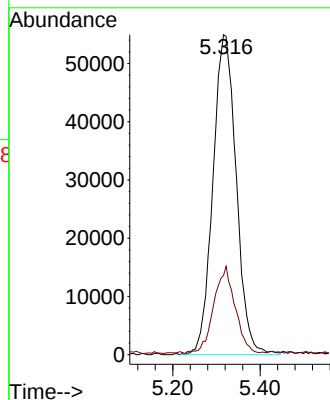
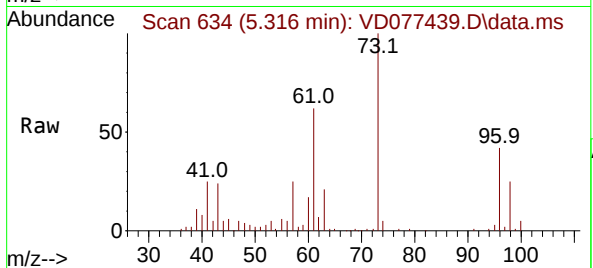
57 24.0 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#20

Methylene Chloride

Concen: 17.900 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Tgt Ion: 84 Resp: 98814

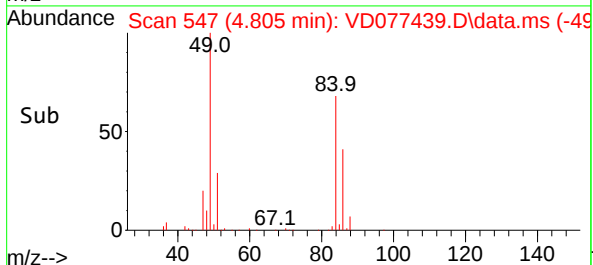
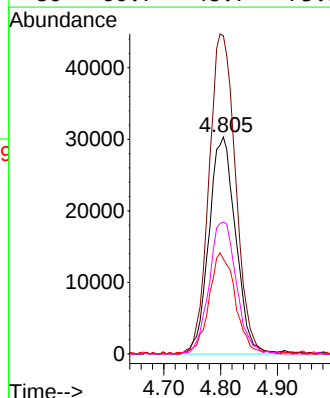
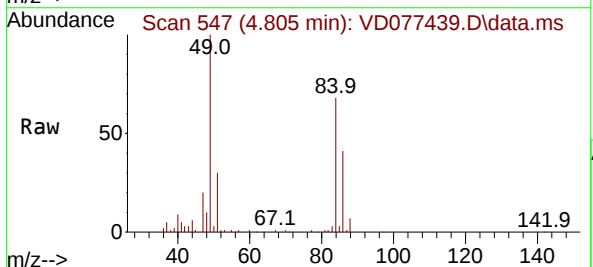
Ion Ratio Lower Upper

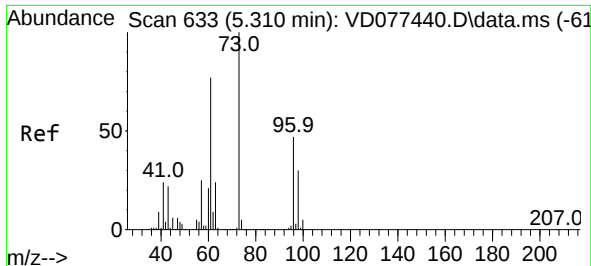
84 100

49 146.5 71.4 107.2#

51 43.0 24.5 36.7#

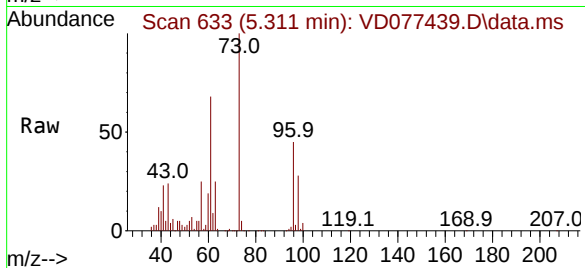
86 60.7 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 17.292 ug/l
RT: 5.311 min Scan# 611
Delta R.T. 0.001 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

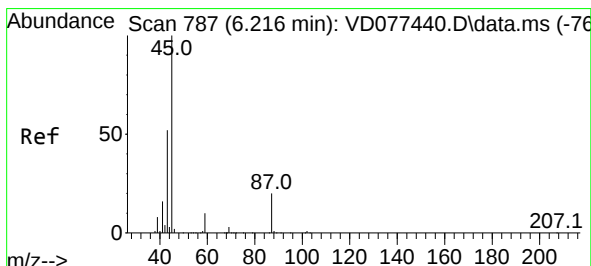
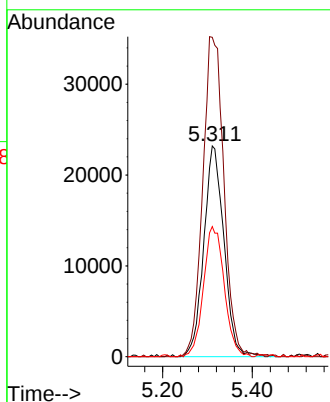
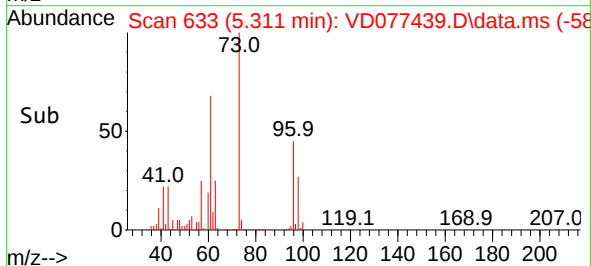
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



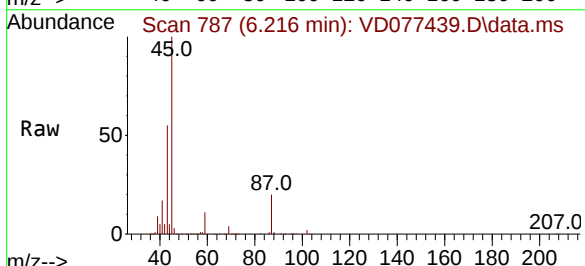
Tgt Ion: 96 Resp: 72662
Ion Ratio Lower Upper
96 100
61 151.6 89.3 133.9
98 61.7 48.6 73.0

Manual Integrations
APPROVED

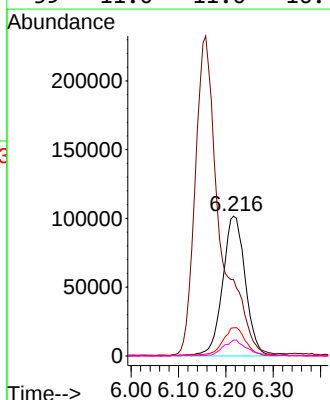
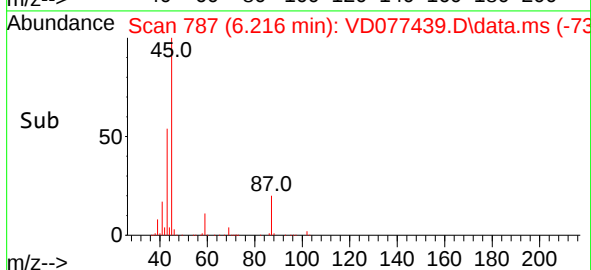
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

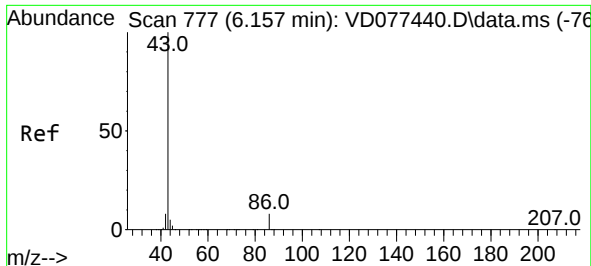


#22
Diisopropyl ether
Concen: 18.298 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



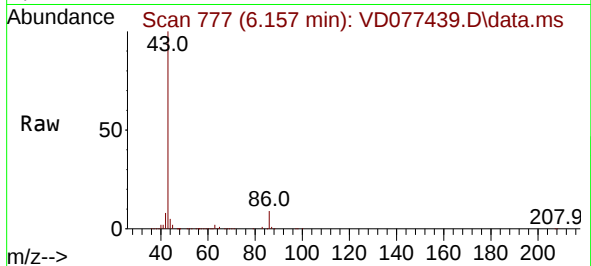
Tgt Ion: 45 Resp: 338497
Ion Ratio Lower Upper
45 100
43 52.9 40.0 60.0
87 19.9 28.2 42.4
59 11.0 11.0 16.4





#23
 Vinyl Acetate
 Concen: 88.812 ug/l m
 RT: 6.157 min Scan# 71461
 Delta R.T. 0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41

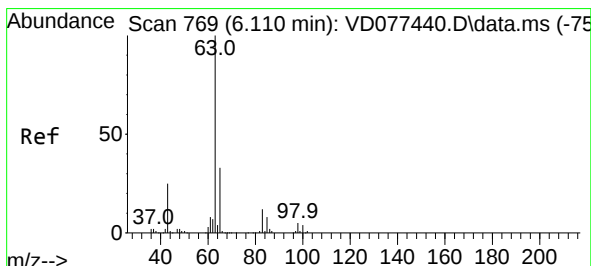
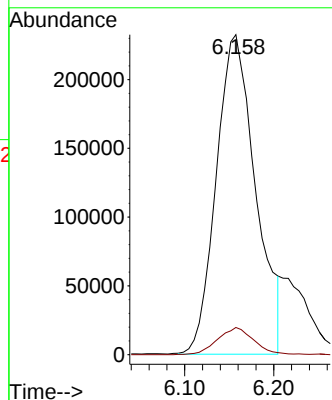
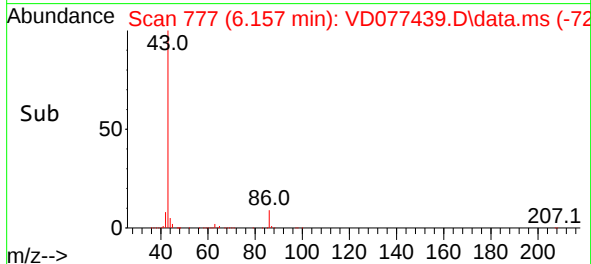
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020



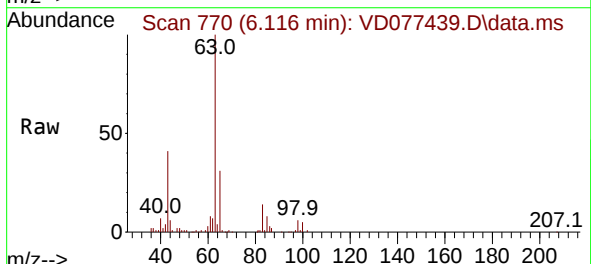
Tgt Ion: 43 Resp: 71461
 Ion Ratio Lower Upper
 43 100
 86 8.5 12.5 18.7

Manual Integrations
 APPROVED

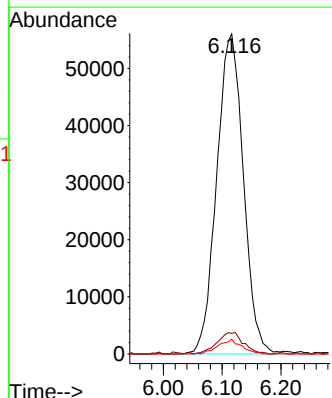
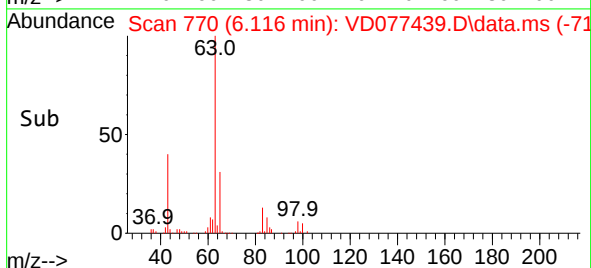
Reviewed By :John Carlone 10/31/2023
 Supervised By :Mahesh Dadoda 10/31/2023

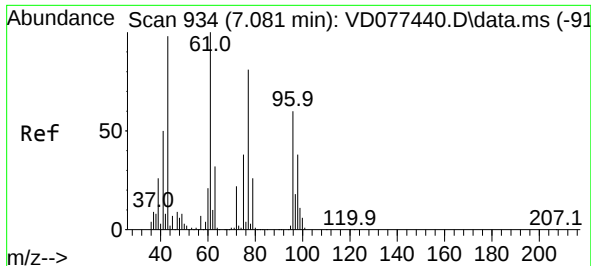


#24
 1,1-Dichloroethane
 Concen: 18.398 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.006 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41



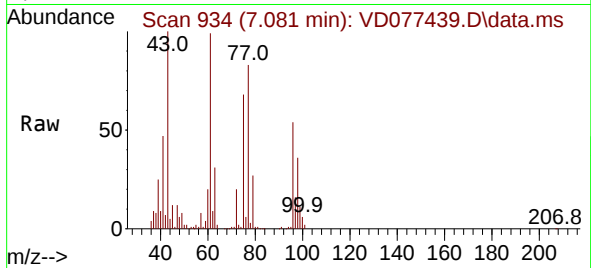
Tgt Ion: 63 Resp: 176606
 Ion Ratio Lower Upper
 63 100
 98 6.1 4.5 13.7
 100 4.6 2.5 7.5





#25
2-Butanone
Concen: 90.526 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

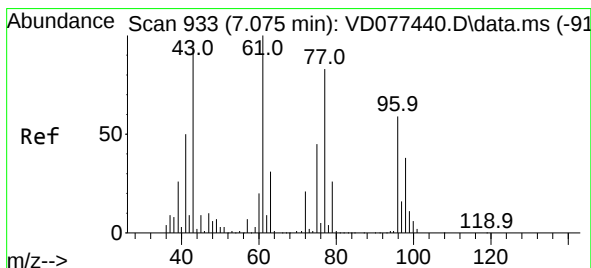
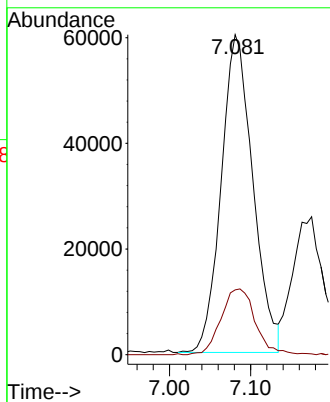
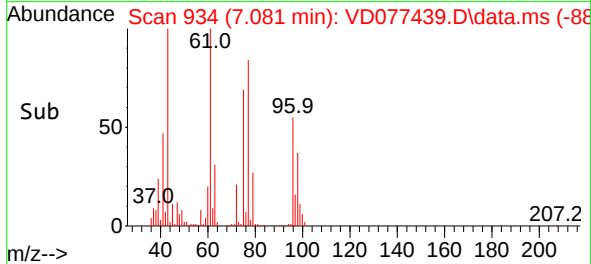
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



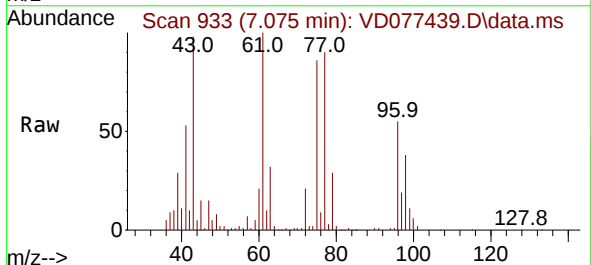
Tgt Ion: 43 Resp: 163158
Ion Ratio Lower Upper
43 100
72 20.1 30.7 46.1

Manual Integrations
APPROVED

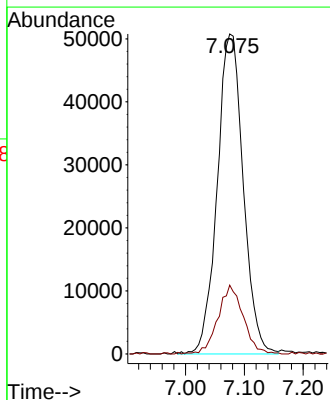
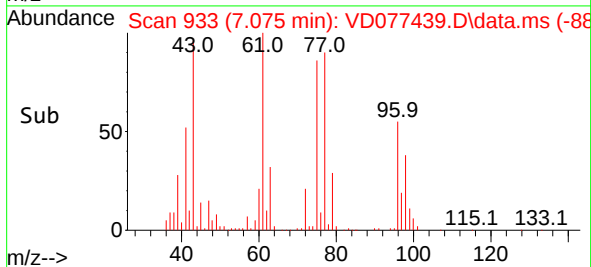
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

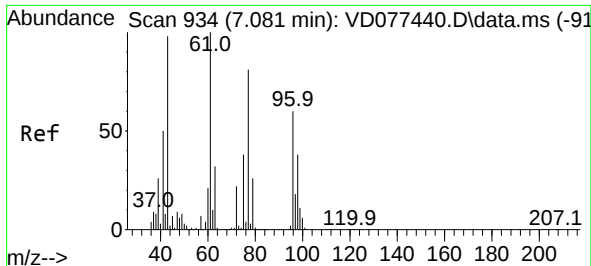


#26
2,2-Dichloropropane
Concen: 18.353 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



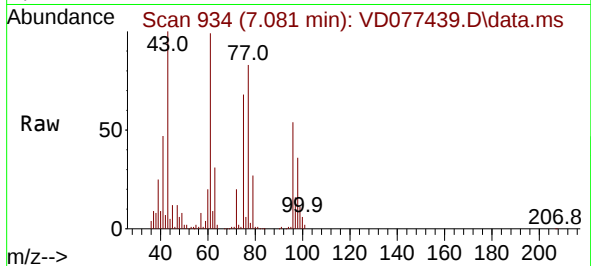
Tgt Ion: 77 Resp: 156120
Ion Ratio Lower Upper
77 100
97 20.8 13.2 39.6





#27
 cis-1,2-Dichloroethene
 Concen: 17.717 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41

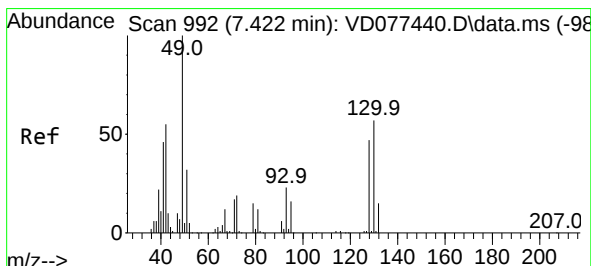
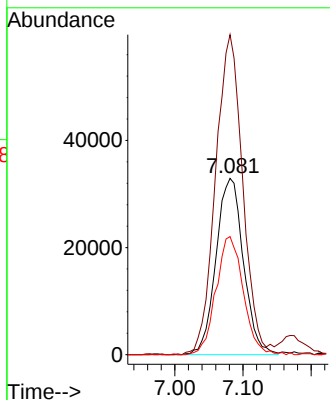
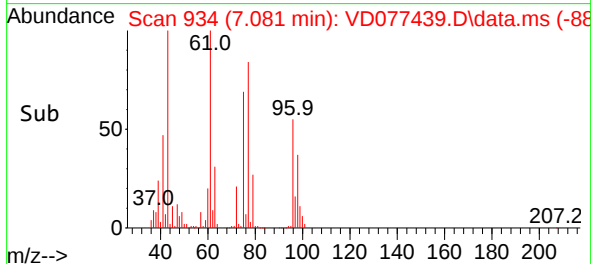
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020



Tgt Ion: 96 Resp: 92235
 Ion Ratio Lower Upper
 96 100
 61 179.8 0.0 239.2
 98 66.5 0.0 128.6

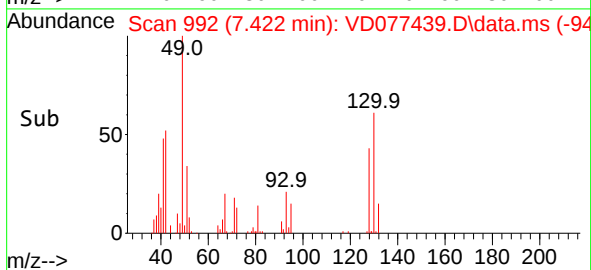
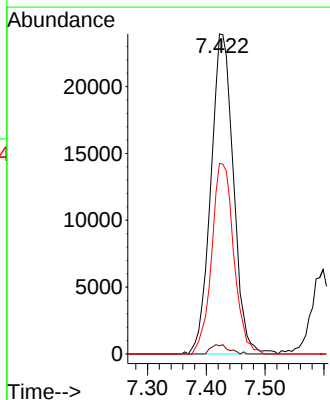
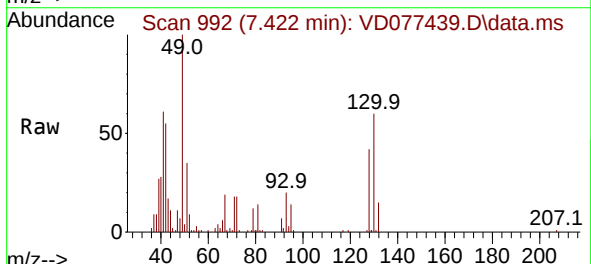
Manual Integrations
 APPROVED

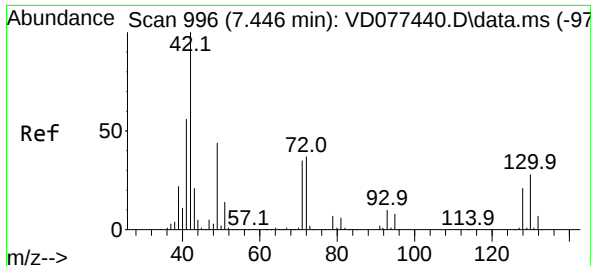
Reviewed By :John Carlone 10/31/2023
 Supervised By :Mahesh Dadoda 10/31/2023



#28
 Bromochloromethane
 Concen: 16.170 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. 0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41

Tgt Ion: 49 Resp: 63894
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 6.0
 130 58.3 83.2 124.8#





#29

Tetrahydrofuran

Concen: 88.005 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

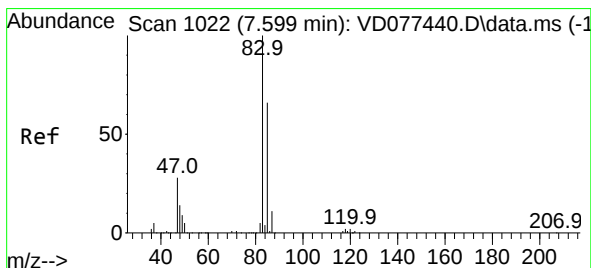
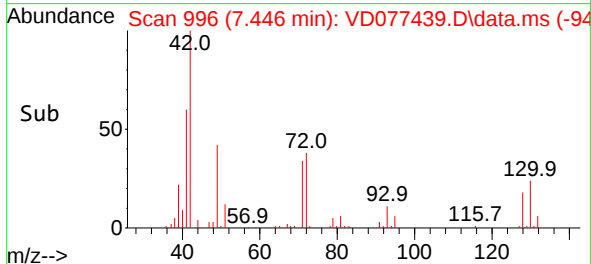
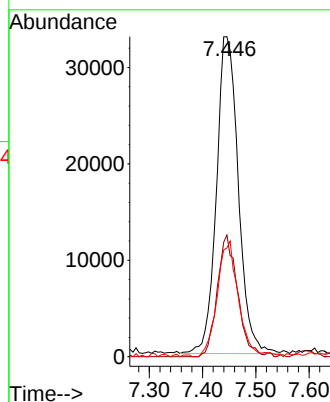
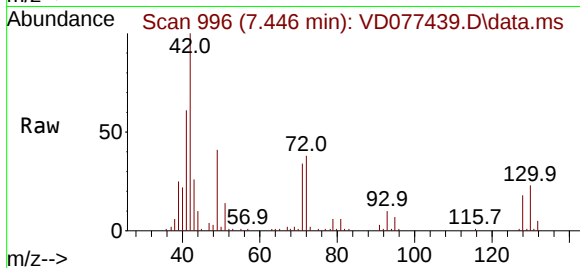
Tgt Ion:	42	Resp:	94072
Ion Ratio	Lower	Upper	
42	100		
72	35.4	46.5	69.7
71	34.6	44.5	66.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#30

Chloroform

Concen: 18.523 ug/l

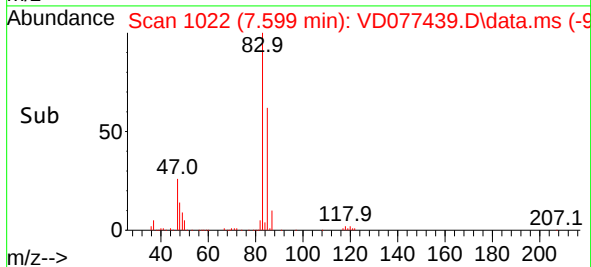
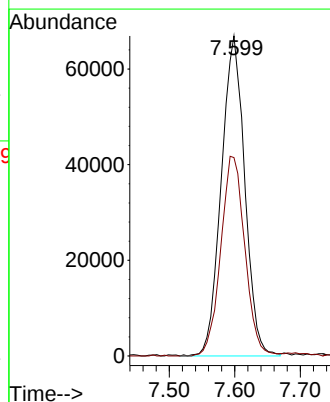
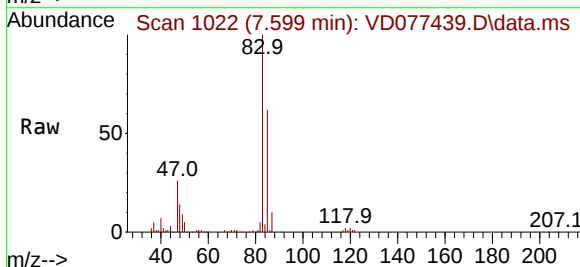
RT: 7.599 min Scan# 1022

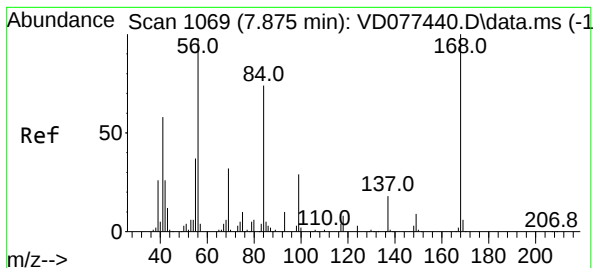
Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Tgt Ion:	83	Resp:	166010
Ion Ratio	Lower	Upper	
83	100		
85	62.0	53.4	80.2





#31

Cyclohexane

Concen: 16.995 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 13566

Ion Ratio Lower Upper

56 100

69 36.9 28.6 43.0

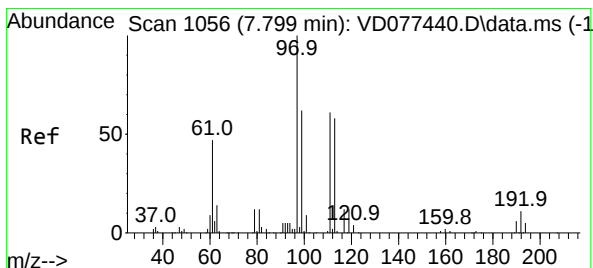
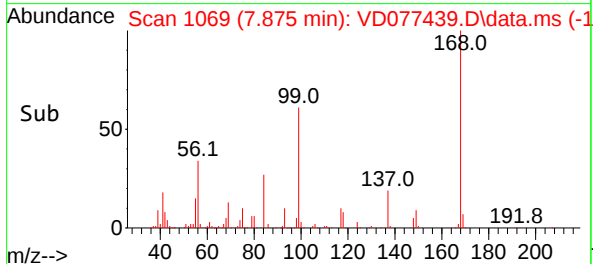
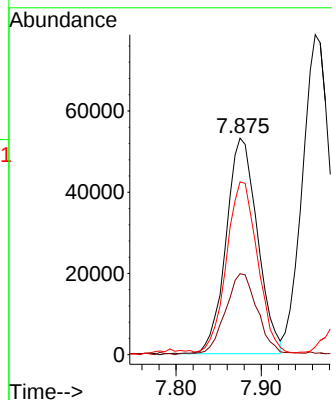
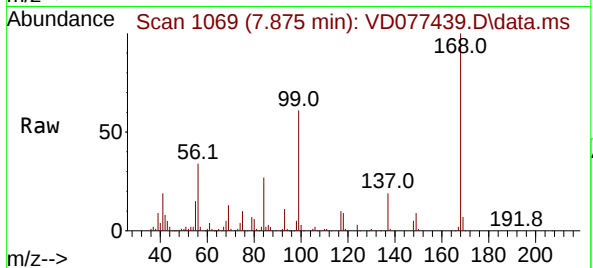
84 78.2 84.8 127.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#32

1,1,1-Trichloroethane

Concen: 18.342 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

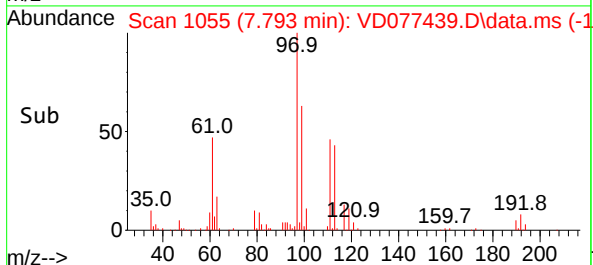
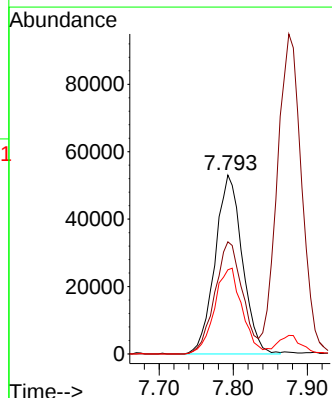
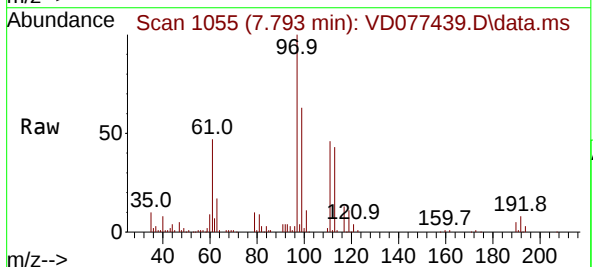
Tgt Ion: 97 Resp: 135449

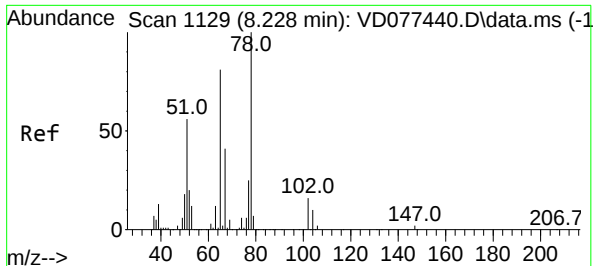
Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

61 48.3 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 18.478 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 94350

Ion Ratio Lower Upper

65 100

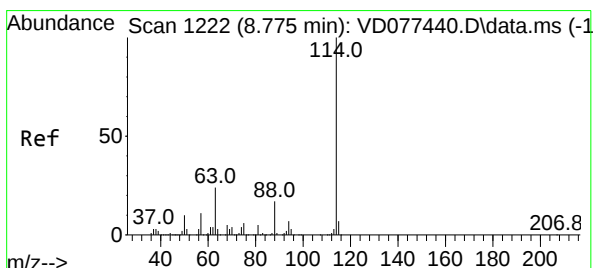
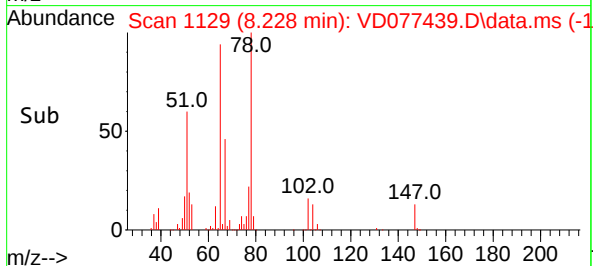
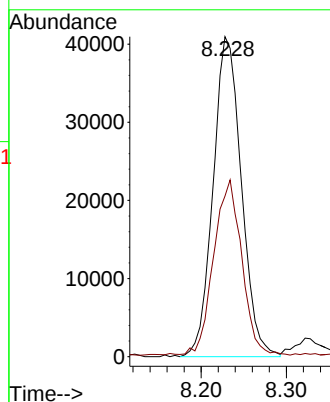
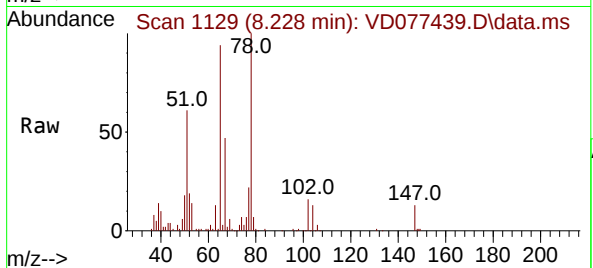
67 54.3 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

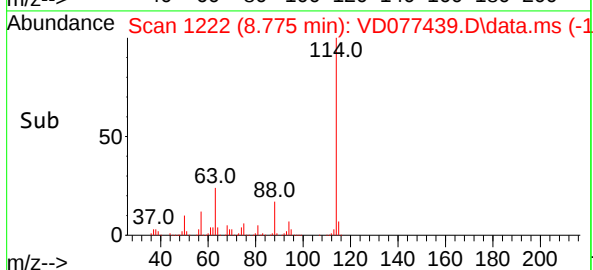
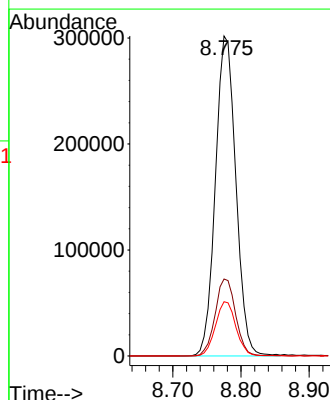
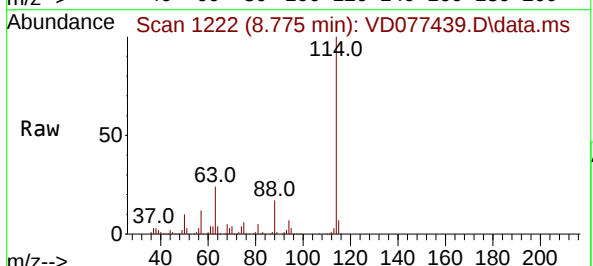
Tgt Ion:114 Resp: 630564

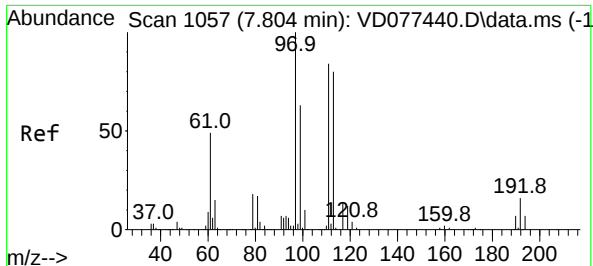
Ion Ratio Lower Upper

114 100

63 24.1 0.0 33.4

88 16.9 0.0 26.2





#35

Dibromofluoromethane

Concen: 19.088 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 113 Resp: 8319

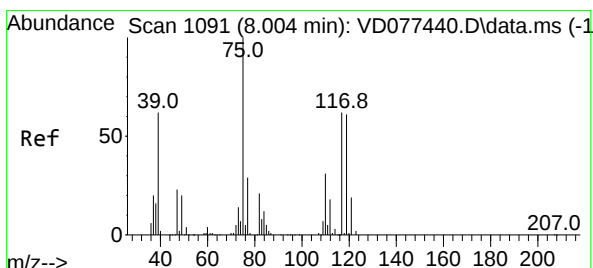
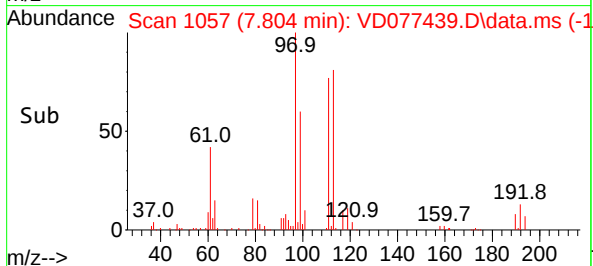
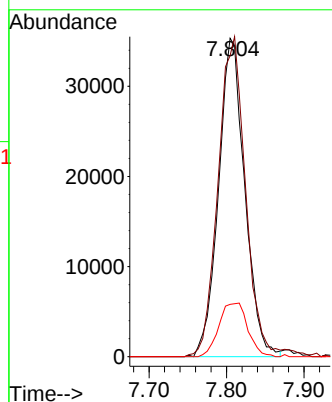
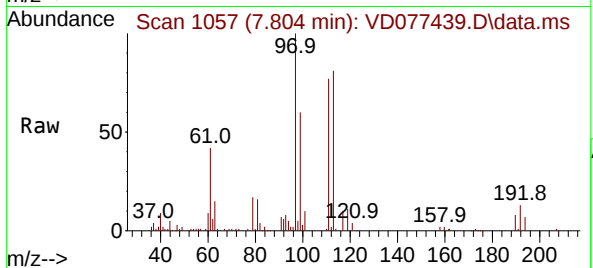
Ion	Ratio	Lower	Upper
113	100		
111	106.1	84.7	127.1
192	18.4	16.8	25.2

Manual Integrations

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Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#36

1,1-Dichloropropene

Concen: 18.152 ug/l

RT: 8.004 min Scan# 1091

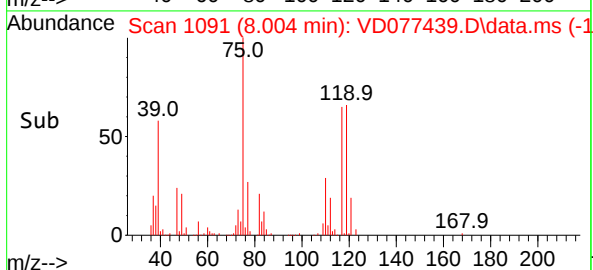
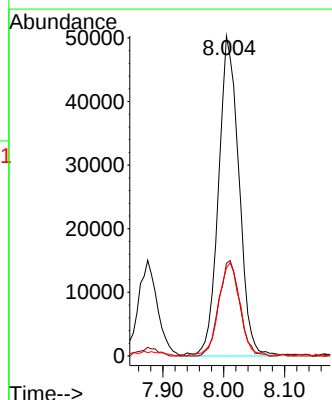
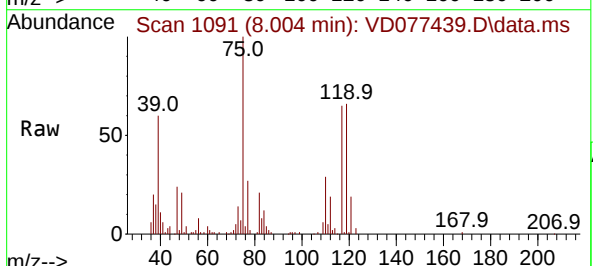
Delta R.T. 0.000 min

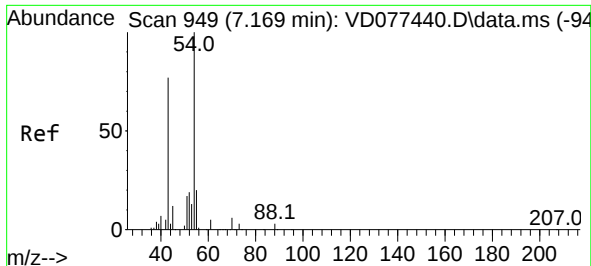
Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Tgt Ion: 75 Resp: 117291

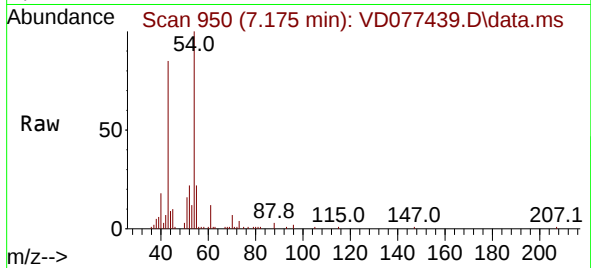
Ion	Ratio	Lower	Upper
75	100		
110	30.5	19.9	59.6
77	30.7	24.7	37.1





#37
Ethyl Acetate
Concen: 18.621 ug/l
RT: 7.175 min Scan# 949
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

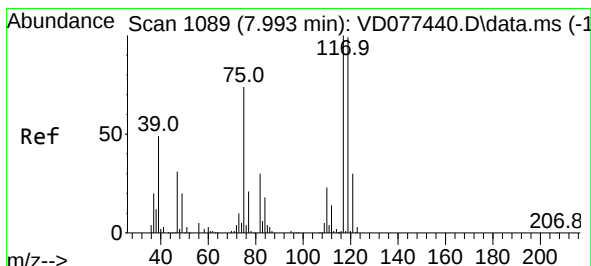
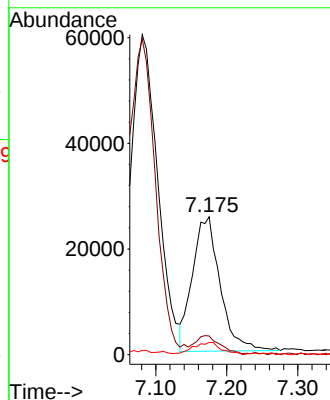
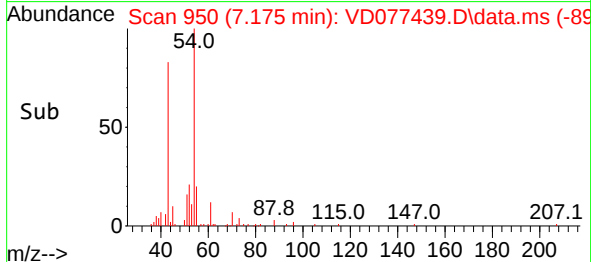
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 69052
Ion Ratio Lower Upper
43 100
61 11.5 14.9 22.3
70 8.3 10.0 15.0

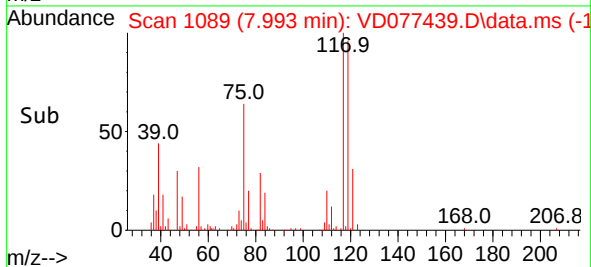
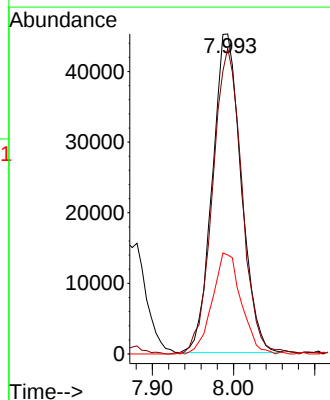
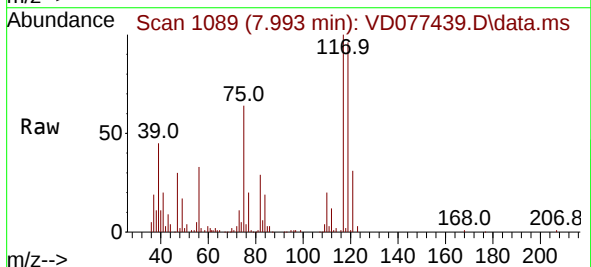
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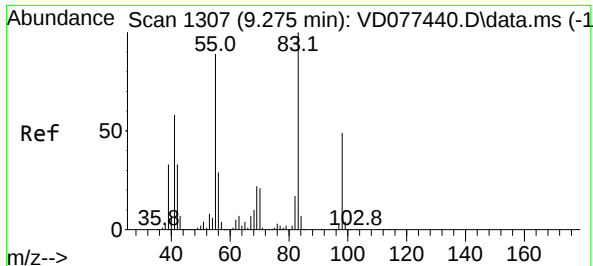
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#38
Carbon Tetrachloride
Concen: 18.314 ug/l
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion:117 Resp: 111518
Ion Ratio Lower Upper
117 100
119 96.0 78.0 117.0
121 30.6 24.2 36.2





#39

Methylcyclohexane

Concen: 17.645 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

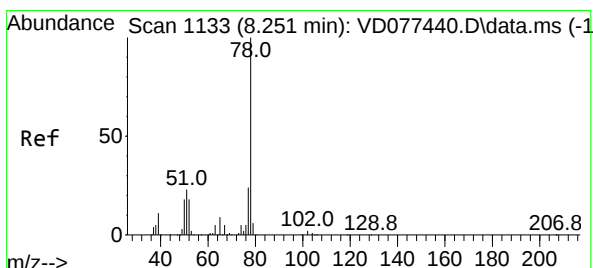
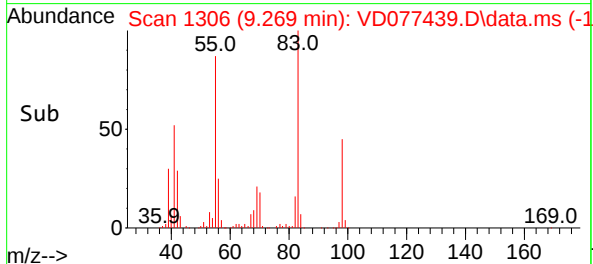
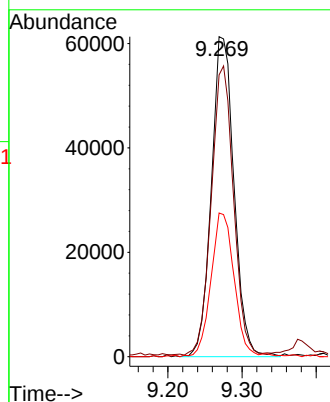
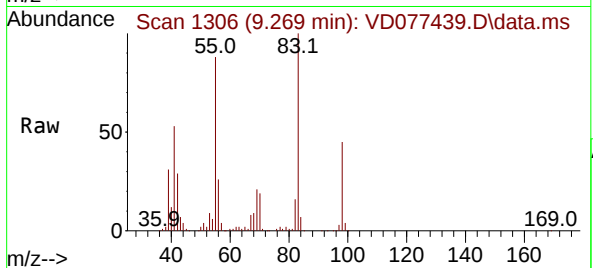
Tgt Ion:	83	Resp:	130095
Ion	Ratio	Lower	Upper
83	100		
55	87.2	49.4	74.0
98	44.9	38.4	57.6

Manual Integrations

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Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#40

Benzene

Concen: 18.158 ug/l

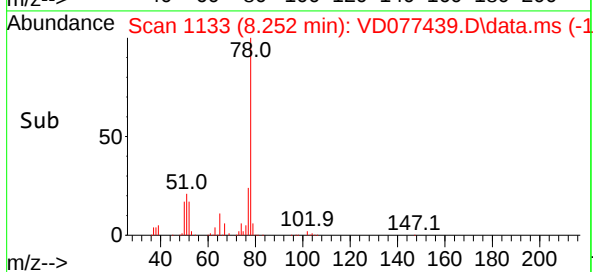
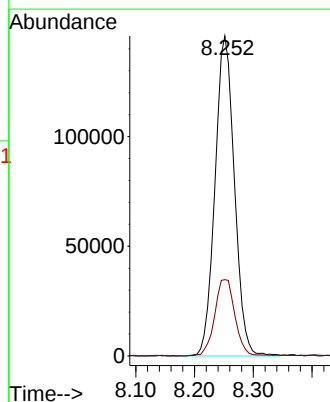
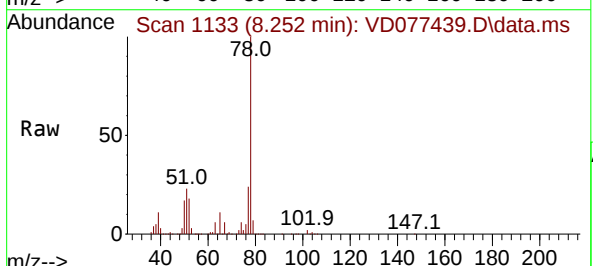
RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Tgt Ion:	78	Resp:	334576
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





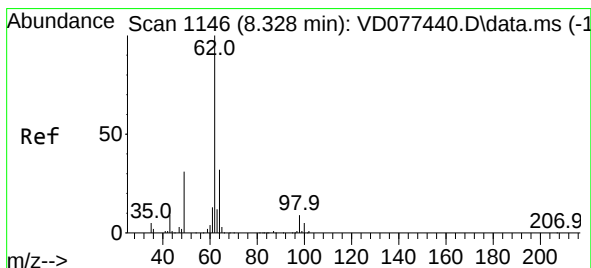
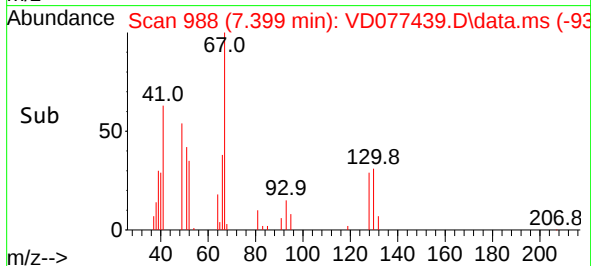
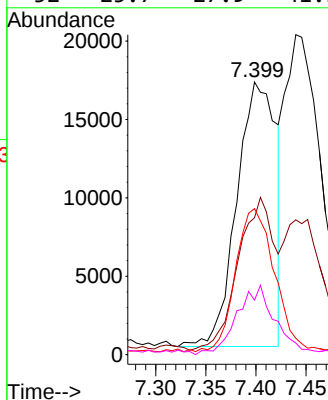
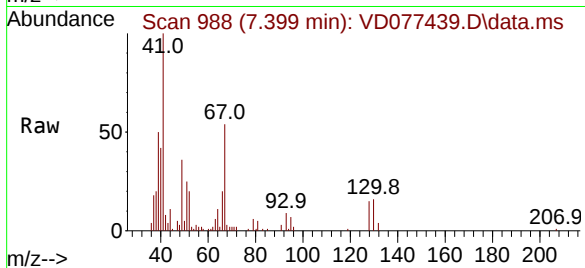
#41
Methacrylonitrile
Concen: 19.284 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 4575
Ion Ratio Lower Upper
41 100
39 53.1 34.0 51.0
67 54.2 77.0 115.4
52 25.7 27.9 41.9#

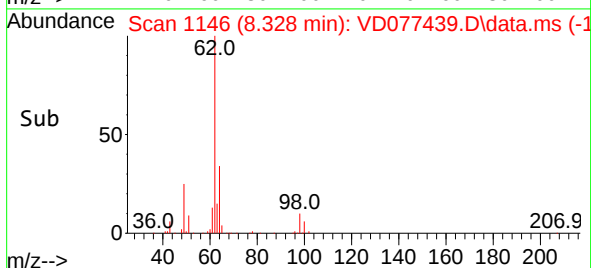
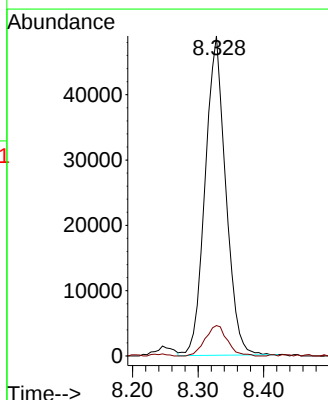
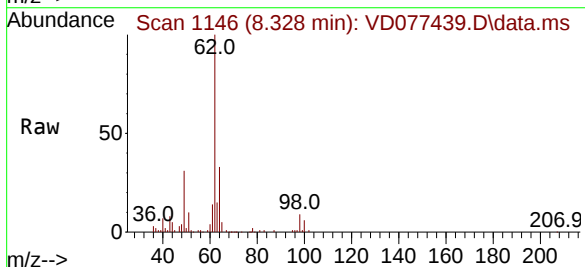
Manual Integrations
APPROVED

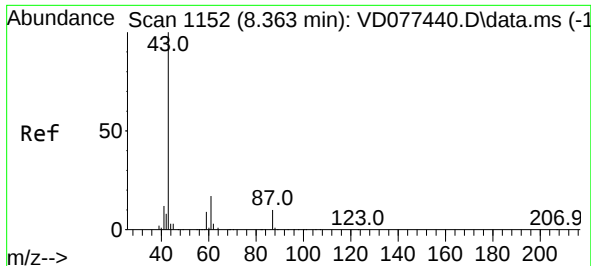
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#42
1,2-Dichloroethane
Concen: 18.261 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

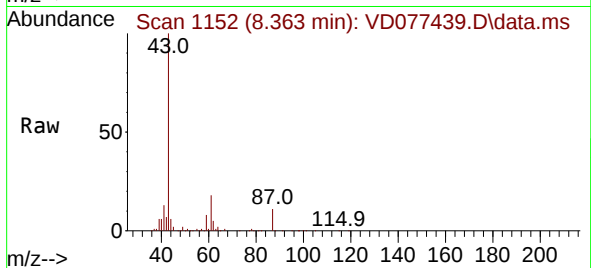
Tgt Ion: 62 Resp: 106573
Ion Ratio Lower Upper
62 100
98 10.3 0.0 25.4





#43
Isopropyl Acetate
Concen: 18.338 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

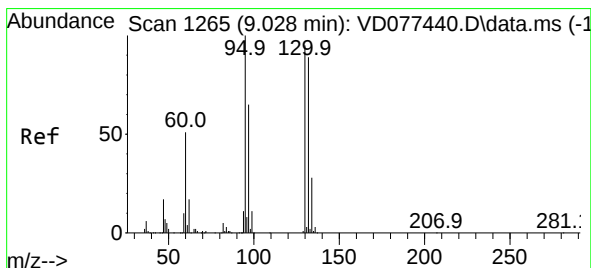
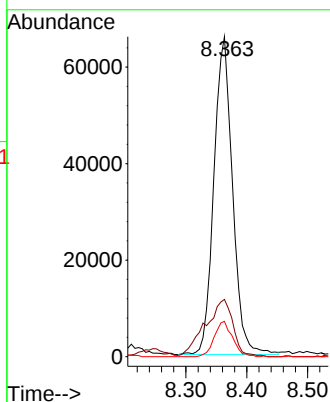
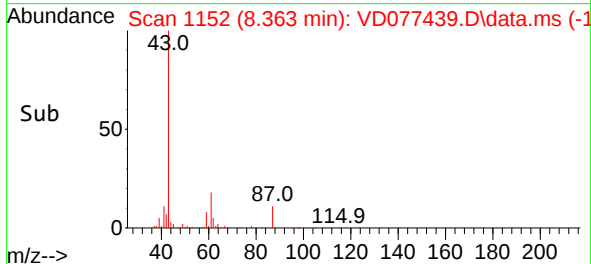
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



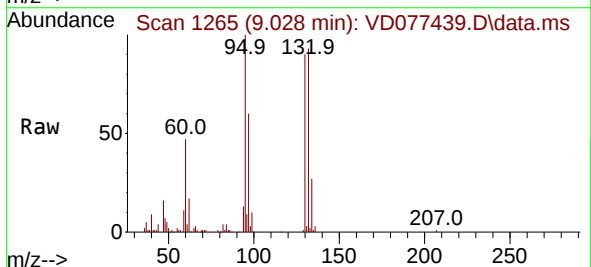
Tgt Ion: 43 Resp: 14033
Ion Ratio Lower Upper
43 100
61 26.8 31.4 47.0
87 10.9 14.9 22.3

Manual Integrations
APPROVED

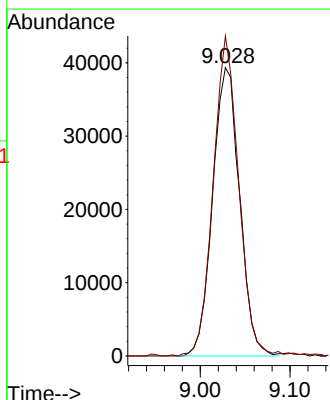
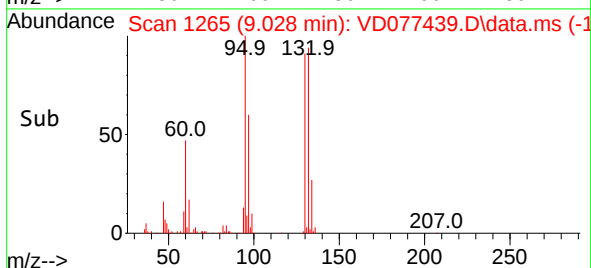
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#44
Trichloroethene
Concen: 18.199 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



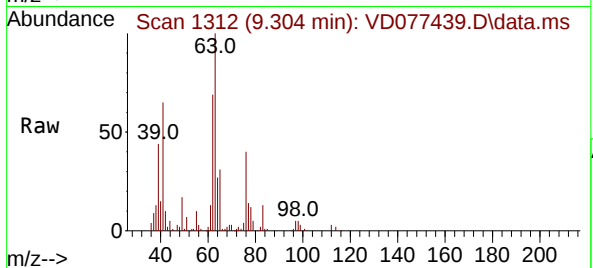
Tgt Ion:130 Resp: 82142
Ion Ratio Lower Upper
130 100
95 111.0 0.0 179.2





#45
1,2-Dichloropropane
Concen: 18.560 ug/l
RT: 9.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

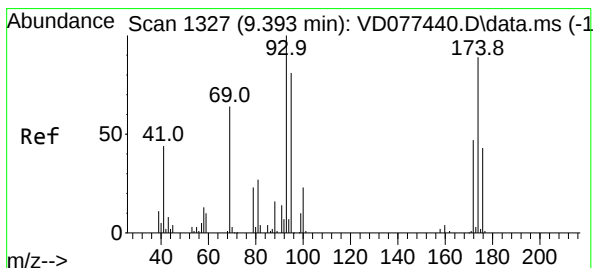
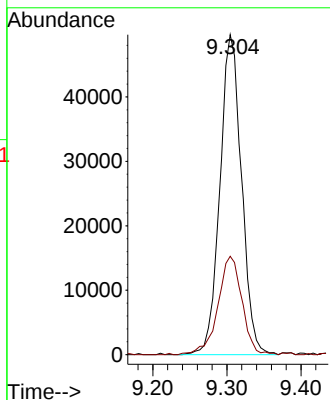
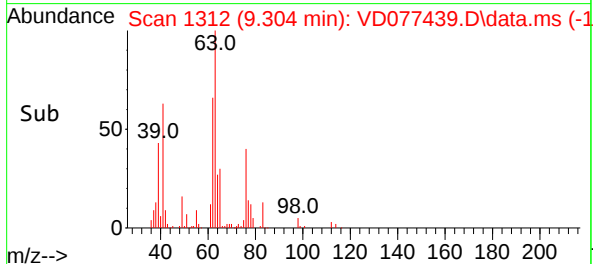
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion: 63 Resp: 100680
Ion Ratio Lower Upper
63 100
65 30.8 24.5 36.7

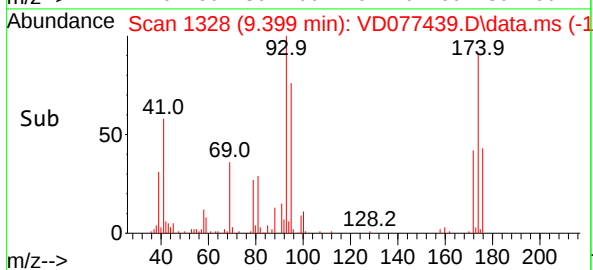
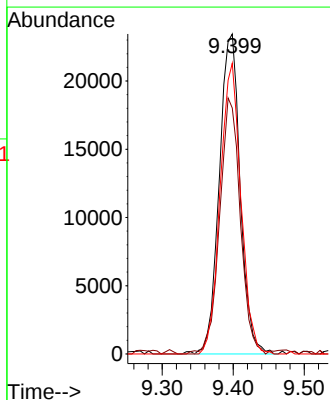
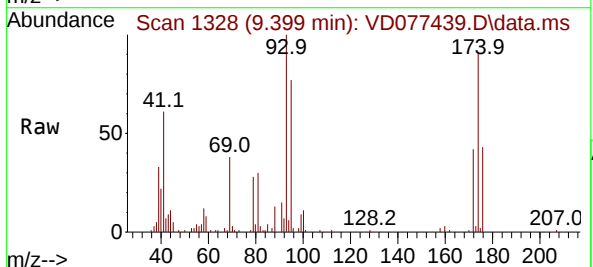
Manual Integrations
APPROVED

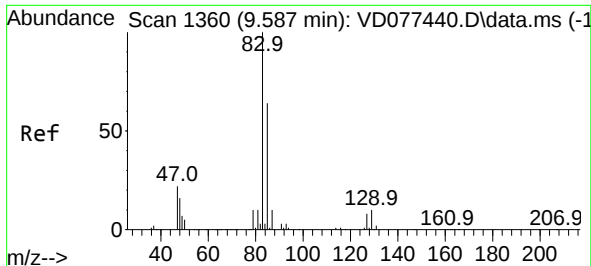
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#46
Dibromomethane
Concen: 18.317 ug/l
RT: 9.399 min Scan# 1328
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

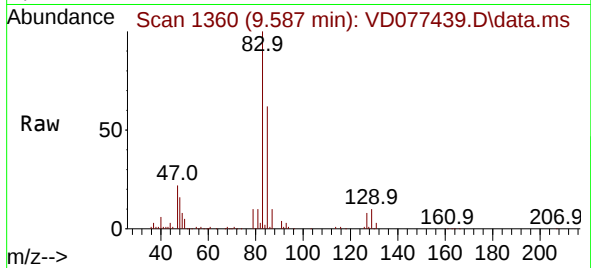
Tgt Ion: 93 Resp: 47817
Ion Ratio Lower Upper
93 100
95 78.8 67.7 101.5
174 90.2 85.4 128.2





#47
Bromodichloromethane
Concen: 18.772 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

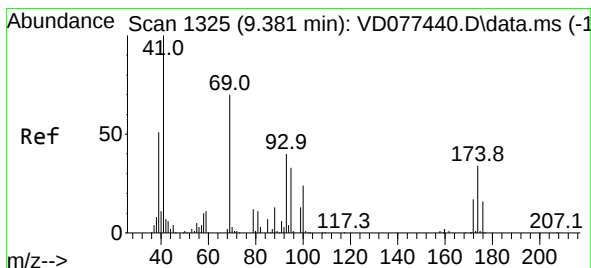
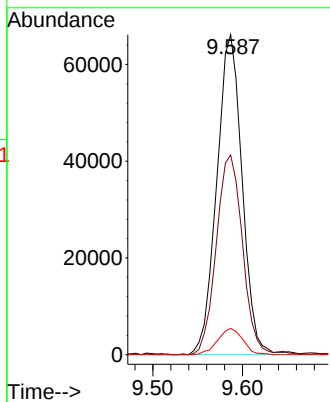
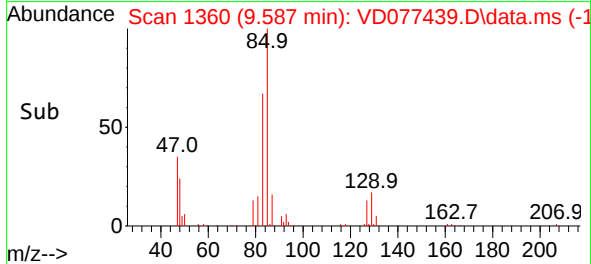
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



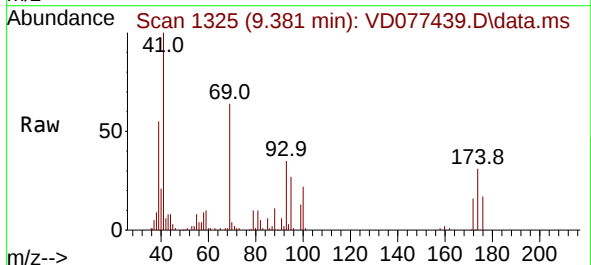
Tgt Ion: 83 Resp: 12953
Ion Ratio Lower Upper
83 100
85 62.4 50.2 75.4
127 8.2 6.3 9.5

Manual Integrations
APPROVED

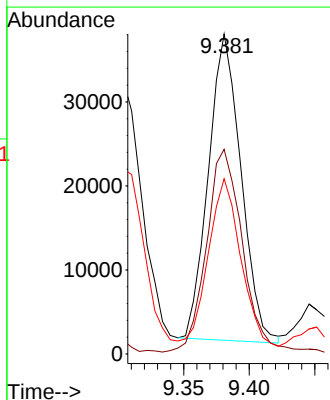
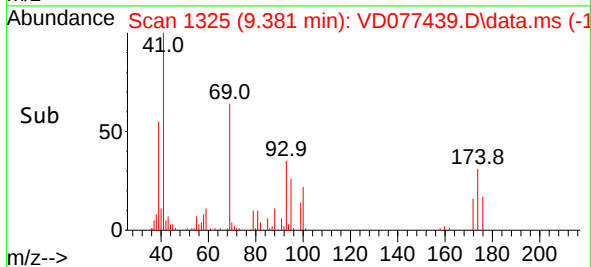
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

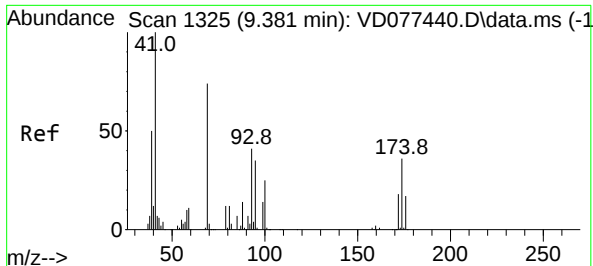


#48
Methyl methacrylate
Concen: 17.221 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



Tgt Ion: 41 Resp: 62906
Ion Ratio Lower Upper
41 100
69 73.3 102.2 153.2#
39 57.7 41.4 62.2





#49

1,4-Dioxane

Concen: 372.101 ug/l

RT: 9.387 min Scan# 1325

Delta R.T. 0.006 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC020

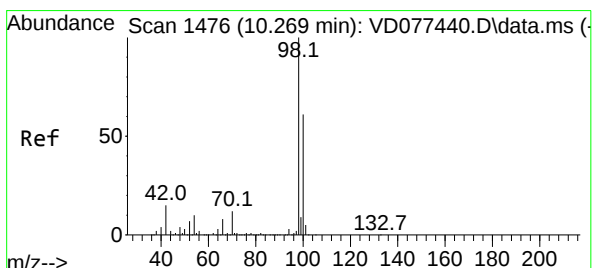
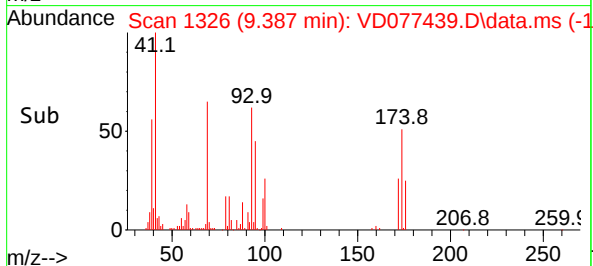
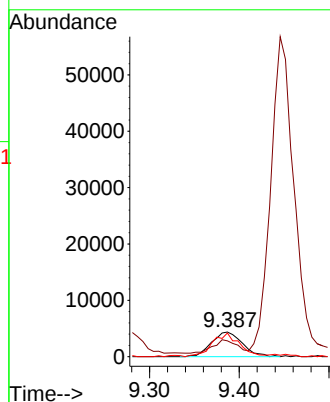
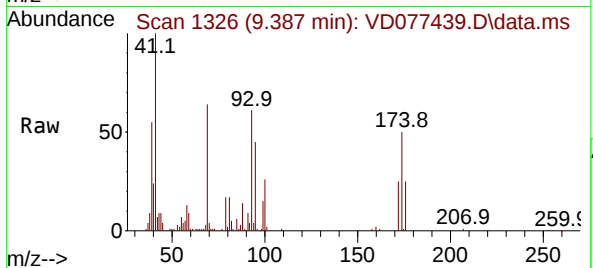
Tgt Ion: 88 Resp: 10438
 Ion Ratio Lower Upper
 88 100
 43 41.8 19.0 28.6
 58 84.2 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/31/2023

Supervised By :Mahesh Dadoda 10/31/2023



#50

Toluene-d8

Concen: 19.318 ug/l

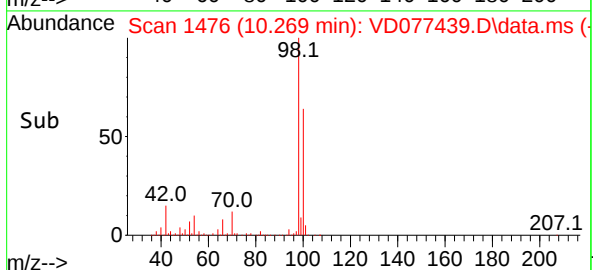
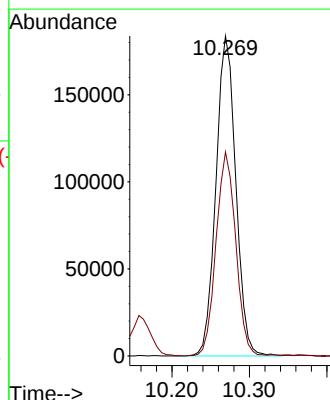
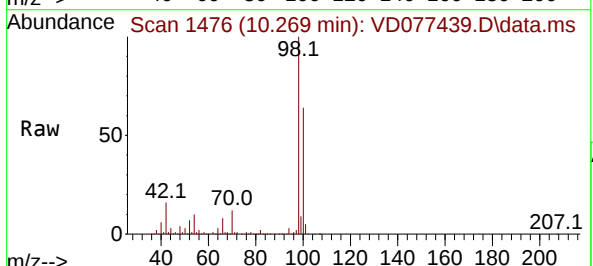
RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077439.D

Acq: 30 Oct 2023 10:41

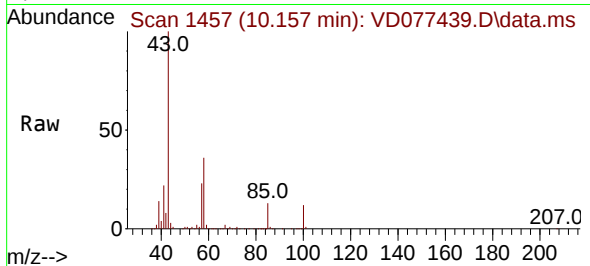
Tgt Ion: 98 Resp: 327020
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.3 75.5





#51
4-Methyl-2-Pentanone
Concen: 91.219 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

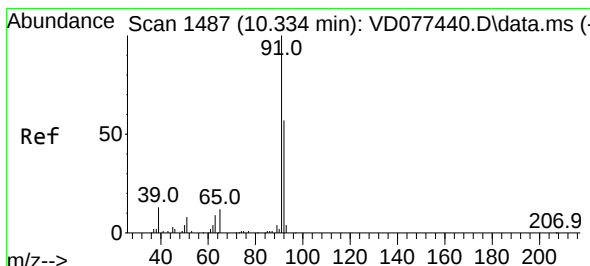
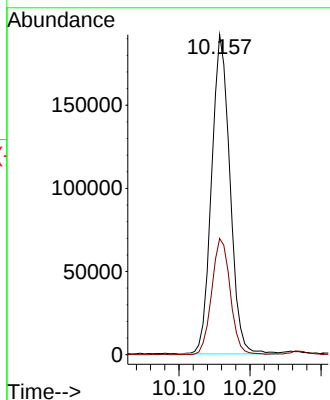
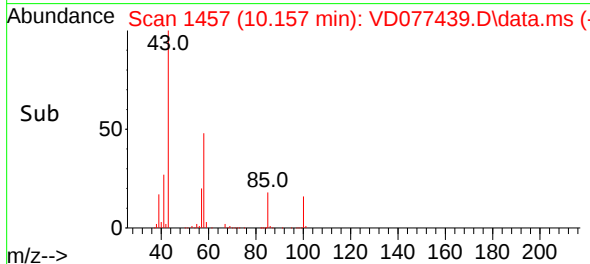
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



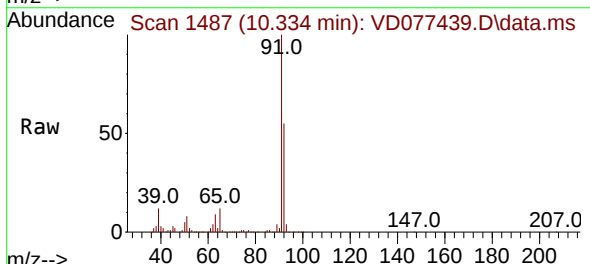
Tgt Ion: 43 Resp: 343594
Ion Ratio Lower Upper
43 100
58 36.8 38.9 58.3

Manual Integrations
APPROVED

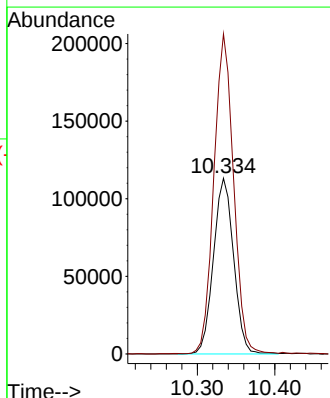
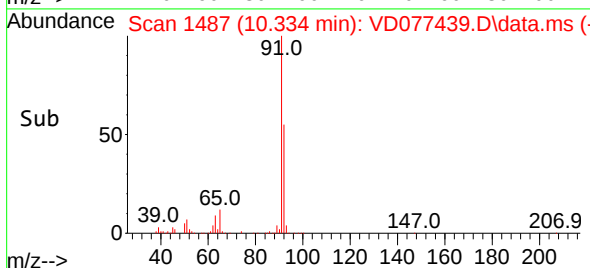
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

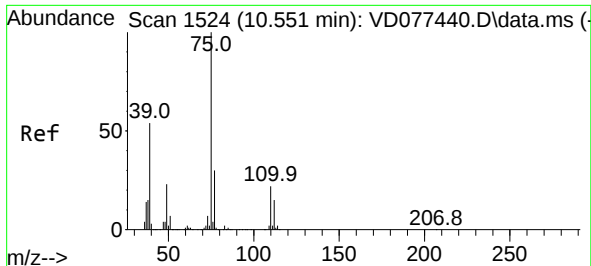


#52
Toluene
Concen: 18.276 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



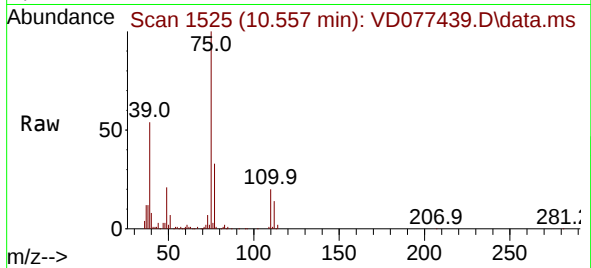
Tgt Ion: 92 Resp: 205291
Ion Ratio Lower Upper
92 100
91 177.0 143.0 214.4





#53
t-1,3-Dichloropropene
Concen: 18.582 ug/l
RT: 10.557 min Scan# 1525
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

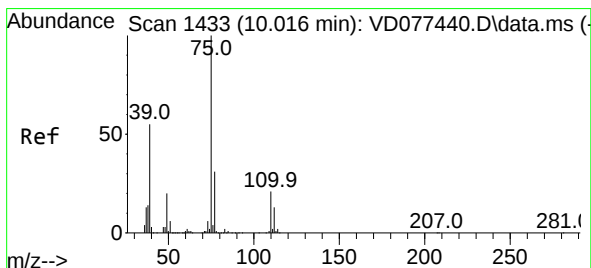
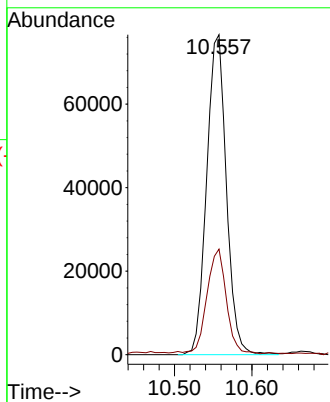
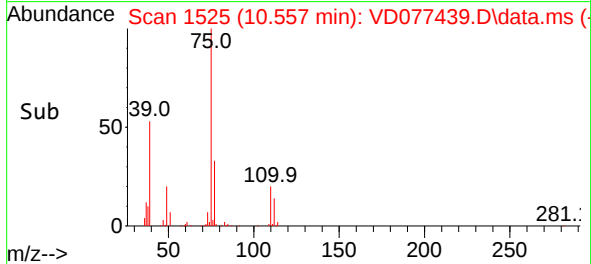
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 13577
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9

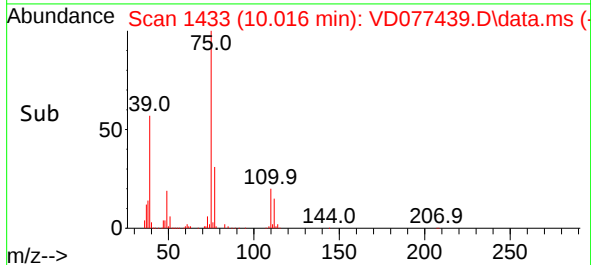
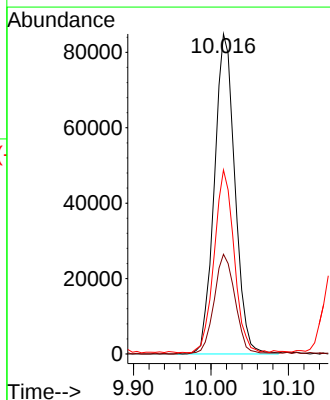
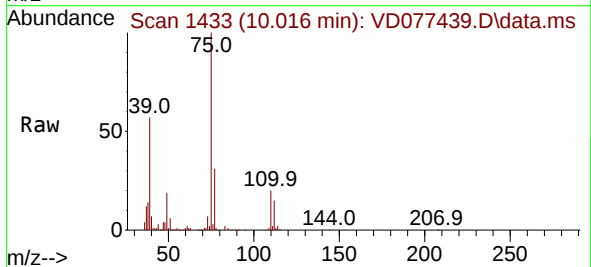
Manual Integrations
APPROVED

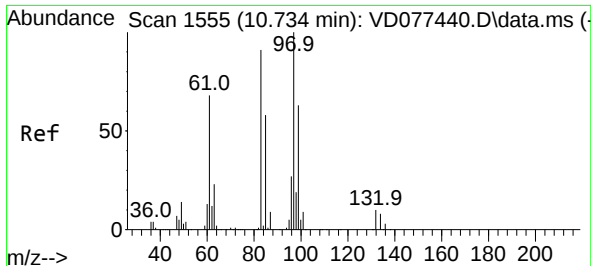
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#54
cis-1,3-Dichloropropene
Concen: 18.631 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

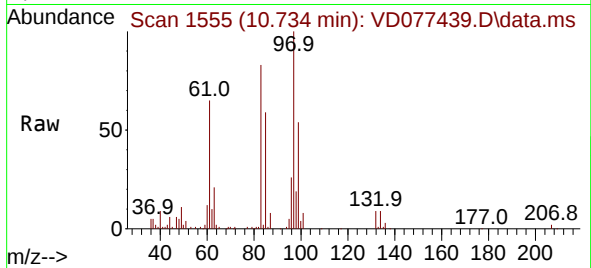
Tgt Ion: 75 Resp: 156653
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3
39 57.1 22.1 33.1#





#55
1,1,2-Trichloroethane
Concen: 18.709 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

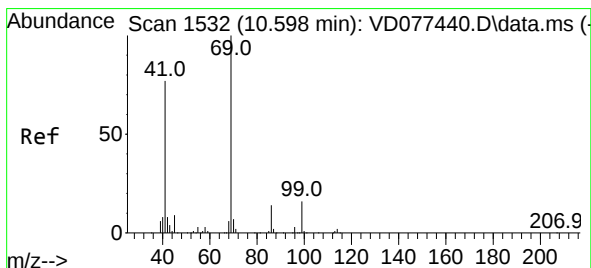
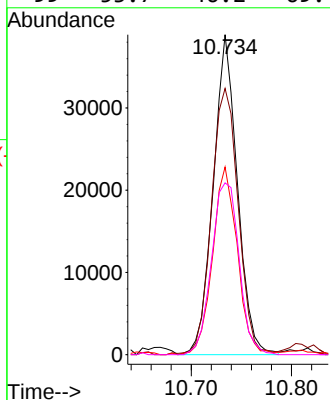
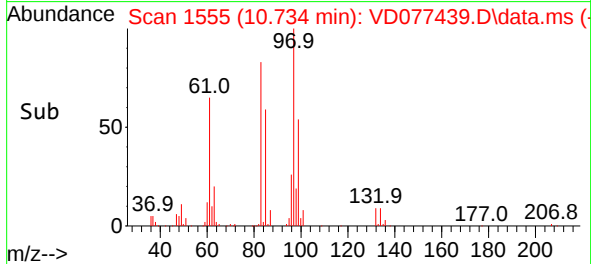
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.8	98.6
85	58.7	45.7	68.5
99	53.7	46.2	69.4

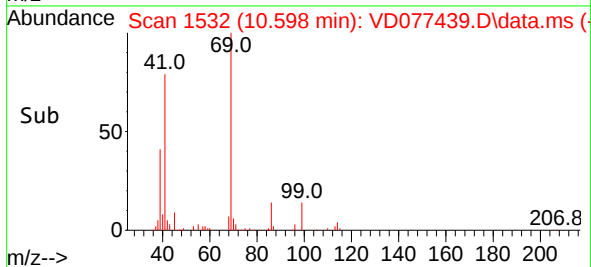
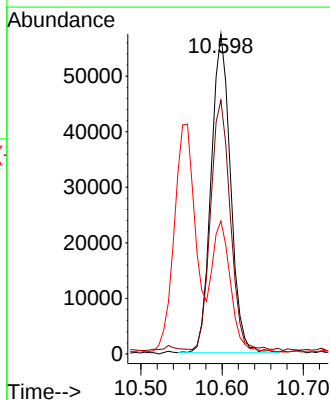
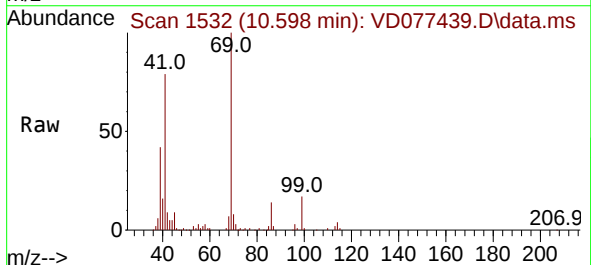
Manual Integrations
APPROVED

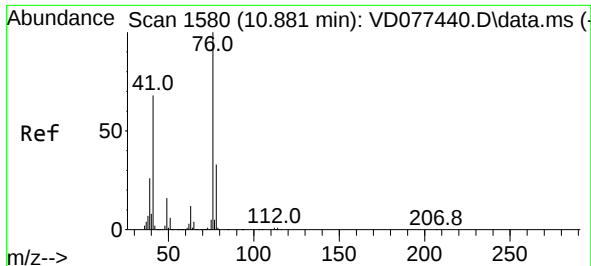
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#56
Ethyl methacrylate
Concen: 18.407 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

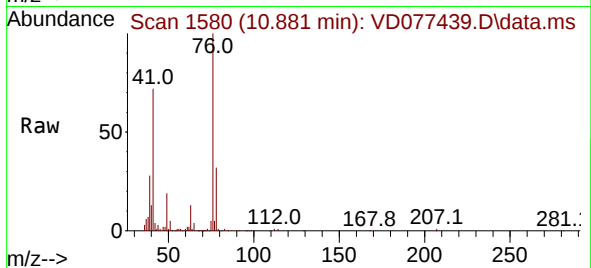
Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.0	39.1	58.7#
39	38.4	20.0	30.0#





#57
1,3-Dichloropropane
Concen: 18.494 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

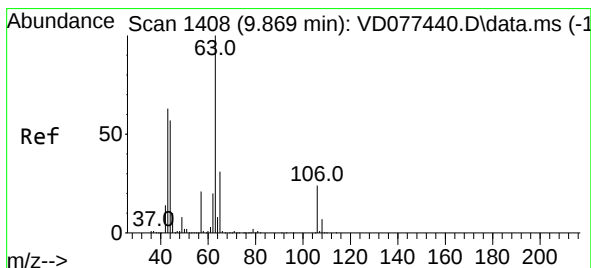
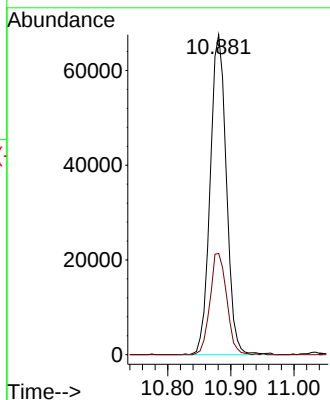
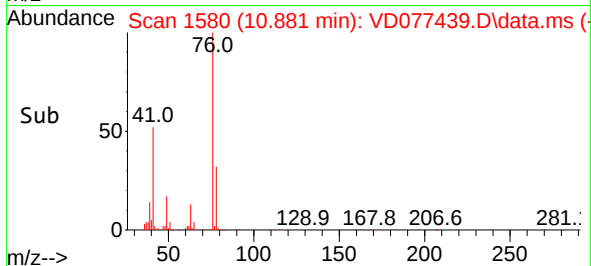
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 120397
Ion Ratio Lower Upper
76 100
78 32.6 26.4 39.6

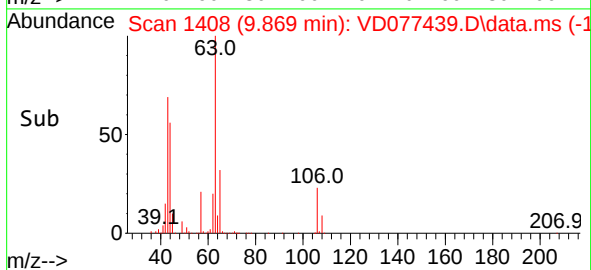
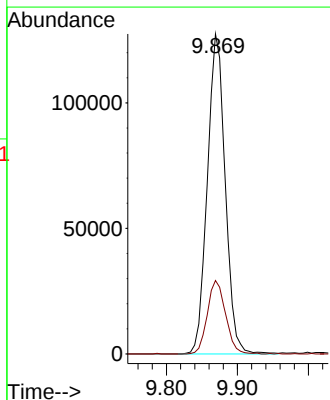
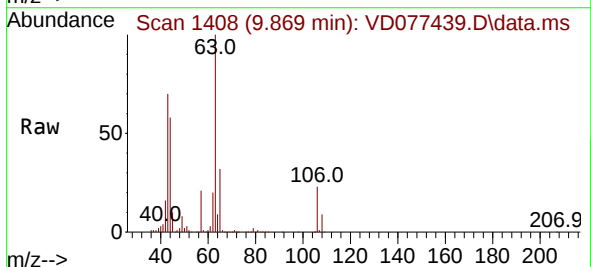
Manual Integrations
APPROVED

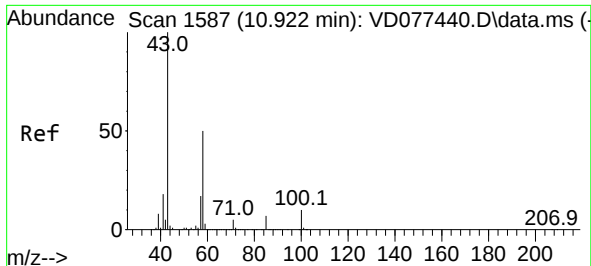
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#58
2-Chloroethyl Vinyl ether
Concen: 86.086 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

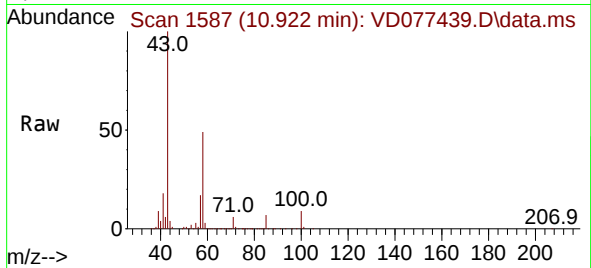
Tgt Ion: 63 Resp: 223181
Ion Ratio Lower Upper
63 100
106 23.3 25.3 37.9#





#59
2-Hexanone
Concen: 94.625 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

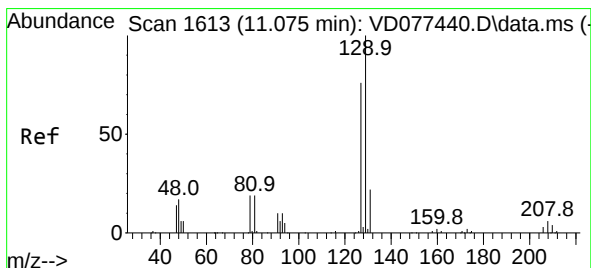
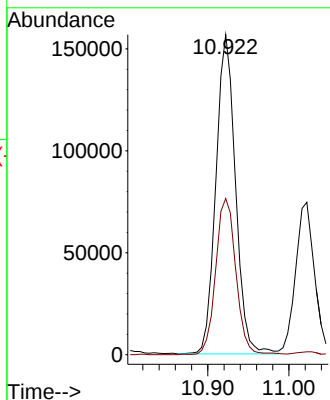
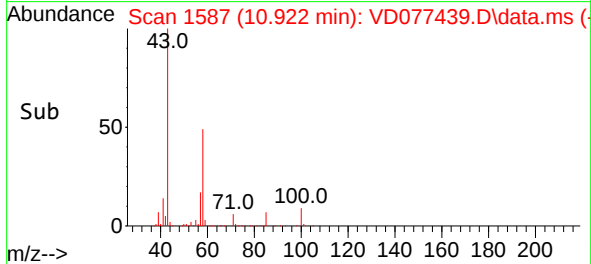
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 262560
Ion Ratio Lower Upper
43 100
58 50.6 34.1 102.2

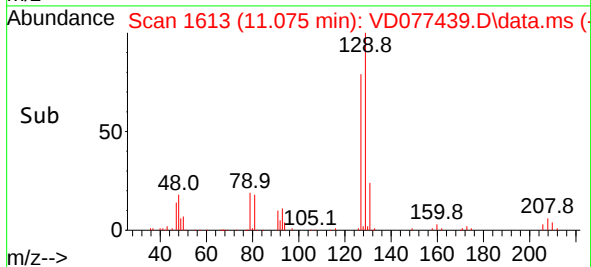
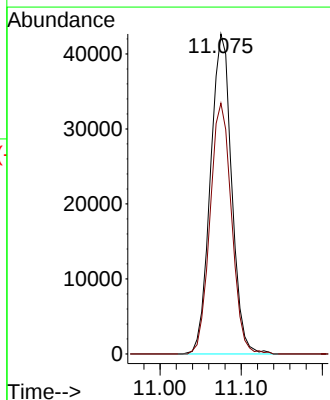
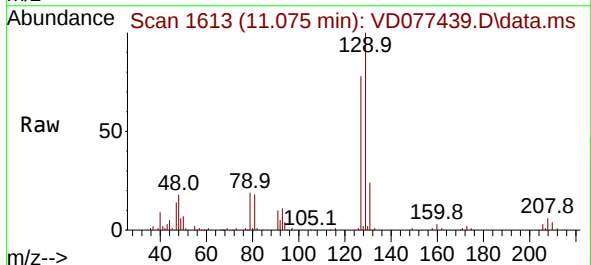
Manual Integrations
APPROVED

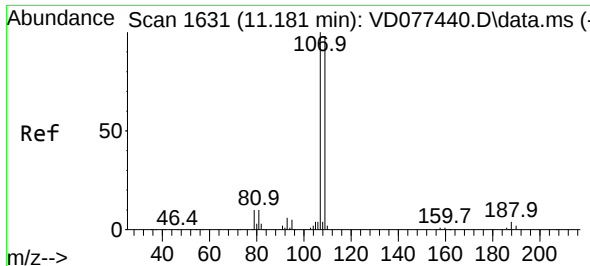
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#60
Dibromochloromethane
Concen: 18.506 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

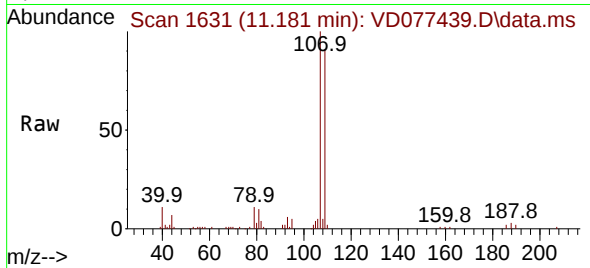
Tgt Ion:129 Resp: 77507
Ion Ratio Lower Upper
129 100
127 79.3 37.1 111.5





#61
1,2-Dibromoethane
Concen: 18.100 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

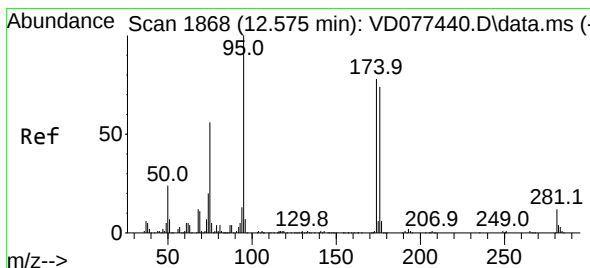
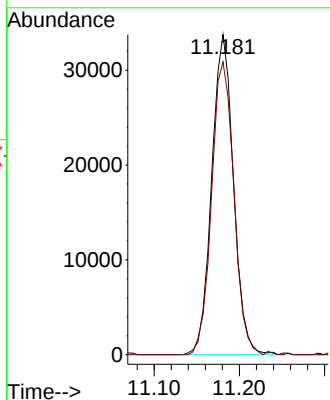
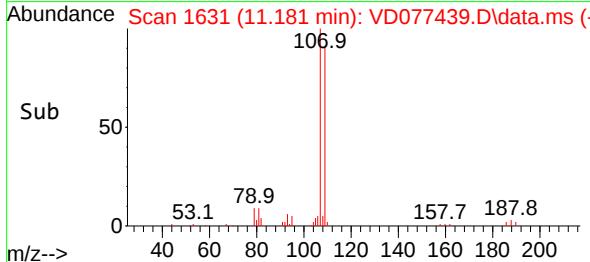
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



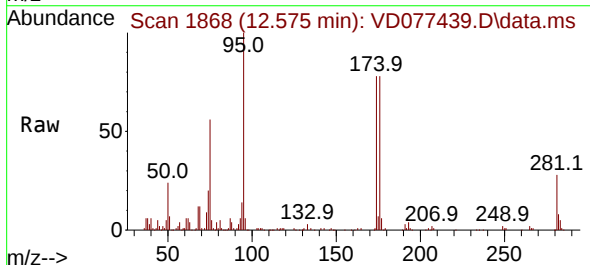
Tgt Ion:107 Resp: 5969
Ion Ratio Lower Upper
107 100
109 93.8 75.6 113.4

Manual Integrations
APPROVED

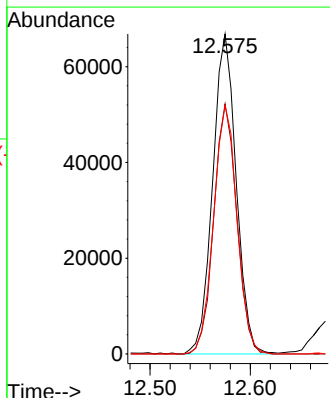
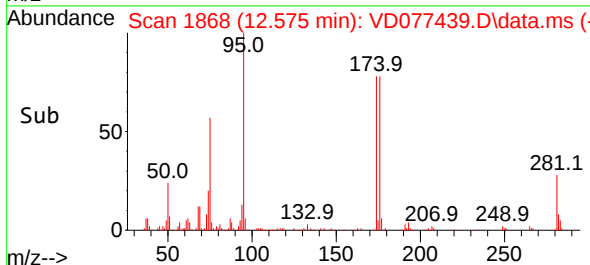
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

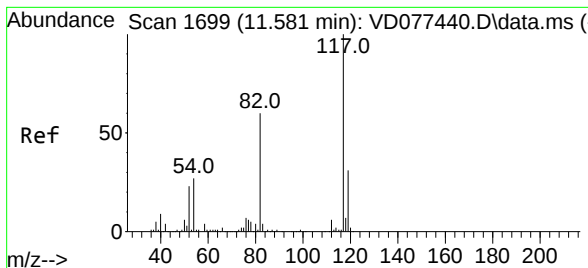


#62
4-Bromofluorobenzene
Concen: 19.063 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



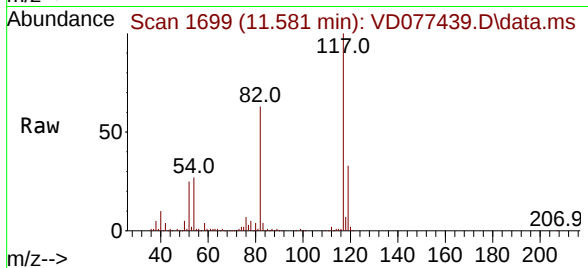
Tgt Ion: 95 Resp: 108691
Ion Ratio Lower Upper
95 100
174 76.6 0.0 201.8
176 77.2 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

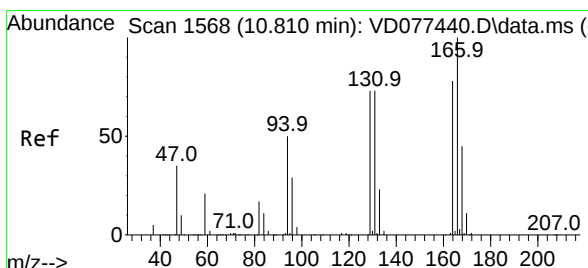
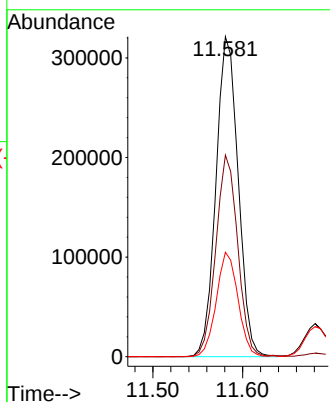
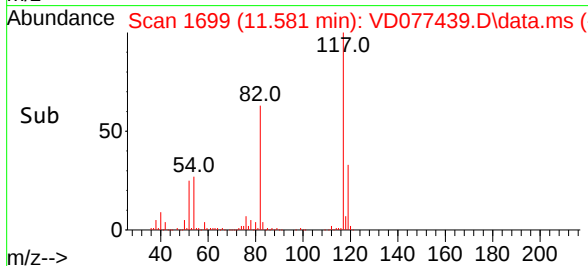
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



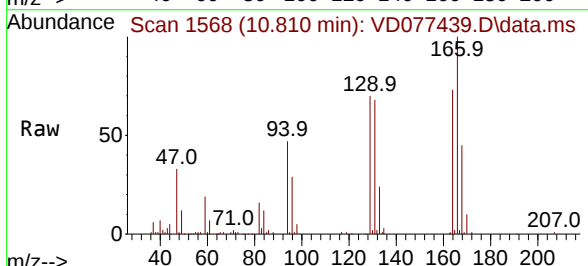
Tgt Ion:117 Resp: 55350
Ion Ratio Lower Upper
117 100
82 62.9 38.3 57.5
119 32.6 25.0 37.4

Manual Integrations
APPROVED

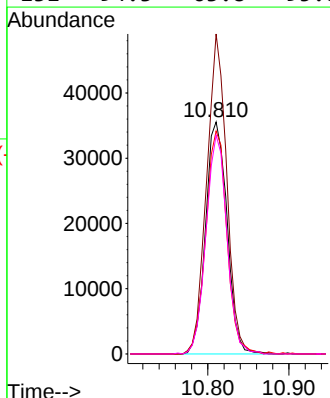
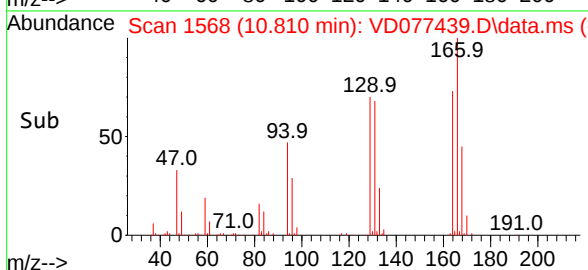
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

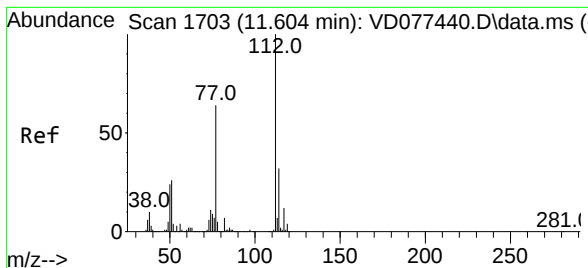


#64
Tetrachloroethene
Concen: 18.547 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



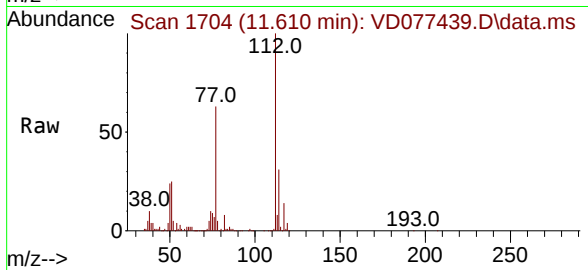
Tgt Ion:164 Resp: 65358
Ion Ratio Lower Upper
164 100
166 137.9 99.2 148.8
129 96.1 68.4 102.6
131 94.3 63.8 95.8





#65
Chlorobenzene
Concen: 18.928 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

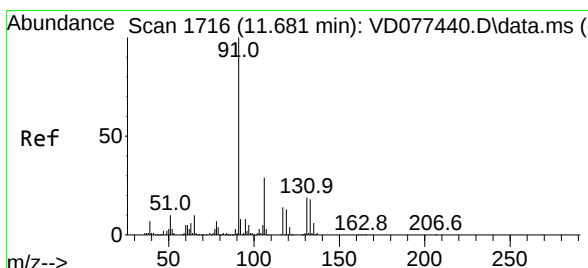
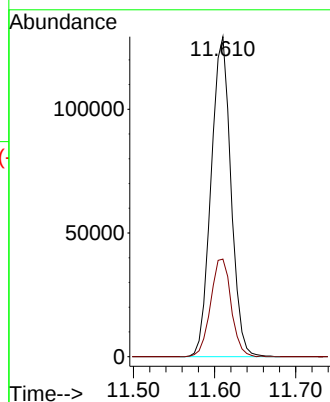
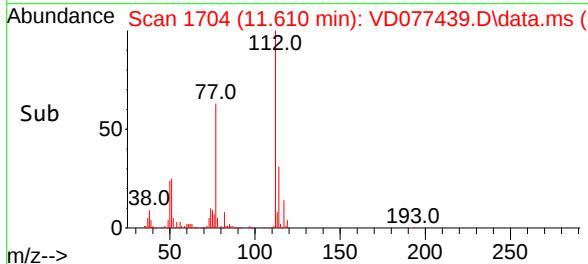
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 21948
Ion Ratio Lower Upper
112 100
114 30.5 25.1 37.7

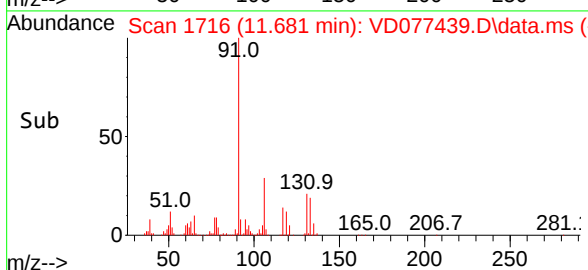
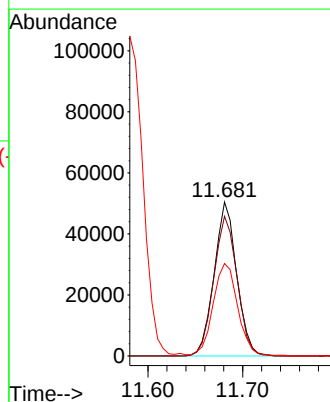
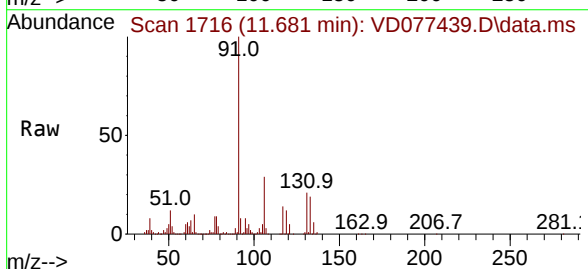
Manual Integrations
APPROVED

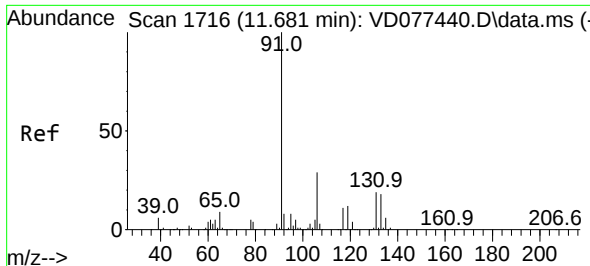
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 18.995 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion:131 Resp: 83237
Ion Ratio Lower Upper
131 100
133 94.5 48.5 145.5
119 65.6 35.6 106.9





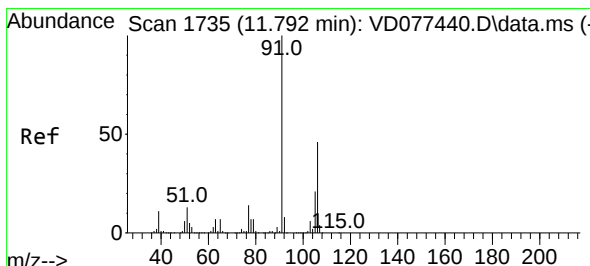
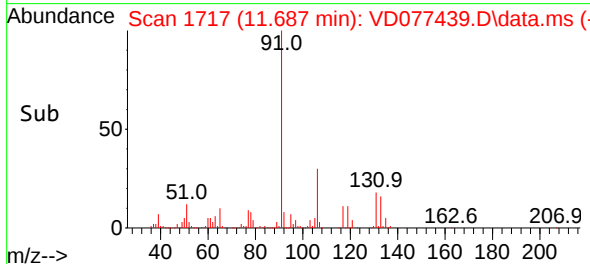
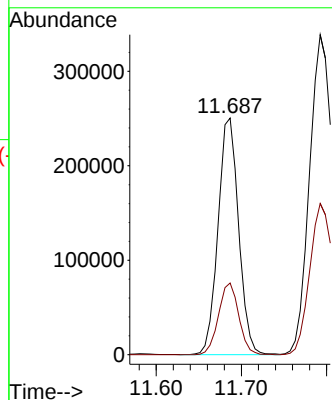
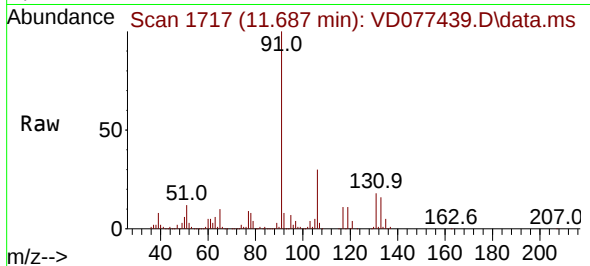
#67
Ethyl Benzene
Concen: 18.866 ug/l
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 42093
Ion Ratio Lower Upper
91 100
106 30.3 26.5 39.7

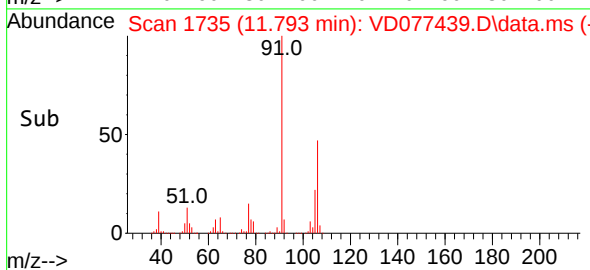
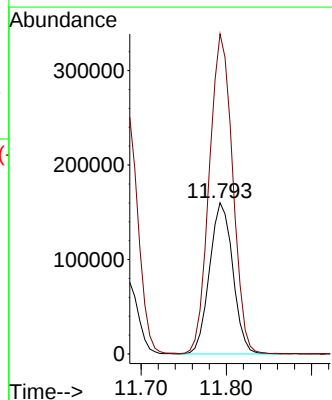
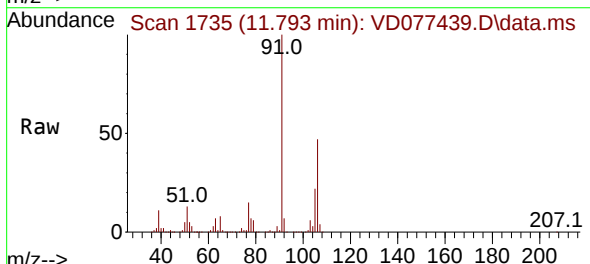
Manual Integrations
APPROVED

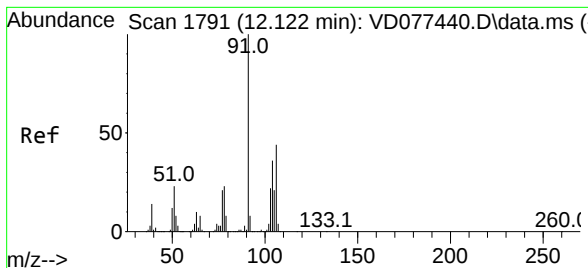
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#68
m/p-Xylenes
Concen: 37.700 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

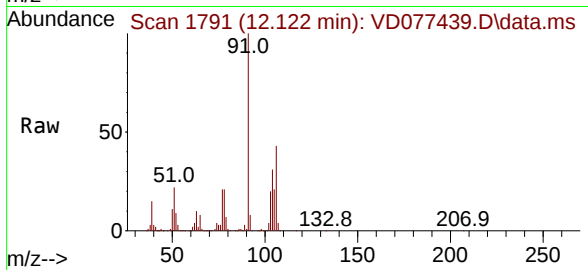
Tgt Ion:106 Resp: 303750
Ion Ratio Lower Upper
106 100
91 212.8 147.0 220.6





#69
o-Xylene
Concen: 19.170 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

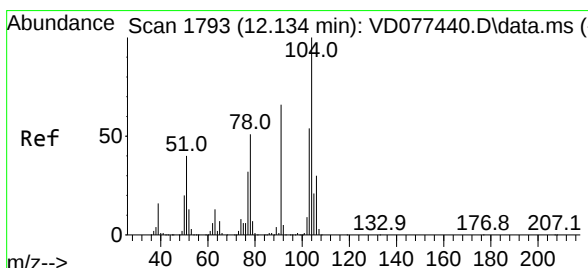
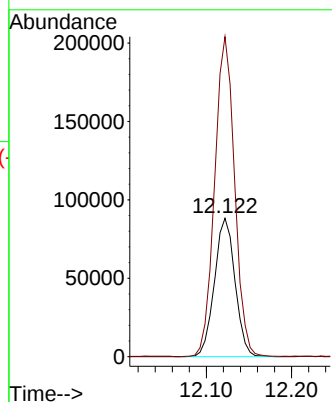
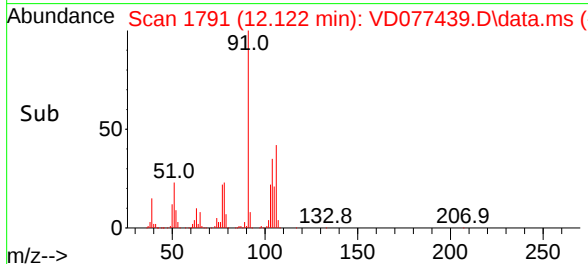
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



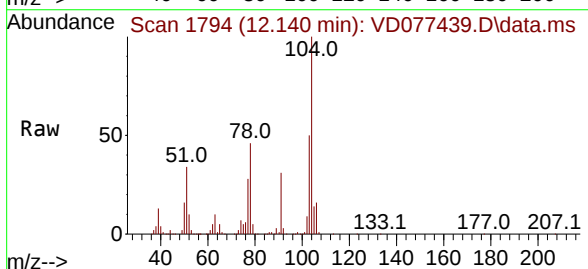
Tgt Ion:106 Resp: 147940
Ion Ratio Lower Upper
106 100
91 224.9 97.9 293.6

Manual Integrations
APPROVED

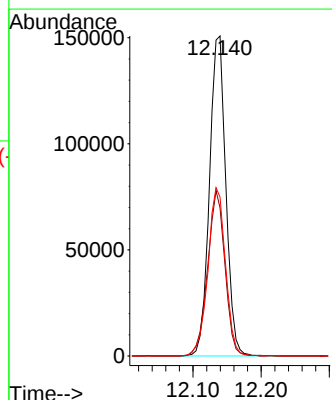
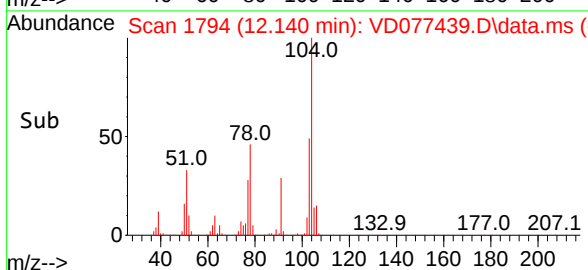
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

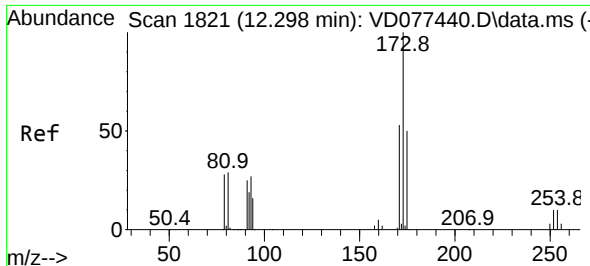


#70
Styrene
Concen: 18.933 ug/l
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



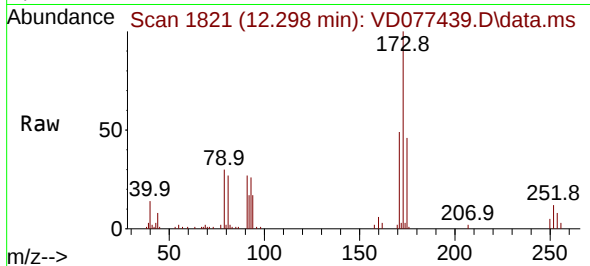
Tgt Ion:104 Resp: 252072
Ion Ratio Lower Upper
104 100
78 54.6 33.2 49.8#
103 56.3 43.6 65.4





#71
Bromoform
Concen: 18.792 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

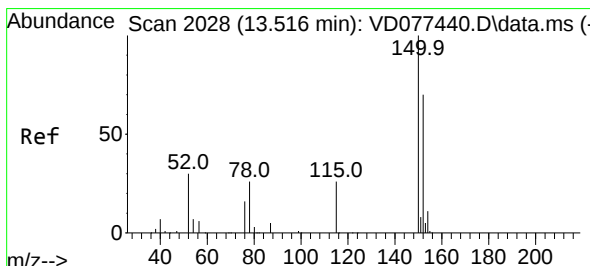
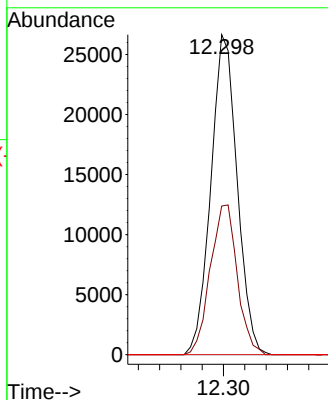
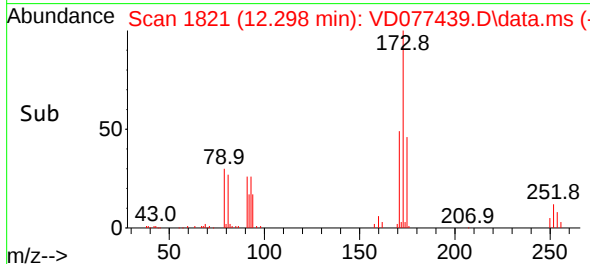
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



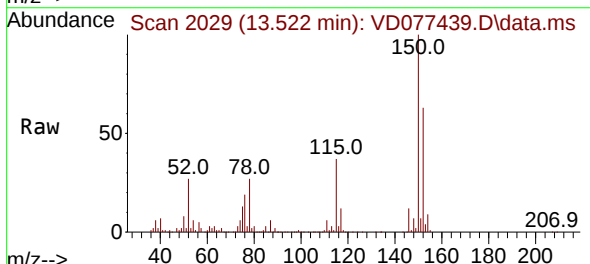
Tgt Ion:173 Resp: 45652
Ion Ratio Lower Upper
173 100
175 47.9 24.6 73.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

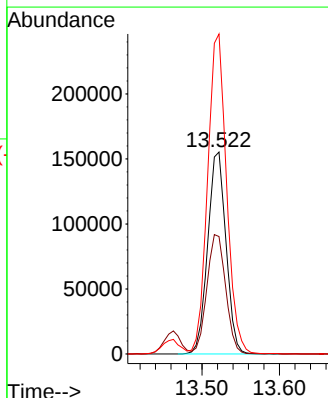
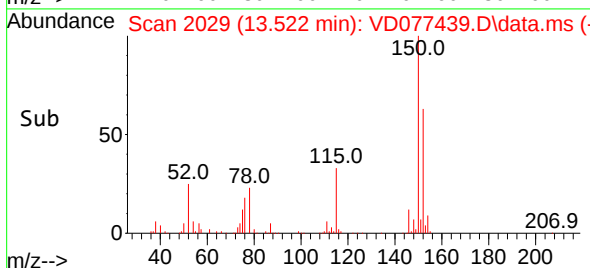
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

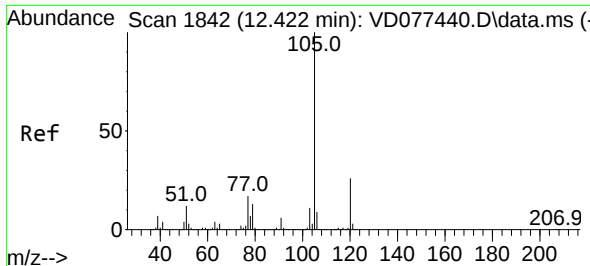


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



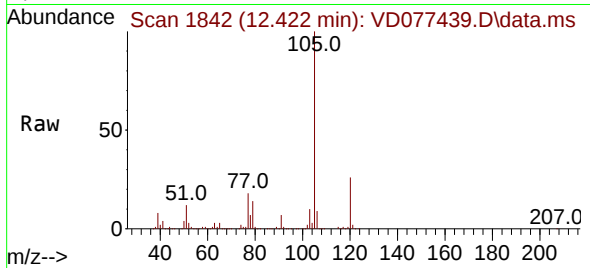
Tgt Ion:152 Resp: 254156
Ion Ratio Lower Upper
152 100
115 60.8 27.1 81.3
150 164.8 0.0 353.6





#73
Isopropylbenzene
Concen: 19.090 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

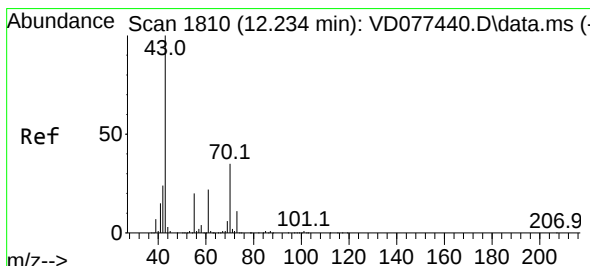
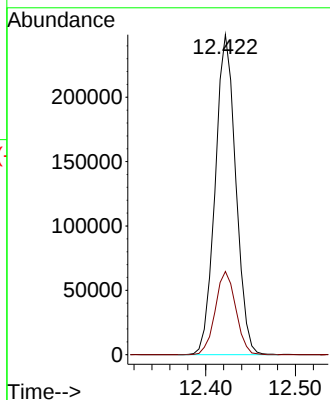
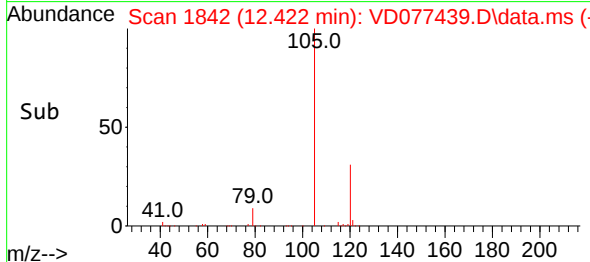
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



Tgt Ion:105 Resp: 39557
Ion Ratio Lower Upper
105 100
120 25.9 14.3 42.9

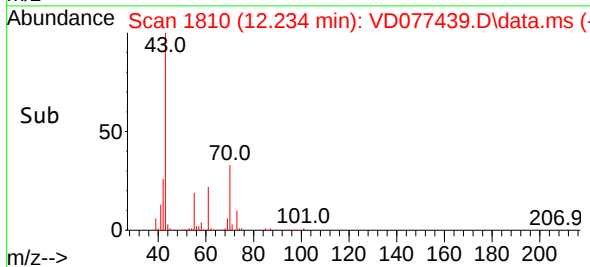
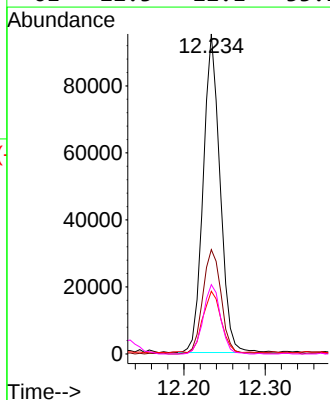
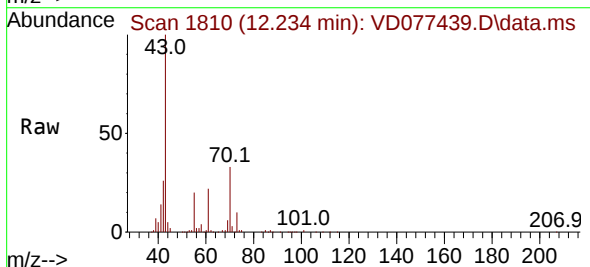
Manual Integrations
APPROVED

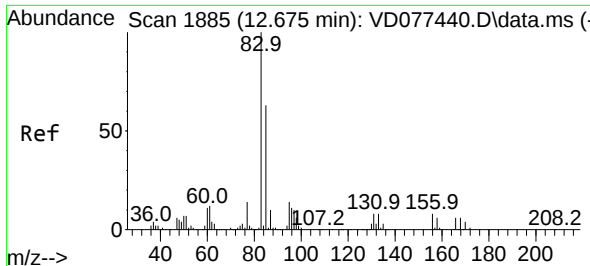
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#74
N-ethyl acetate
Concen: 18.695 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

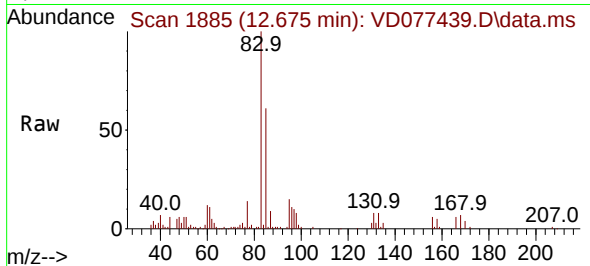
Tgt Ion: 43 Resp: 137214
Ion Ratio Lower Upper
43 100
70 35.9 45.0 67.4#
55 20.9 23.8 35.6#
61 22.3 22.1 33.1





#75
1,1,2,2-Tetrachloroethane
Concen: 18.789 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

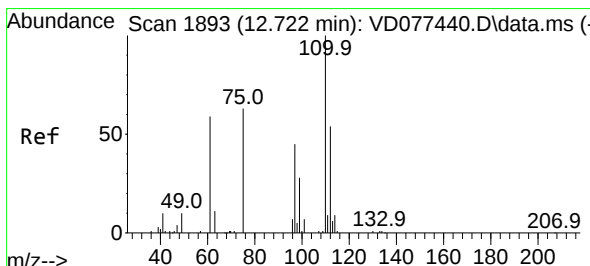
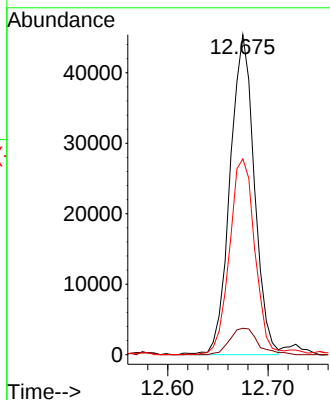
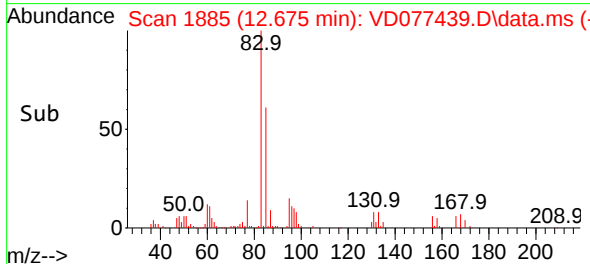
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



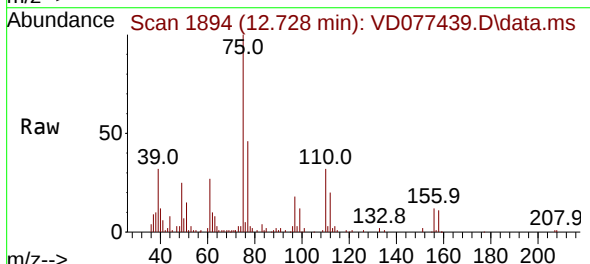
Tgt Ion: 83 Resp: 7631
Ion Ratio Lower Upper
83 100
131 9.6 5.1 15.3
85 63.7 32.6 97.8

Manual Integrations
APPROVED

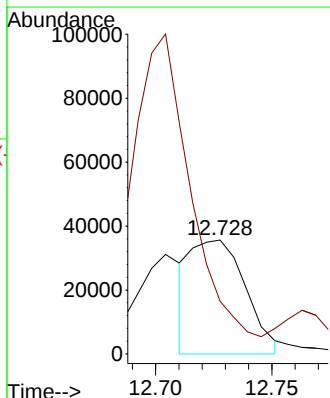
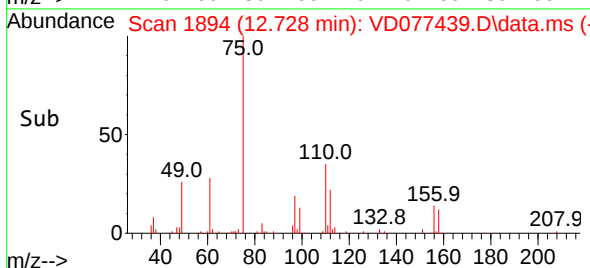
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

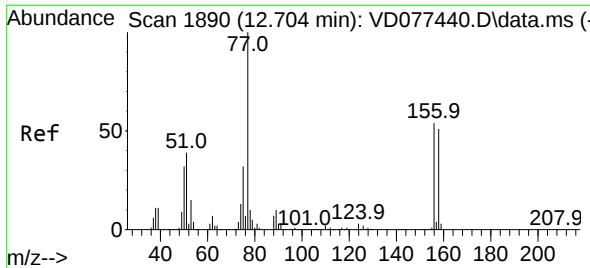


#76
1,2,3-Trichloropropane
Concen: 17.274 ug/l m
RT: 12.728 min Scan# 1894
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



Tgt Ion: 75 Resp: 58666
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





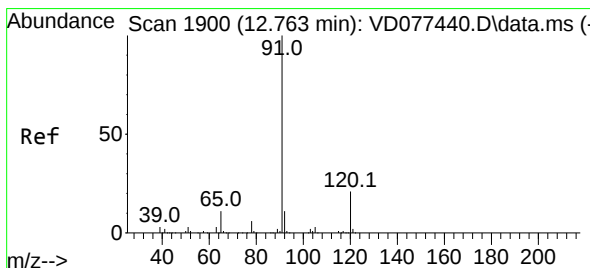
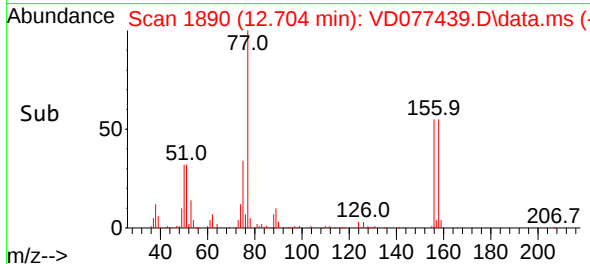
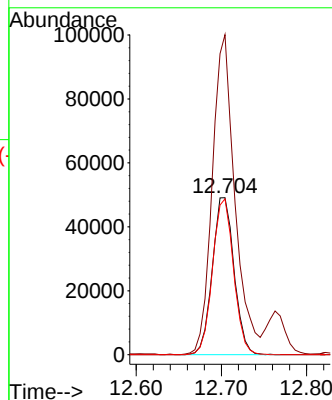
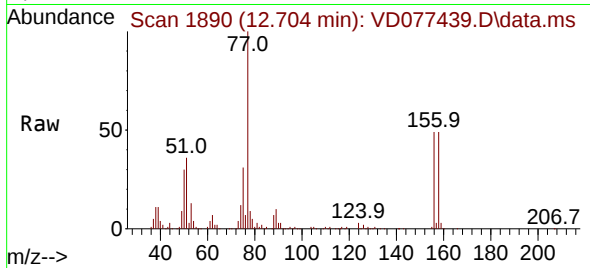
#77
Bromobenzene
Concen: 19.049 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 8688
Ion Ratio Lower Upper
156 100
77 212.3 76.8 230.4
158 96.3 48.6 145.9

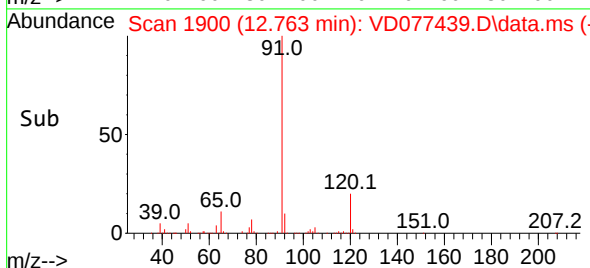
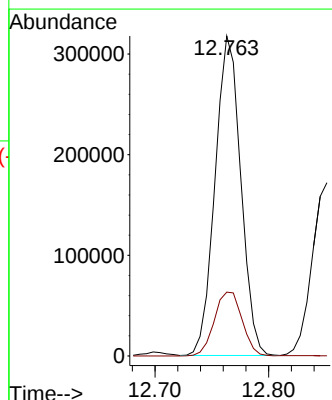
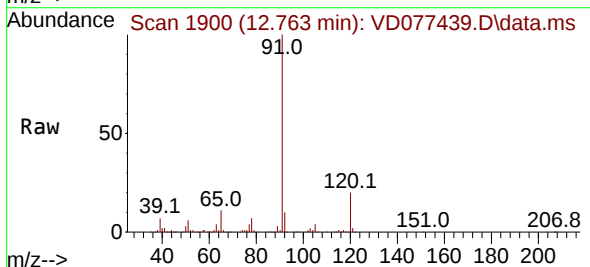
Manual Integrations
APPROVED

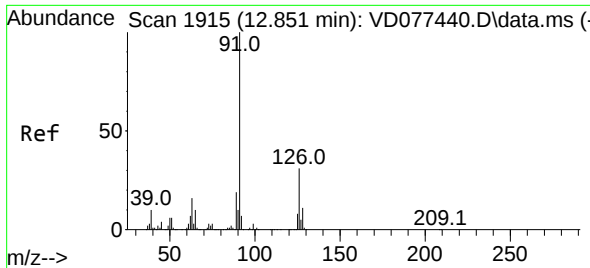
Reviewed By :John Carbone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#78
n-propylbenzene
Concen: 18.994 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion: 91 Resp: 499754
Ion Ratio Lower Upper
91 100
120 21.6 12.4 37.2





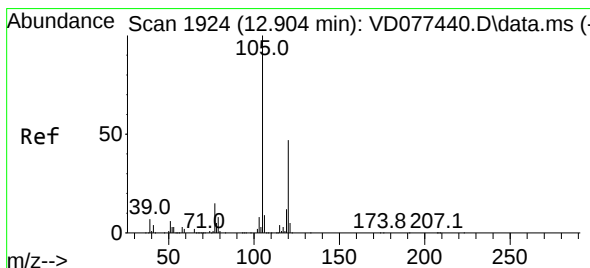
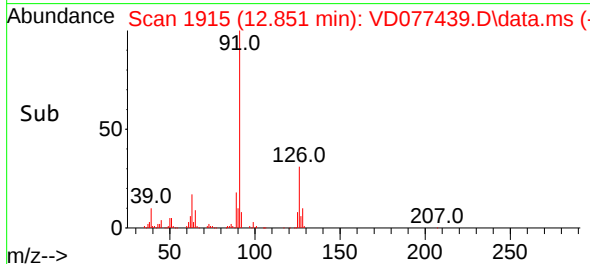
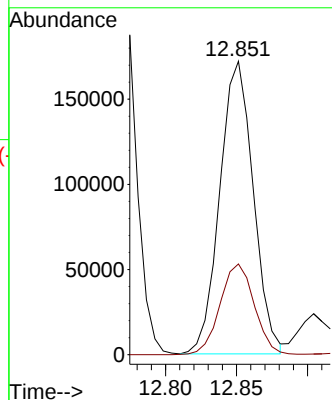
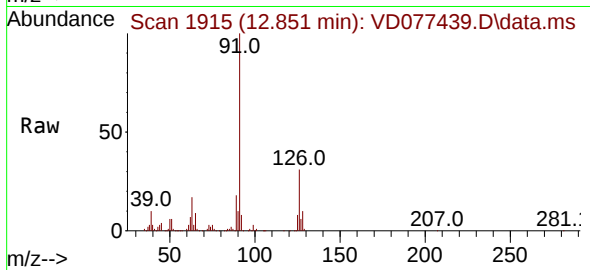
#79
2-Chlorotoluene
Concen: 18.948 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 282275
Ion Ratio Lower Upper
91 100
126 31.7 19.4 58.1

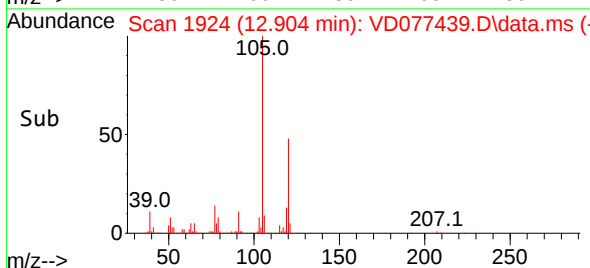
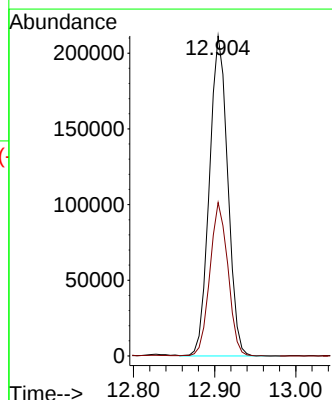
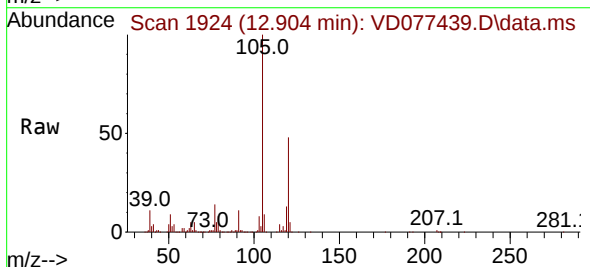
Manual Integrations
APPROVED

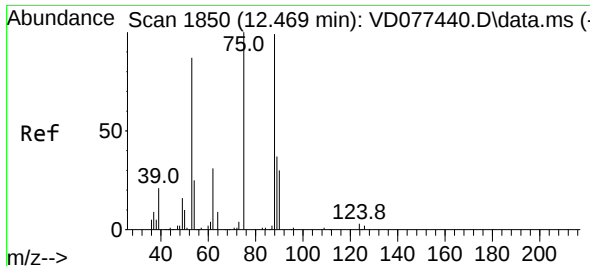
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#80
1,3,5-Trimethylbenzene
Concen: 19.085 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion:105 Resp: 331826
Ion Ratio Lower Upper
105 100
120 47.1 26.4 79.2





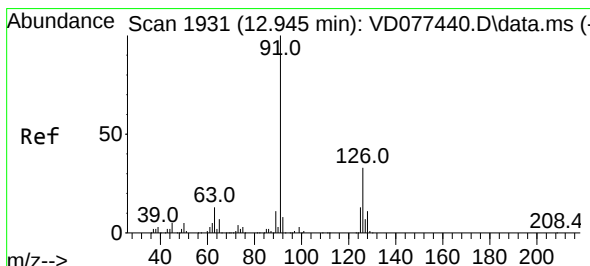
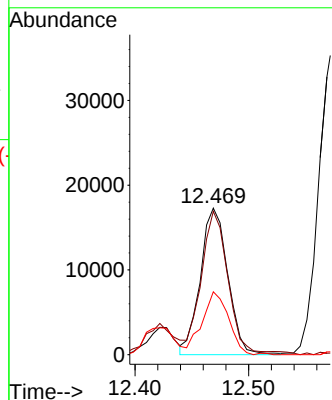
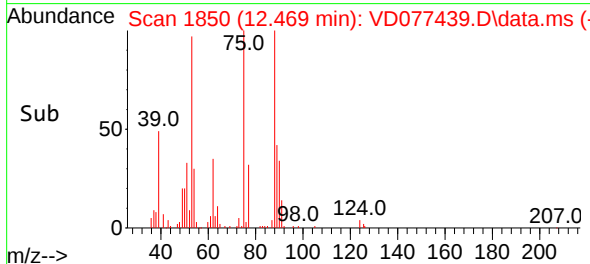
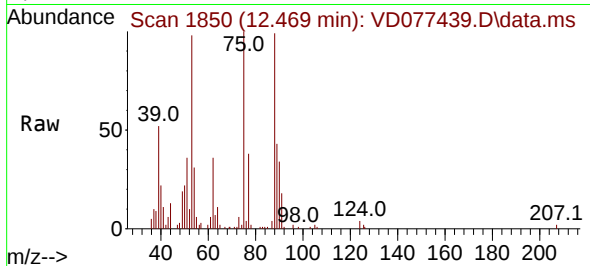
#81
trans-1,4-Dichloro-2-butene
Concen: 18.171 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 2909
Ion Ratio Lower Upper
75 100
53 94.9 63.0 94.4
89 40.8 37.9 56.9

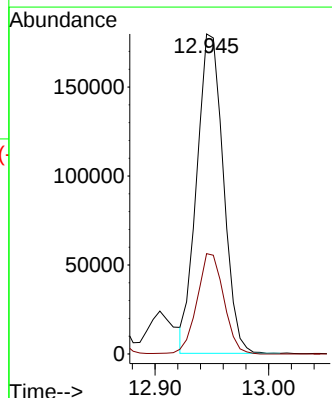
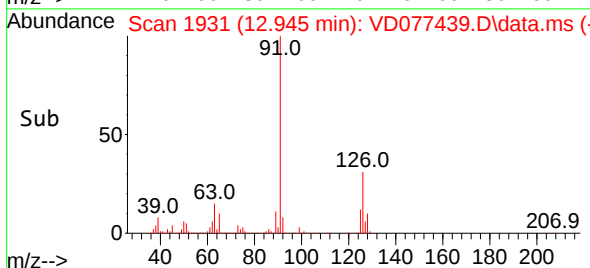
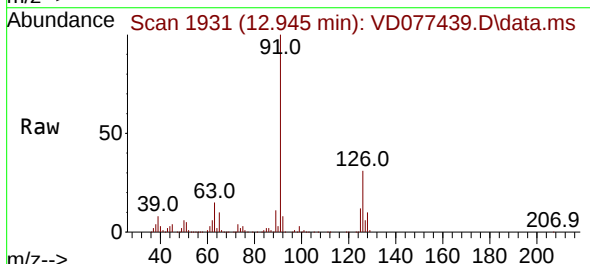
Manual Integrations
APPROVED

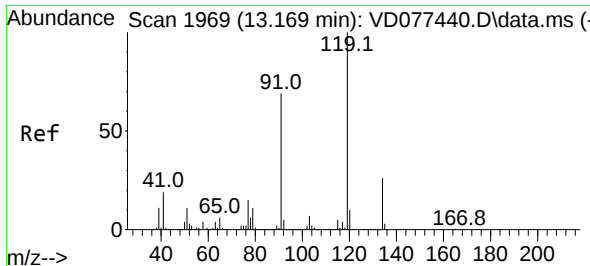
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#82
4-Chlorotoluene
Concen: 18.795 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion: 91 Resp: 291658
Ion Ratio Lower Upper
91 100
126 31.7 19.4 58.4





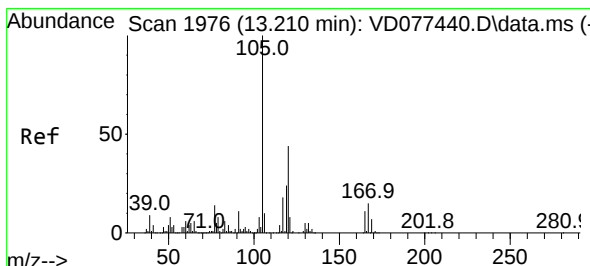
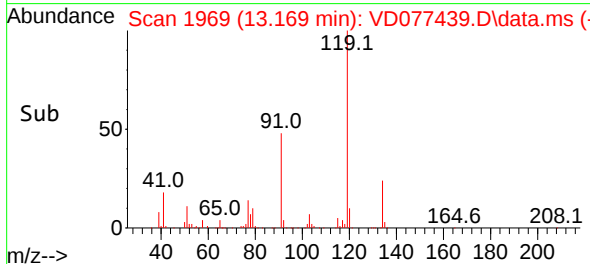
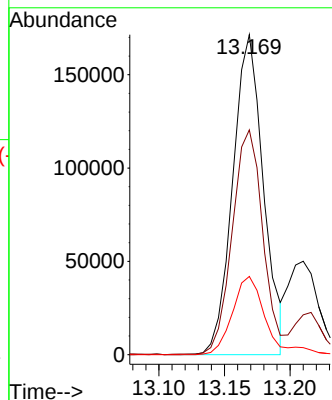
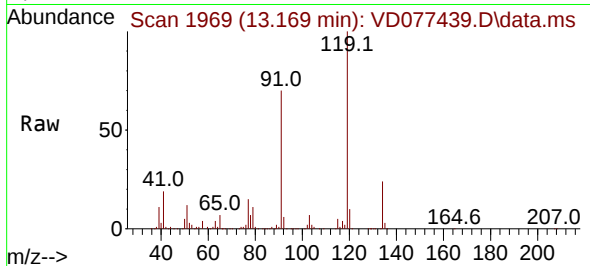
#83
tert-Butylbenzene
Concen: 19.077 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 27887
Ion Ratio Lower Upper
119 100
91 71.3 29.3 87.8
134 26.5 14.1 42.3

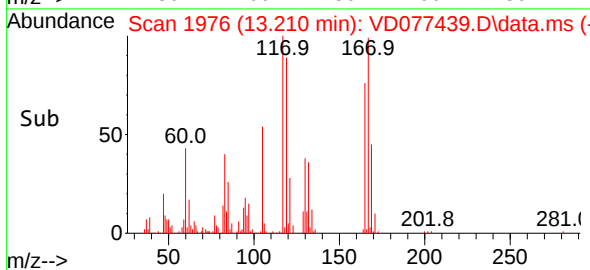
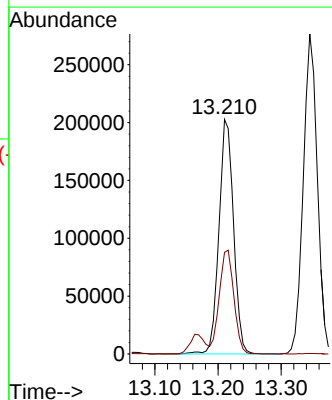
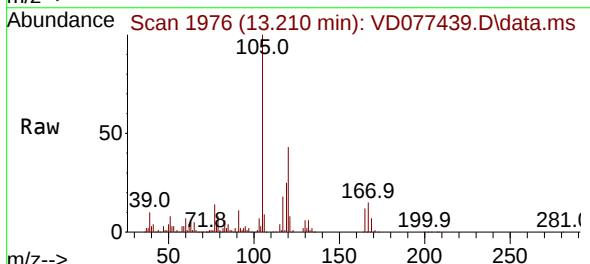
Manual Integrations
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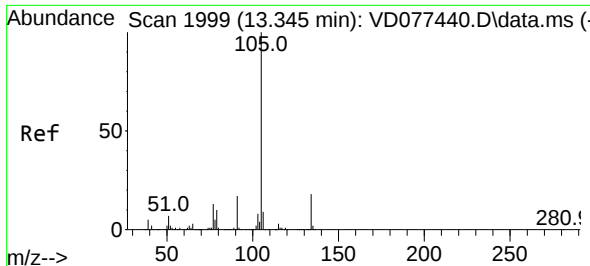
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#84
1,2,4-Trimethylbenzene
Concen: 18.880 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

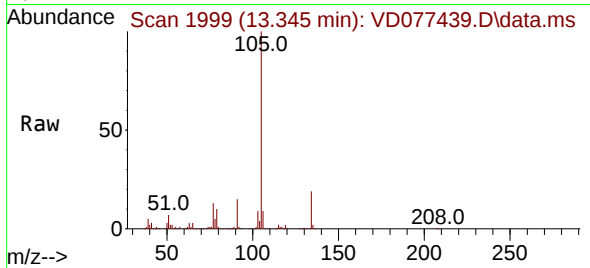
Tgt Ion:105 Resp: 326093
Ion Ratio Lower Upper
105 100
120 44.3 24.3 72.9





#85
 sec-Butylbenzene
 Concen: 19.087 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41

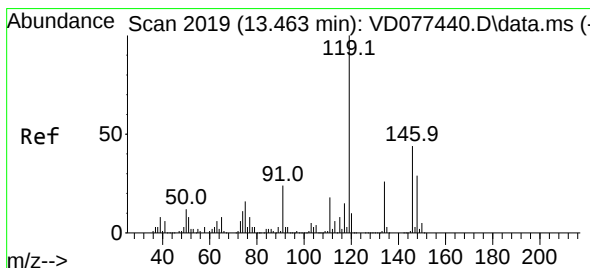
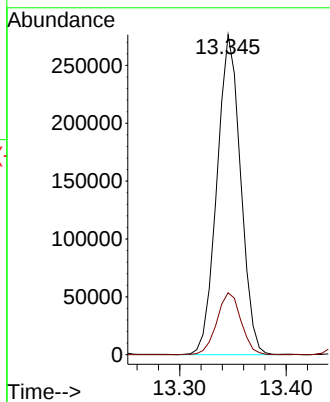
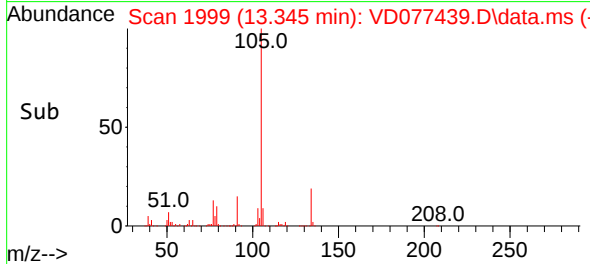
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020



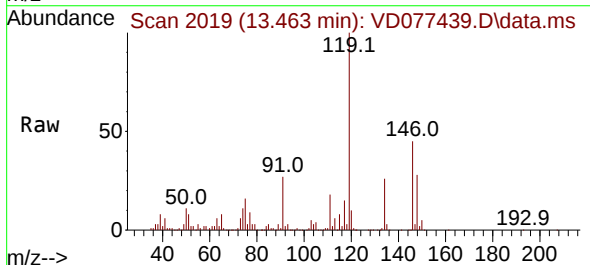
Tgt Ion:105 Resp: 426919
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.9 32.9

Manual Integrations
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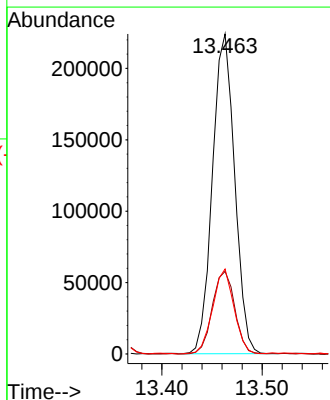
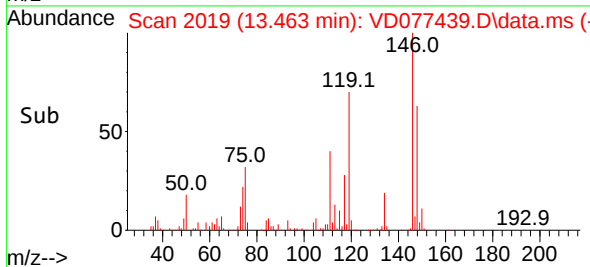
Reviewed By :John Carlone 10/31/2023
 Supervised By :Mahesh Dadoda 10/31/2023

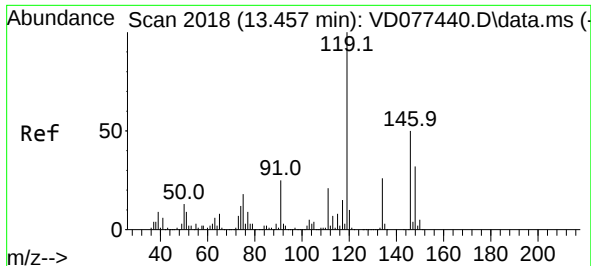


#86
 p-Isopropyltoluene
 Concen: 18.936 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41



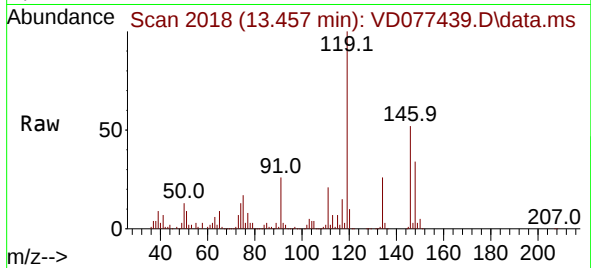
Tgt Ion:119 Resp: 344265
 Ion Ratio Lower Upper
 119 100
 134 26.1 14.2 42.6
 91 25.5 10.5 31.5





#87
 1,3-Dichlorobenzene
 Concen: 19.395 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41

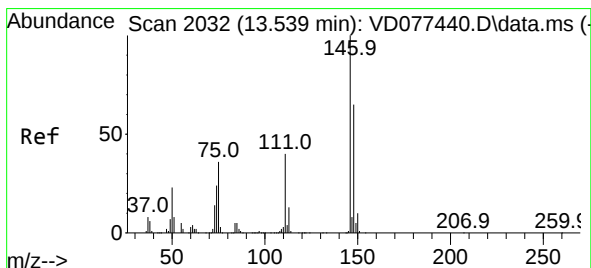
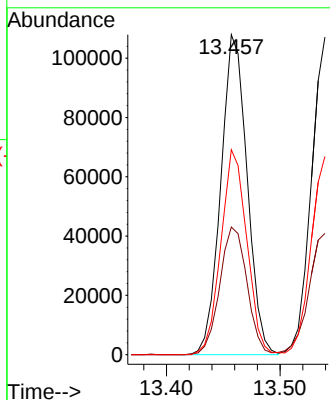
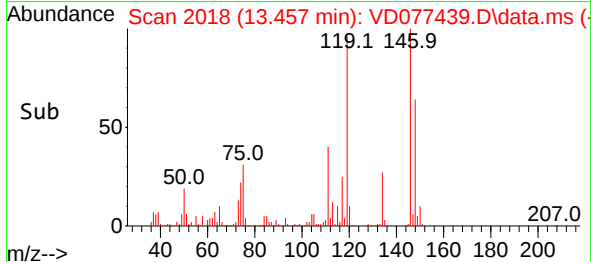
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020



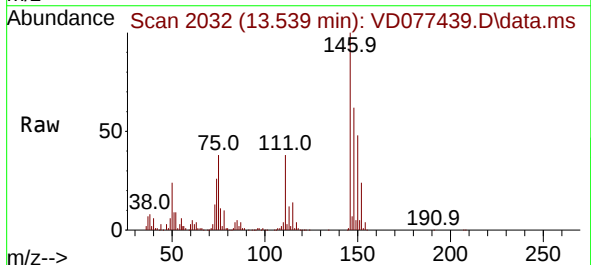
Tgt Ion:146 Resp: 173890
 Ion Ratio Lower Upper
 146 100
 111 41.2 17.9 53.8
 148 63.2 32.3 96.8

Manual Integrations
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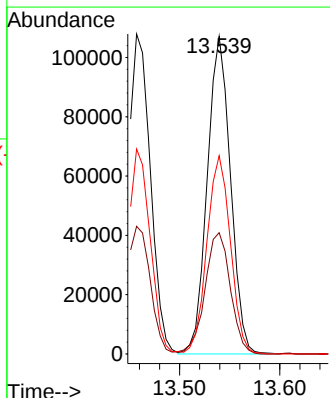
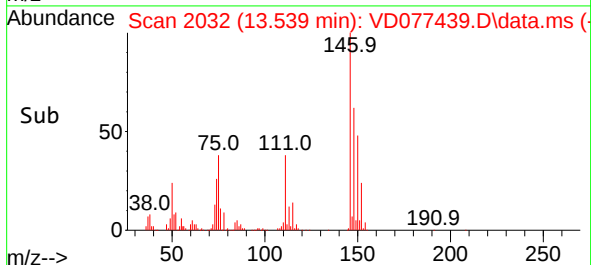
Reviewed By :John Carlone 10/31/2023
 Supervised By :Mahesh Dadoda 10/31/2023



#88
 1,4-Dichlorobenzene
 Concen: 19.270 ug/l
 RT: 13.539 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD077439.D
 Acq: 30 Oct 2023 10:41



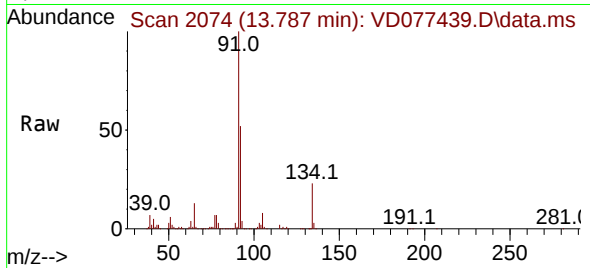
Tgt Ion:146 Resp: 172615
 Ion Ratio Lower Upper
 146 100
 111 41.7 17.4 52.3
 148 63.0 31.7 95.1





#89
n-Butylbenzene
Concen: 19.232 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

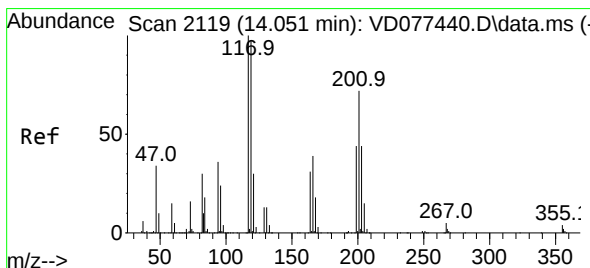
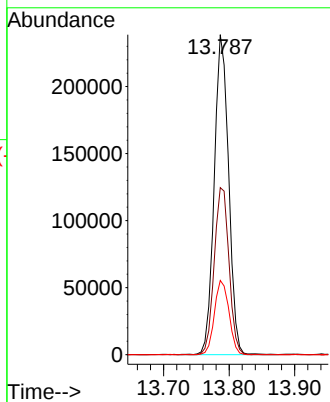
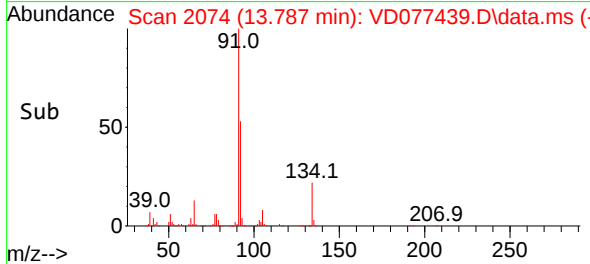
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



Tgt Ion: 91 Resp: 363410
Ion Ratio Lower Upper
91 100
92 53.4 26.5 79.5
134 23.4 13.8 41.3

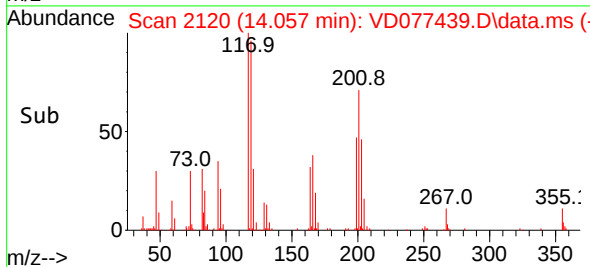
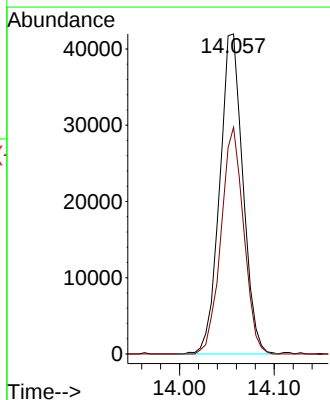
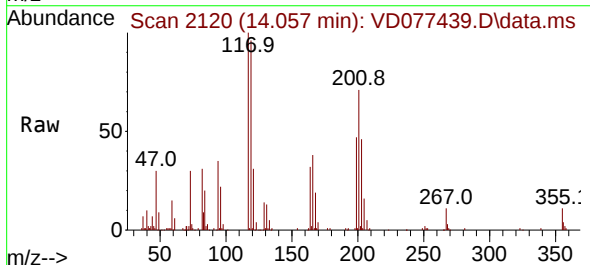
Manual Integrations
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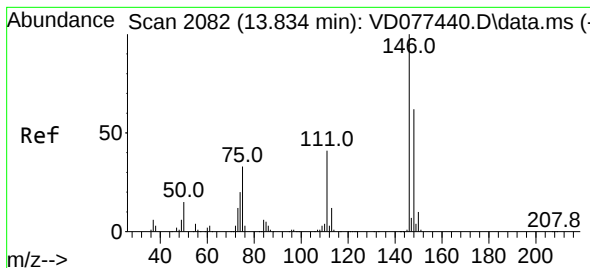
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#90
Hexachloroethane
Concen: 19.216 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion:117 Resp: 71491
Ion Ratio Lower Upper
117 100
201 69.1 38.5 115.5





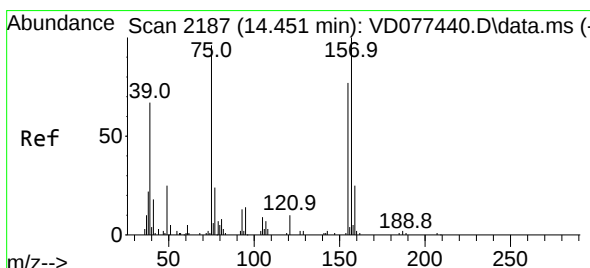
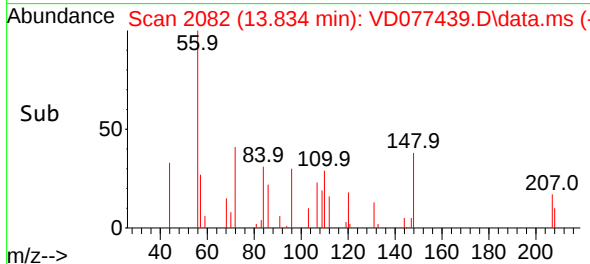
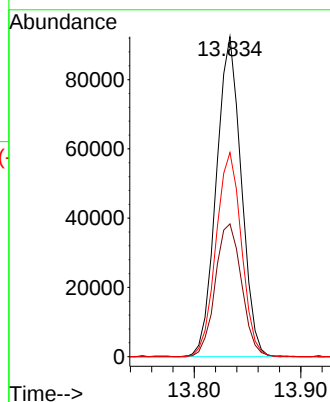
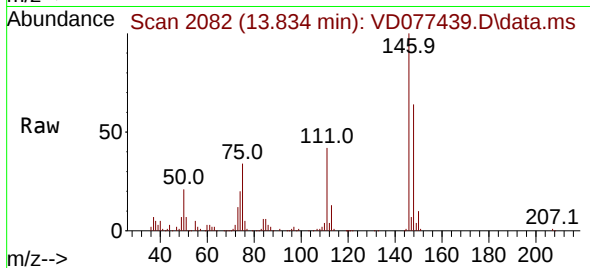
#91
1,2-Dichlorobenzene
Concen: 19.086 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 15038
Ion Ratio Lower Upper
146 100
111 43.9 18.3 54.8
148 65.0 31.6 94.7

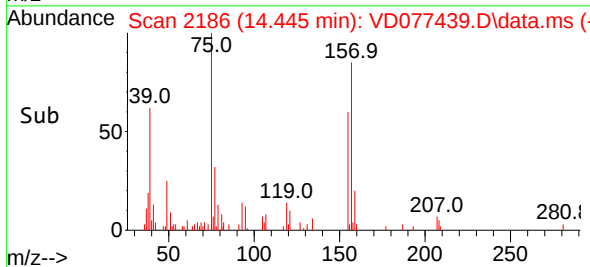
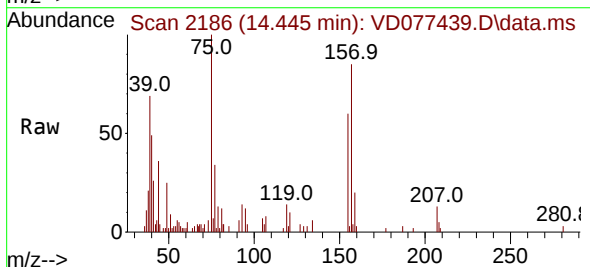
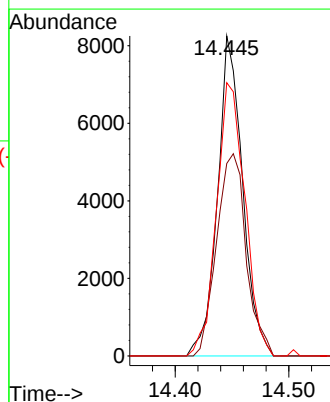
Manual Integrations
APPROVED

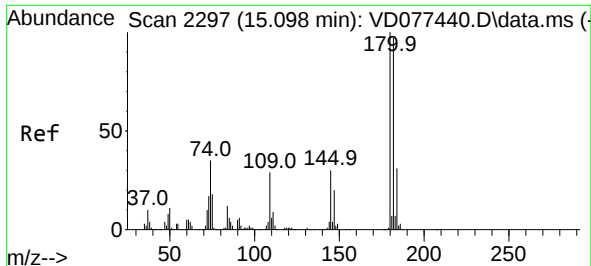
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.473 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

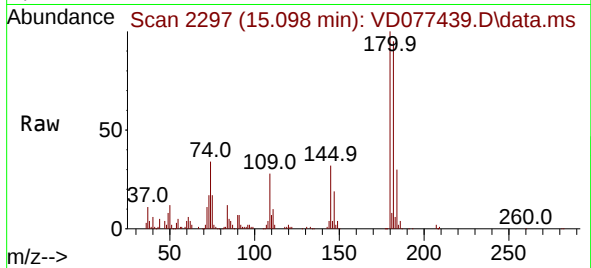
Tgt Ion: 75 Resp: 12641
Ion Ratio Lower Upper
75 100
155 74.6 47.9 143.8
157 96.7 59.9 179.7





#93
1,2,4-Trichlorobenzene
Concen: 19.004 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

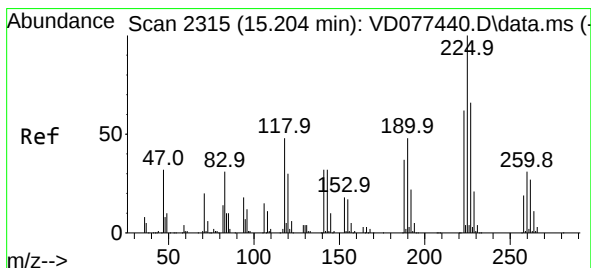
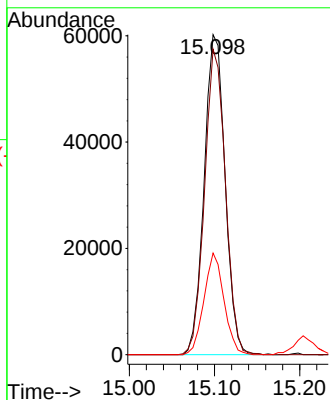
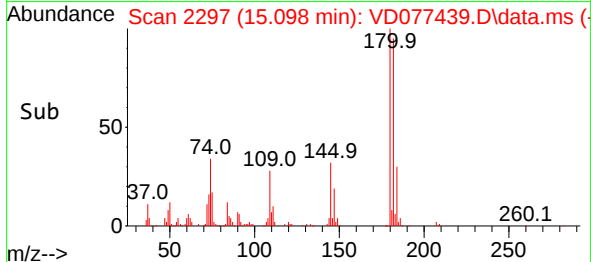
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020



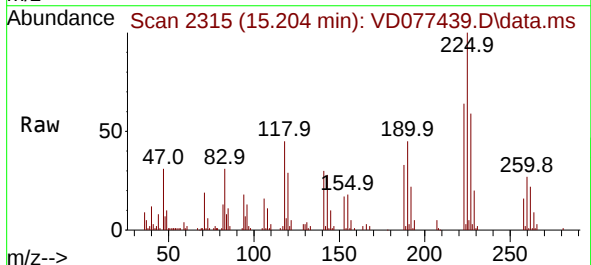
Tgt Ion:180 Resp: 102860
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.6
145 30.4 14.2 42.6

Manual Integrations
APPROVED

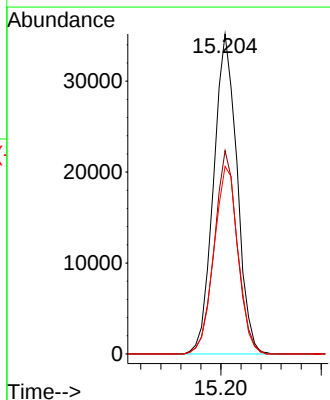
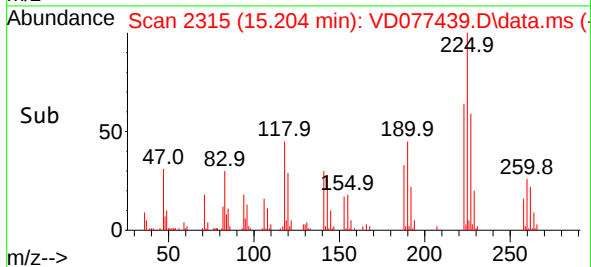
Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023

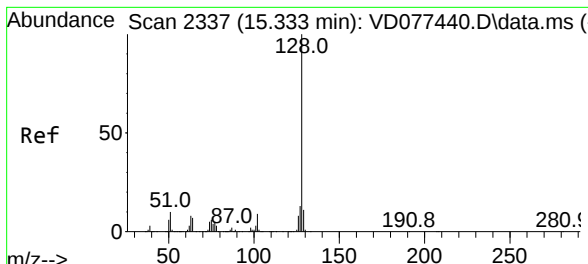


#94
Hexachlorobutadiene
Concen: 19.536 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41



Tgt Ion:225 Resp: 57041
Ion Ratio Lower Upper
225 100
223 62.4 31.6 94.8
227 60.4 31.7 95.1





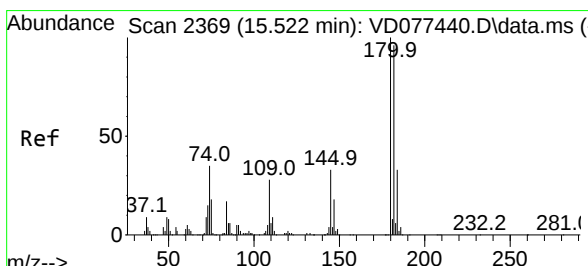
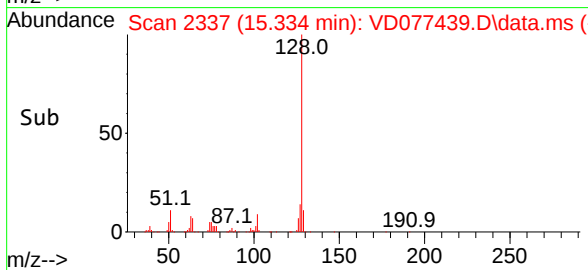
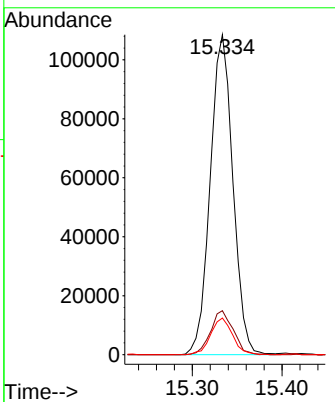
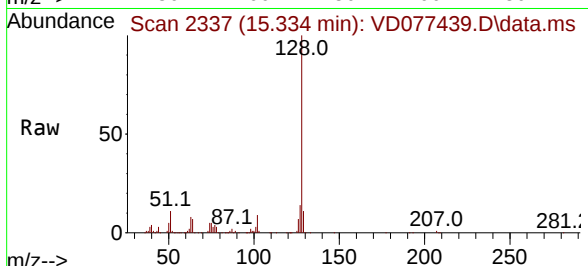
#95
Naphthalene
Concen: 18.447 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Instrument : MSVOA_D
ClientSampleId : VSTDIC020

Tgt Ion:	128	Resp:	19048
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.5	15.7
129	11.5	8.7	13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/31/2023
Supervised By :Mahesh Dadoda 10/31/2023



#96
1,2,3-Trichlorobenzene
Concen: 18.475 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD077439.D
Acq: 30 Oct 2023 10:41

Tgt Ion:	180	Resp:	86323
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.9
145	33.6	15.1	45.3

