

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072525\
 Data File : VX047148.D
 Acq On : 25 Jul 2025 17:27
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 26 04:47:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X072525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 26 04:39:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2025
 Supervised By : Mahesh Dadoda 07/28/2025

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

Internal Standards						
1) Bromochloromethane	4.916	128	43525m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	341989	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	307023	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	140532	25.565	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	85.233%#		
60) 4-Bromofluorobenzene	11.079	95	154669	30.917	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.067%		
63) Toluene-d8	8.653	98	403426	30.168	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	17235	3.479	ug/l	97
3) Chloromethane	1.313	50	18956	4.258	ug/l	98
4) Vinyl Chloride	1.392	62	22453	4.212	ug/l	91
5) Bromomethane	1.630	94	10483m	4.864	ug/l	
6) Chloroethane	1.709	64	13339	4.433	ug/l	97
7) Trichlorofluoromethane	1.910	101	27748	3.831	ug/l	98
8) Diethyl Ether	2.148	74	11392	4.310	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	17507	4.068	ug/l	91
10) 1,1-Dichloroethene	2.337	96	17894	4.064	ug/l	97
11) Methyl Iodide	2.471	142	28753	4.231	ug/l #	95
12) Methyl Acetate	2.715	43	23210	4.235	ug/l	94
13) Acrolein	2.252	56	13228	18.047	ug/l	97
14) Acrylonitrile	3.087	53	47379	20.946	ug/l	98
15) Acetone	2.392	58	12552	22.605	ug/l	94
16) Carbon Disulfide	2.532	76	65854	5.159	ug/l	98
17) Allyl chloride	2.685	41	31153	4.141	ug/l	96
18) Methylene Chloride	2.806	84	21105	4.441	ug/l	87
19) trans-1,2-Dichloroethene	3.111	96	19426m	4.308	ug/l	
20) Diisopropyl ether	3.770	45	70513	4.384	ug/l #	72
21) 1,1-Dichloroethane	3.629	63	38814	4.433	ug/l	98
22) cis-1,2-Dichloroethene	4.501	96	25793m	4.684	ug/l	
23) tert-Butyl Alcohol	2.959	59	14667	23.356	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	65044	4.410	ug/l	99
25) Chloroform	5.111	83	37748	4.379	ug/l	94
26) Cyclohexane	5.483	56	39225	4.614	ug/l #	99
29) 1,1-Dichloropropene	5.708	75	29199	5.482	ug/l	79
30) 2-Butanone	4.581	43	65225	25.925	ug/l #	88
31) 2,2-Dichloropropane	4.495	77	29336	5.129	ug/l #	75
32) 1,1,1-Trichloroethane	5.391	97	34077m	5.166	ug/l	
33) Carbon Tetrachloride	5.690	117	19397m	4.156	ug/l	
34) Benzene	6.050	78	80745	5.135	ug/l #	80
35) Methacrylonitrile	4.940	41	14089	5.180	ug/l #	83
36) 1,2-Dichloroethane	6.099	62	31157m	5.517	ug/l	
37) Trichloroethene	7.135	130	19973	5.047	ug/l	92
38) Methylcyclohexane	7.391	83	37221	5.420	ug/l	98
39) 1,2-Dichloropropane	7.440	63	21507	5.335	ug/l	93
40) Dibromomethane	7.598	93	14200m	5.049	ug/l	
41) Bromodichloromethane	7.824	83	30948	5.259	ug/l #	95
42) Vinyl Acetate	3.739	43	294710	25.481	ug/l	99

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 ClientSampleId :
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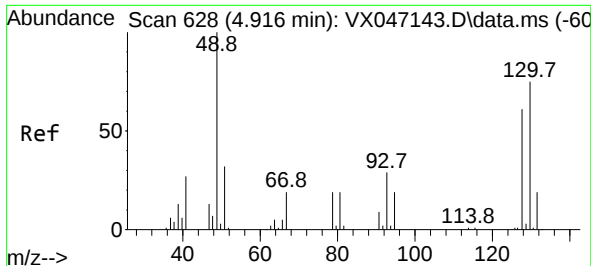
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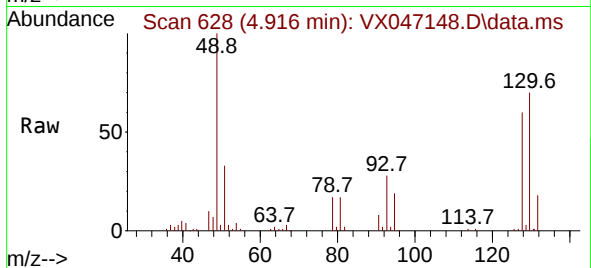
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.733	43	32391m	5.646	ug/l	
44) Isopropyl Acetate	6.355	43	44663	4.948	ug/l	98
45) 1,4-Dioxane	7.720	88	6512m	115.439	ug/l	
46) Methyl methacrylate	7.702	41	23834	5.146	ug/l	93
47) n-amyl Acetate	10.842	43	40470	5.128	ug/l	96
48) t-1,3-Dichloropropene	8.982	75	28619	5.032	ug/l	94
49) cis-1,3-Dichloropropene	8.373	75	32303	5.192	ug/l	92
50) 1,1,2-Trichloroethane	9.153	97	20233	5.410	ug/l	94
51) Ethyl methacrylate	9.122	69	30162	4.947	ug/l	95
52) 1,3-Dichloropropane	9.311	76	36103	5.564	ug/l	100
53) Dibromochloromethane	9.537	129	4263m	3.104	ug/l	
54) 1,2-Dibromoethane	9.610	107	21419	5.471	ug/l	91
55) 2-Chloroethyl vinyl ether	8.245	63	69106	23.243	ug/l	99
56) Bromoform	10.823	173	632m	11.356	ug/l	
58) 4-Methyl-2-Pentanone	8.574	43	138064	25.773	ug/l	99
59) 2-Hexanone	9.433	43	99914	26.366	ug/l	99
61) Tetrachloroethene	9.275	164	18627	5.541	ug/l	96
62) Toluene	8.720	91	93542	5.448	ug/l	100
64) Chlorobenzene	10.080	112	59888	5.440	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	13455	3.866	ug/l	80
66) Ethyl Benzene	10.195	91	107985	5.497	ug/l	97
67) m/p-Xylenes	10.299	106	79814	10.963	ug/l	98
68) o-Xylene	10.640	106	37990	5.411	ug/l	97
69) Styrene	10.659	104	65521	5.441	ug/l	99
70) Isopropylbenzene	10.964	105	103798	5.550	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	31698	5.713	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	22894m	5.358	ug/l	
73) Bromobenzene	11.195	156	25638	5.728	ug/l	98
74) n-propylbenzene	11.305	91	126791	5.647	ug/l	100
75) 2-Chlorotoluene	11.366	91	76756	5.777	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	88224	5.734	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	1787	2.826	ug/l	91
78) 4-Chlorotoluene	11.451	91	87328	5.700	ug/l	100
79) tert-butylbenzene	11.713	119	86419	5.612	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	86879	5.693	ug/l	99
81) sec-Butylbenzene	11.890	105	110068	5.728	ug/l	99
82) p-Isopropyltoluene	12.006	119	91725	5.744	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	48602	5.812	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	48505	5.852	ug/l	97
85) n-Butylbenzene	12.329	91	90950	5.935	ug/l	100
86) Hexachloroethane	12.536	117	12333	5.554	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	44949	5.731	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	6858	5.710	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	32714	6.033	ug/l	97
90) Hexachlorobutadiene	13.725	225	5179m	4.298	ug/l	
91) Naphthalene	13.774	128	112406	6.141	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	31484	6.051	ug/l	98

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



#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

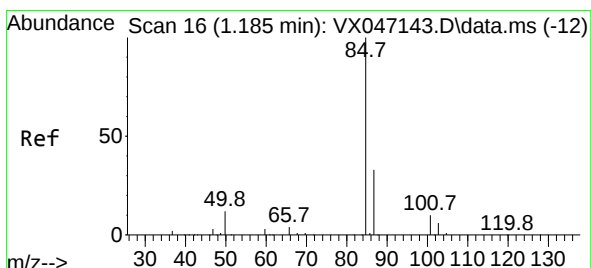
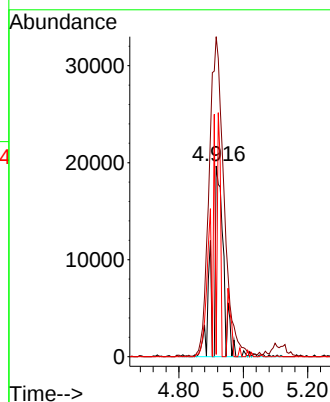
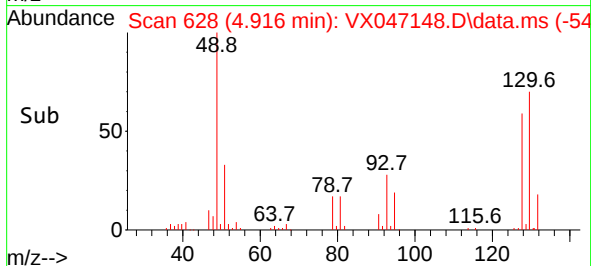
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



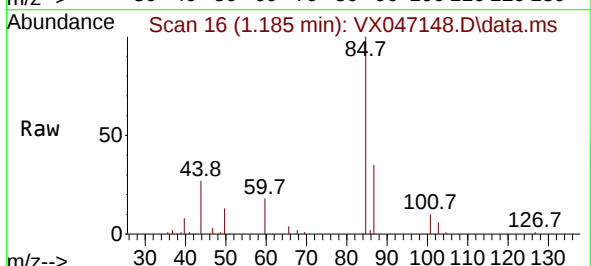
Tgt Ion:128 Resp: 4352
Ion Ratio Lower Upper
128 100
49 243.5 0.0 0.0
130 38.0 0.0 0.0

Manual Integrations
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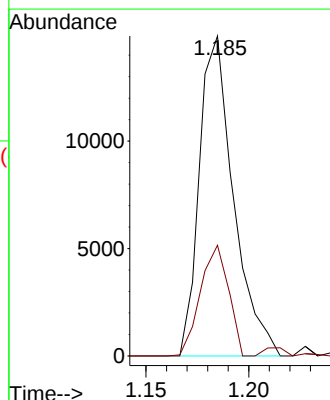
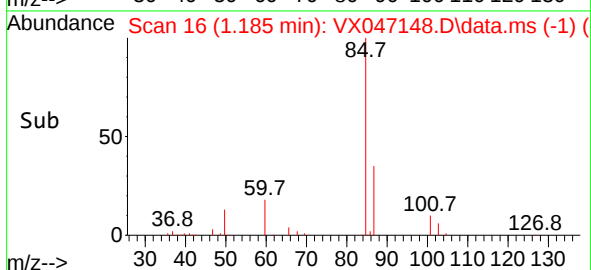
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

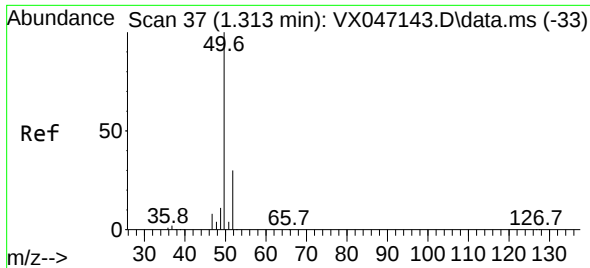


#2
Dichlorodifluoromethane
Concen: 3.479 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27



Tgt Ion: 85 Resp: 17235
Ion Ratio Lower Upper
85 100
87 34.2 16.4 49.1





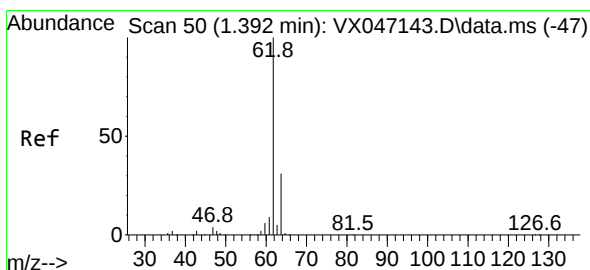
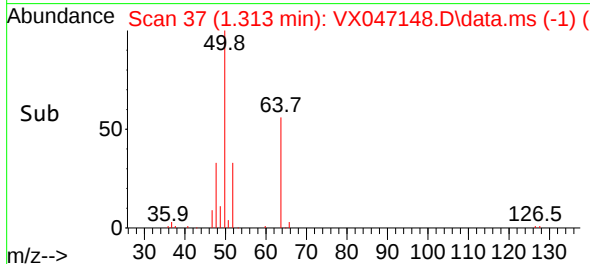
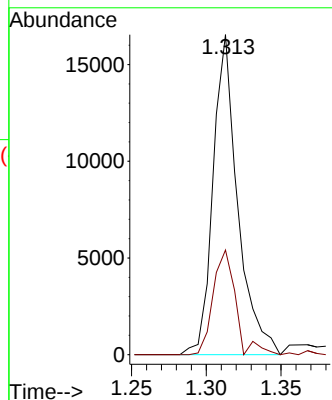
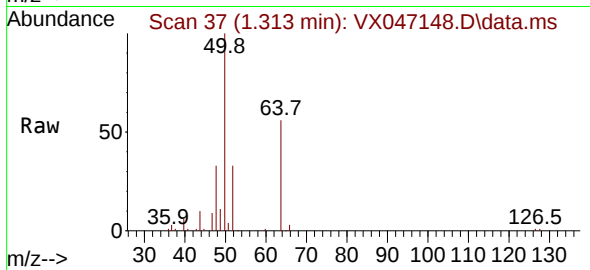
#3
Chloromethane
Concen: 4.258 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 18950
Ion Ratio Lower Upper
50 100
52 31.5 24.4 36.6

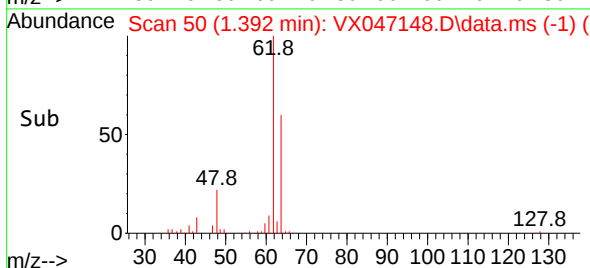
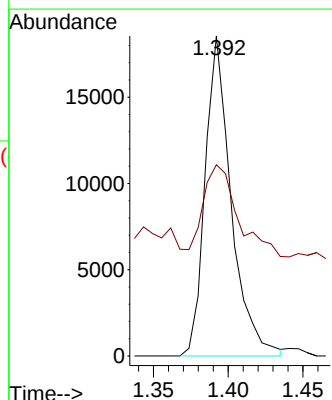
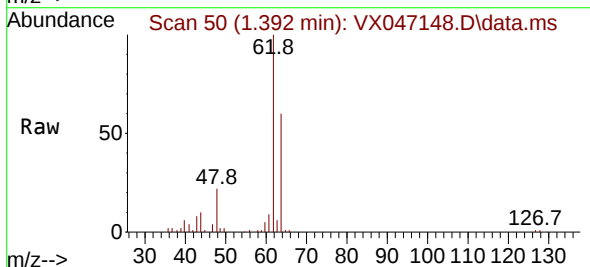
Manual Integrations
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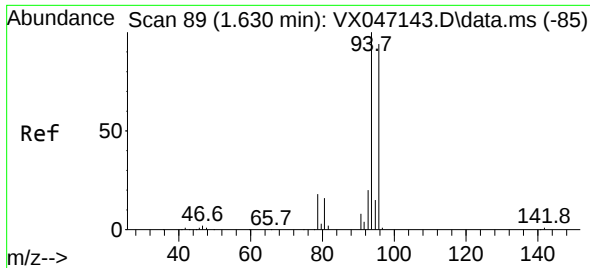
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#4
Vinyl Chloride
Concen: 4.212 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

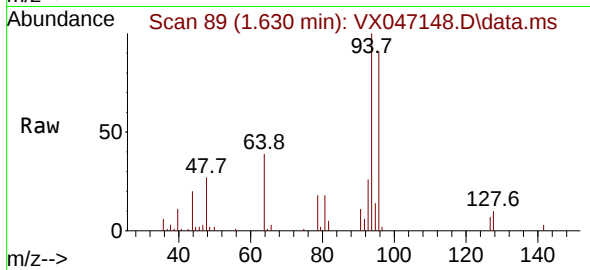
Tgt Ion: 62 Resp: 22453
Ion Ratio Lower Upper
62 100
64 27.1 25.7 38.5





#5
Bromomethane
Concen: 4.864 ug/l m
RT: 1.630 min Scan# 89
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

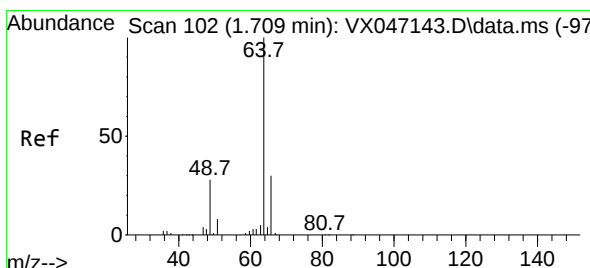
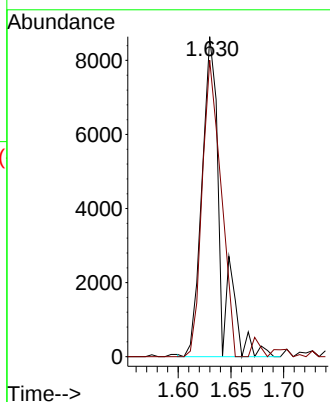
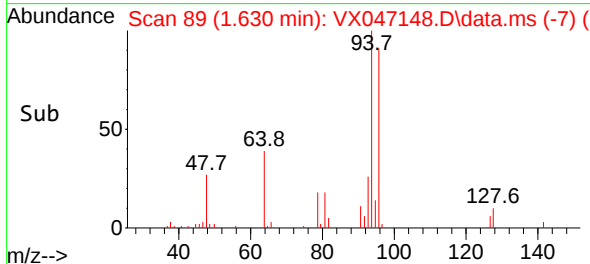
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



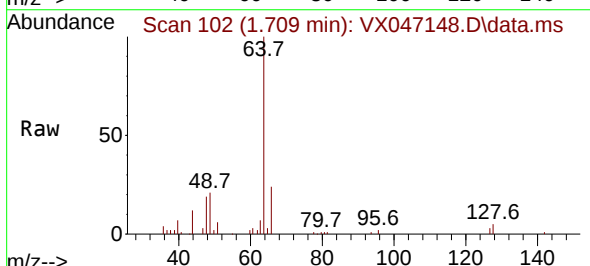
Tgt Ion: 94 Resp: 1048
Ion Ratio Lower Upper
94 100
96 90.9 66.0 99.0

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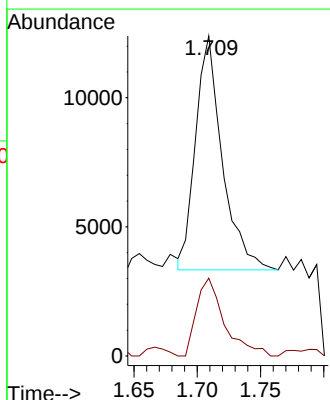
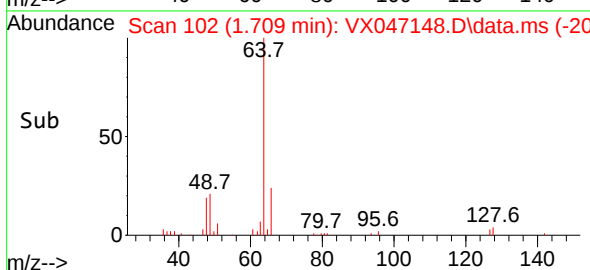
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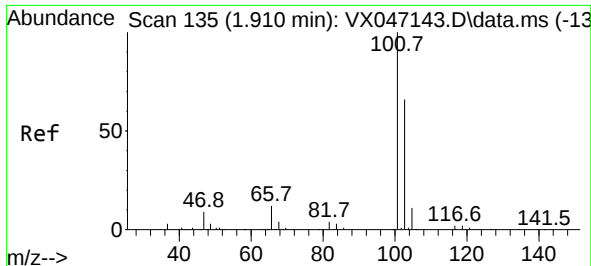


#6
Chloroethane
Concen: 4.433 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27



Tgt Ion: 64 Resp: 13339
Ion Ratio Lower Upper
64 100
66 32.0 24.3 36.5





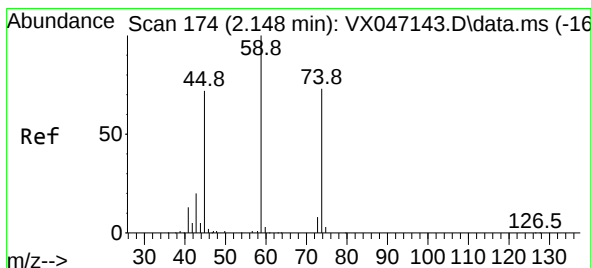
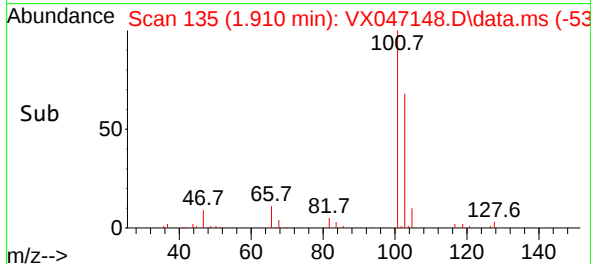
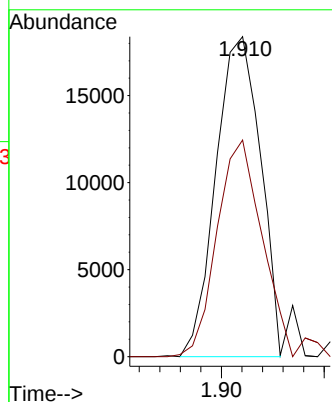
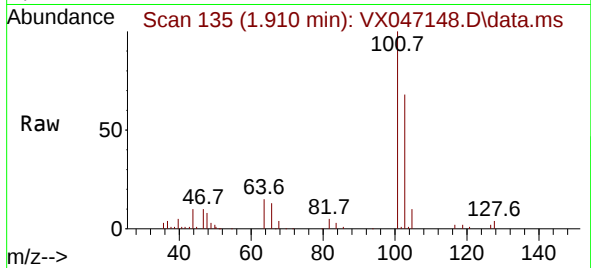
#7
 Trichlorofluoromethane
 Concen: 3.831 ug/l
 RT: 1.910 min Scan# 135
 Delta R.T. 0.000 min
 Lab File: VX047148.D
 Acq: 25 Jul 2025 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 27748
 Ion Ratio Lower Upper
 101 100
 103 67.4 52.4 78.6

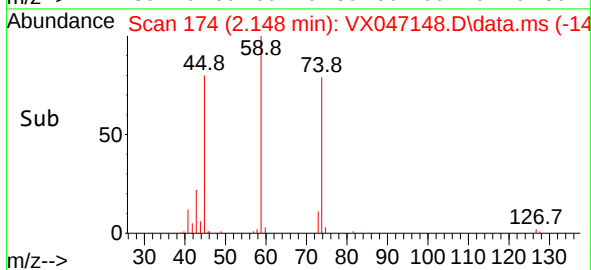
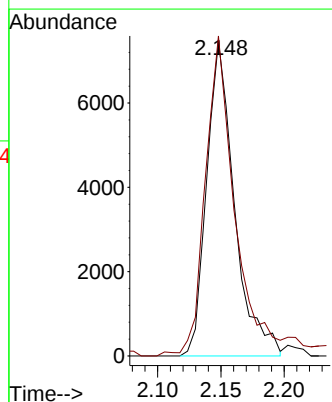
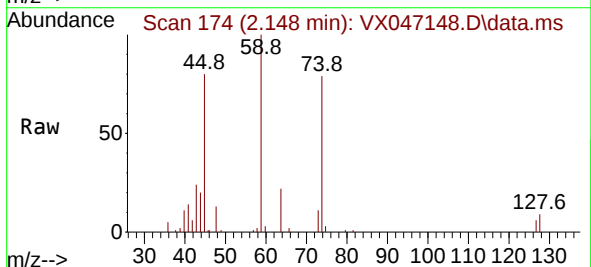
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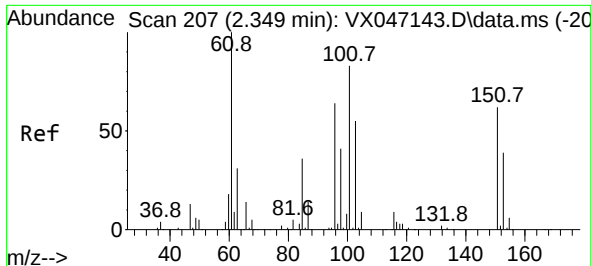
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/28/2025



#8
 Diethyl Ether
 Concen: 4.310 ug/l
 RT: 2.148 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VX047148.D
 Acq: 25 Jul 2025 17:27

Tgt Ion: 74 Resp: 11392
 Ion Ratio Lower Upper
 74 100
 45 106.0 22.0 197.6





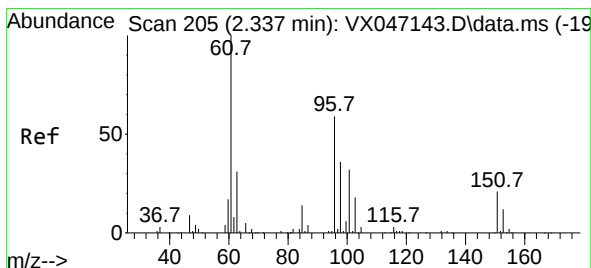
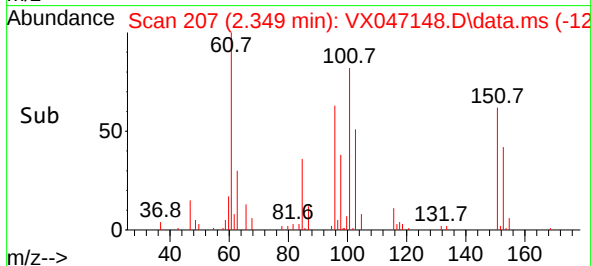
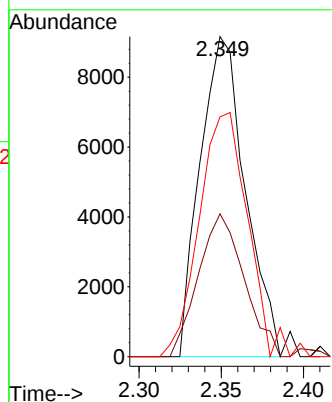
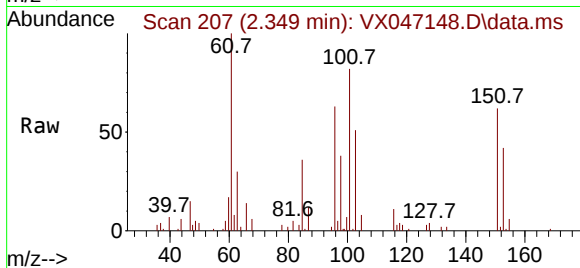
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1,1,2-Trichlorotrifluoroethane
Concen: 4.068 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 1750
Ion Ratio Lower Upper
101 100
85 45.1 0.0 91.8
151 79.8 0.0 137.2

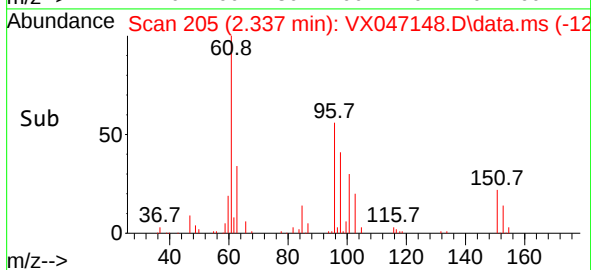
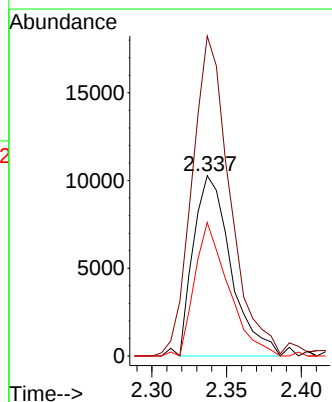
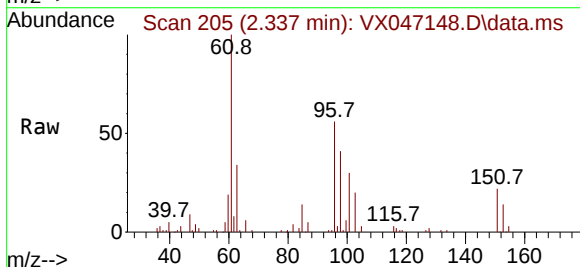
Manual Integrations
APPROVED

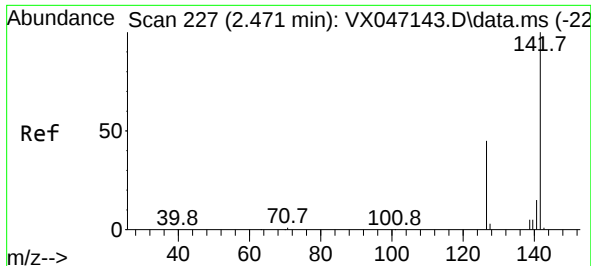
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#10
1,1-Dichloroethene
Concen: 4.064 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

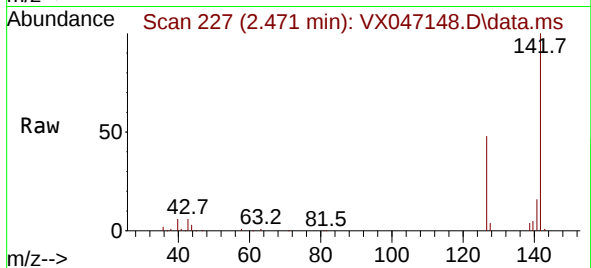
Tgt Ion: 96 Resp: 17894
Ion Ratio Lower Upper
96 100
61 181.0 145.5 218.3
98 70.5 49.5 74.3





#11
Methyl Iodide
Concen: 4.231 ug/l
RT: 2.471 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

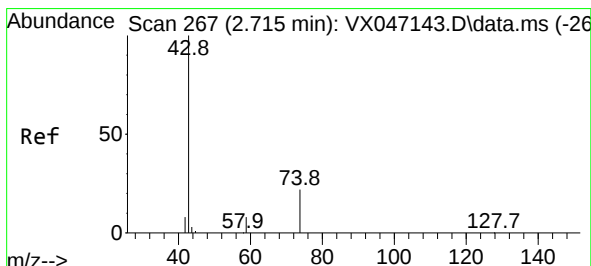
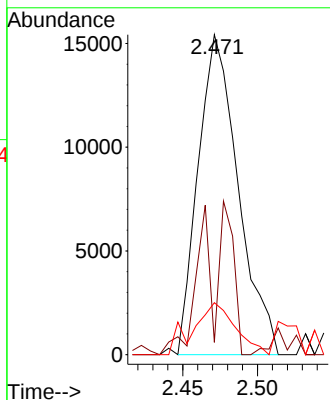
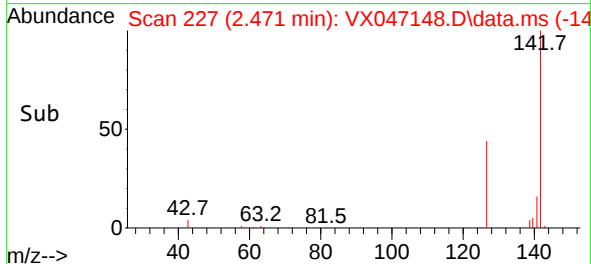
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:142 Resp: 2875
Ion Ratio Lower Upper
142 100
127 0.0 0.9 2.8
141 106.0 55.5 166.5

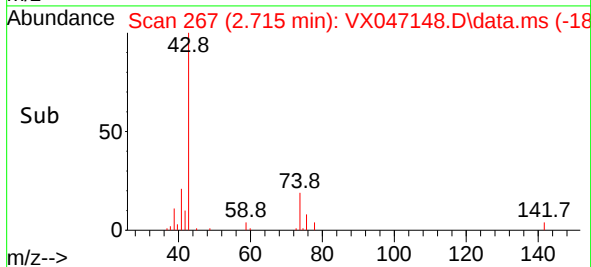
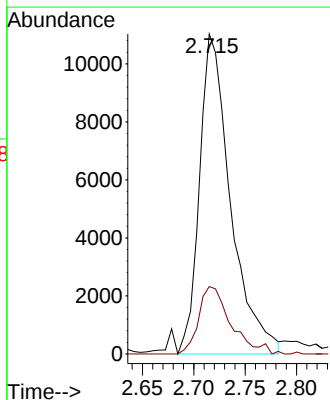
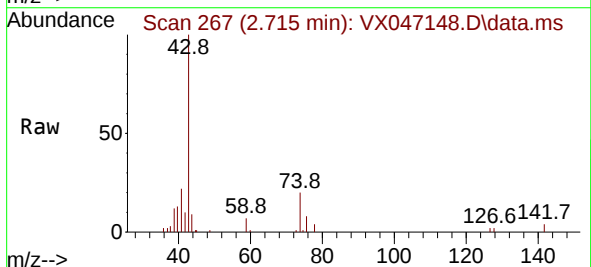
Manual Integrations
APPROVED

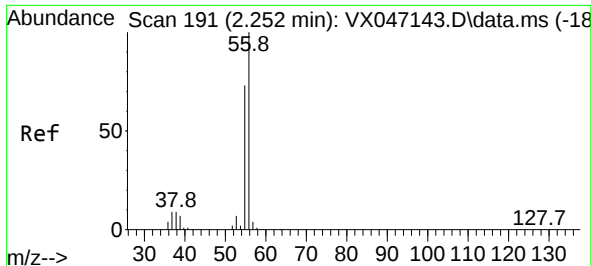
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#12
Methyl Acetate
Concen: 4.235 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

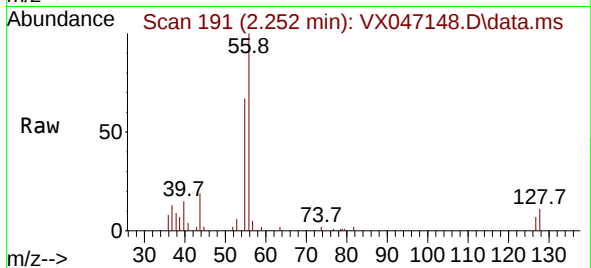
Tgt Ion: 43 Resp: 23210
Ion Ratio Lower Upper
43 100
74 19.9 18.4 27.6





#13
Acrolein
Concen: 18.047 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

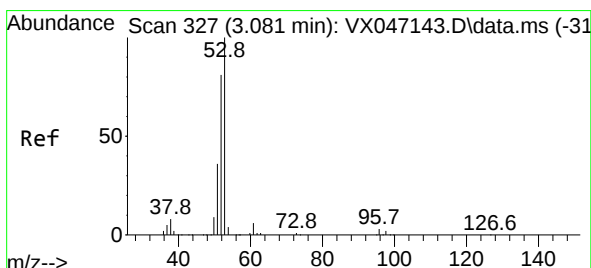
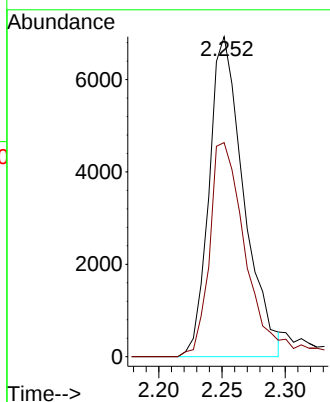
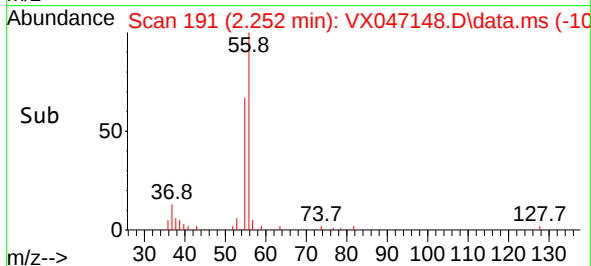
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 13228
Ion Ratio Lower Upper
56 100
55 68.6 56.8 85.2

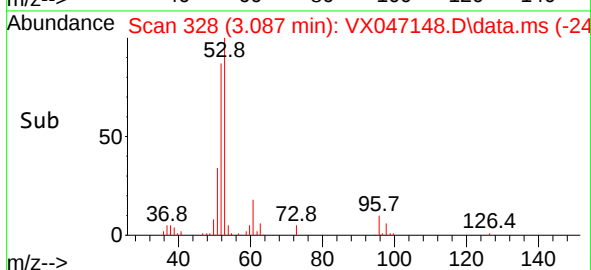
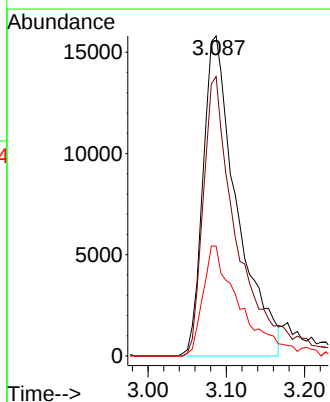
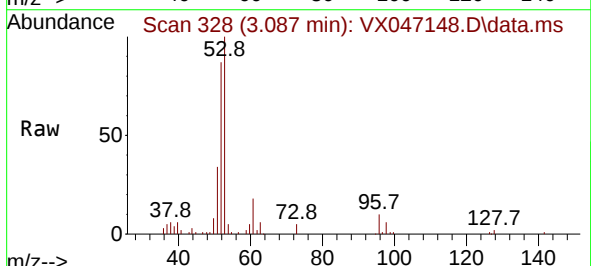
Manual Integrations
APPROVED

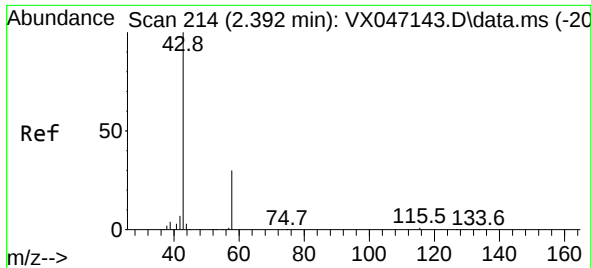
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#14
Acrylonitrile
Concen: 20.946 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

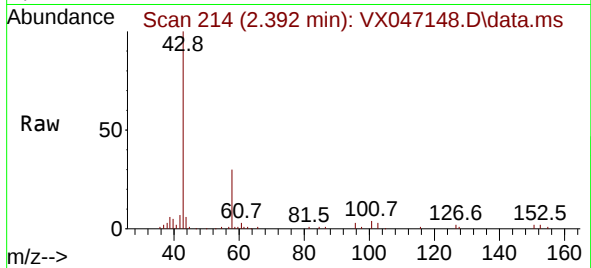
Tgt Ion: 53 Resp: 47379
Ion Ratio Lower Upper
53 100
52 81.6 41.3 123.7
51 37.3 17.2 51.5





#15
Acetone
Concen: 22.605 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

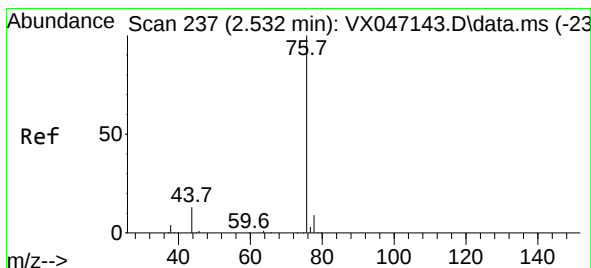
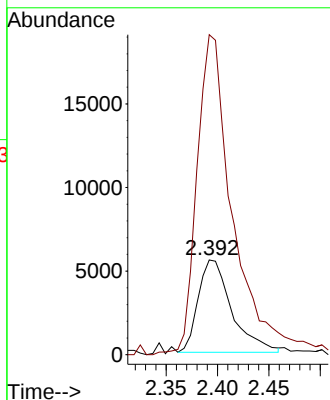
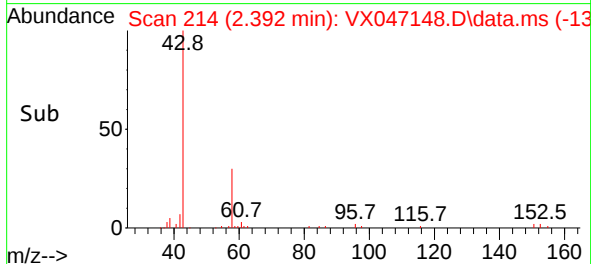
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 58 Resp: 12552
Ion Ratio Lower Upper
58 100
43 346.2 266.9 400.3

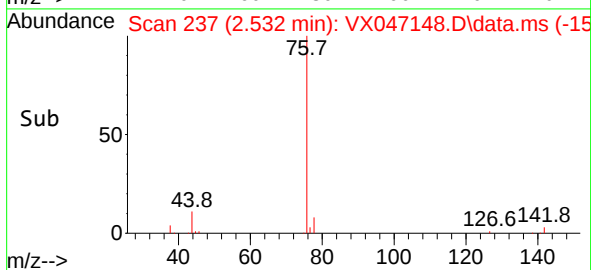
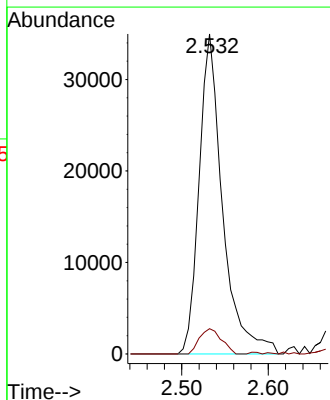
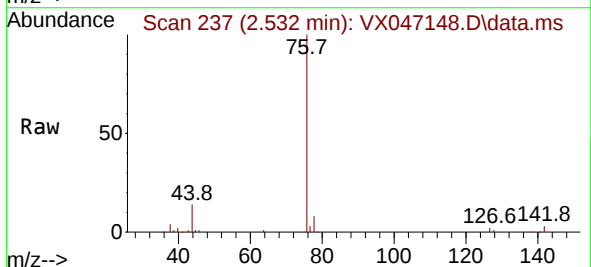
Manual Integrations
APPROVED

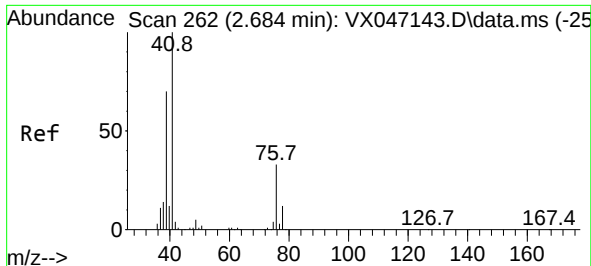
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#16
Carbon Disulfide
Concen: 5.159 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 76 Resp: 65854
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7





#17

Allyl chloride

Concen: 4.141 ug/l

RT: 2.685 min Scan# 262

Delta R.T. 0.000 min

Lab File: VX047148.D

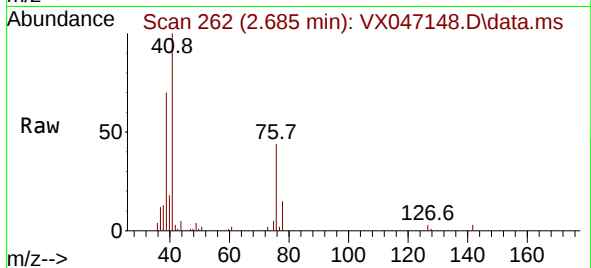
Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



Tgt Ion: 41 Resp: 3115

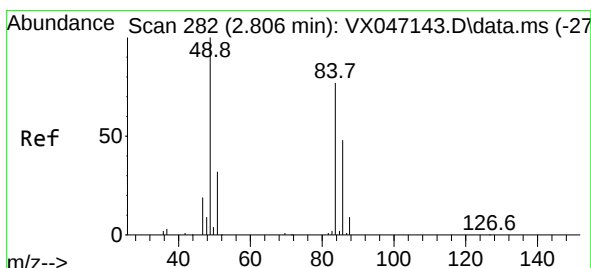
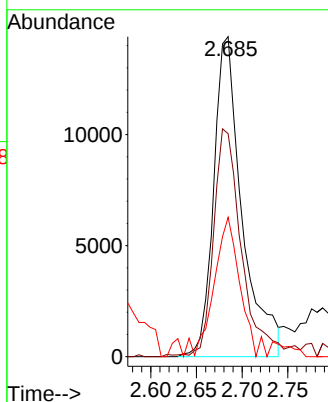
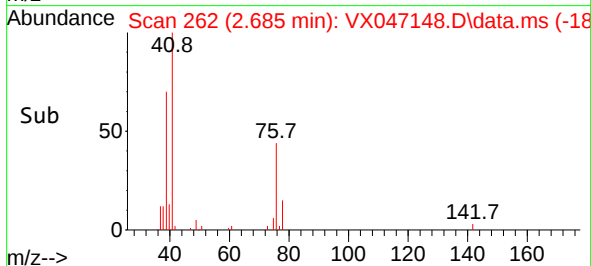
Ion	Ratio	Lower	Upper
41	100		
39	69.1	34.3	102.8
76	39.7	16.7	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#18

Methylene Chloride

Concen: 4.441 ug/l

RT: 2.806 min Scan# 282

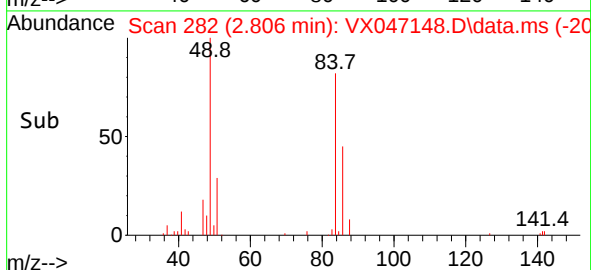
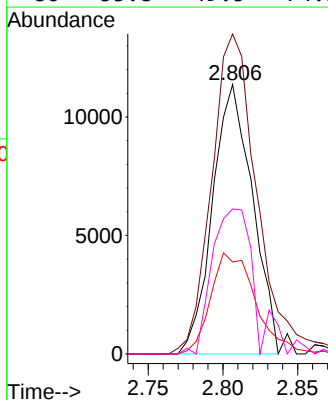
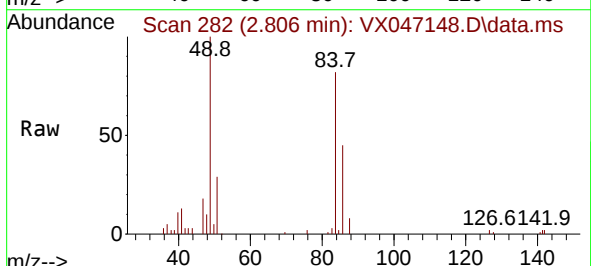
Delta R.T. 0.000 min

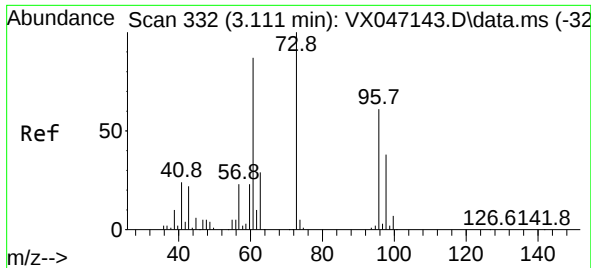
Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

Tgt Ion: 84 Resp: 21105

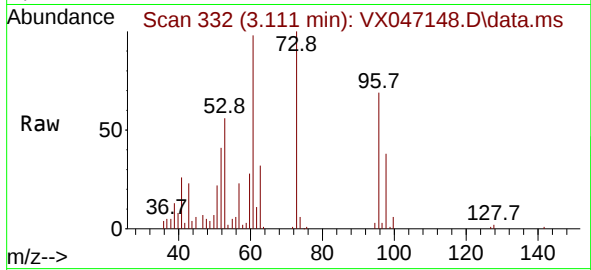
Ion	Ratio	Lower	Upper
84	100		
49	116.7	107.9	161.9
51	34.2	33.4	50.2
86	53.8	49.5	74.3





#19
trans-1,2-Dichloroethene
Concen: 4.308 ug/l m
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

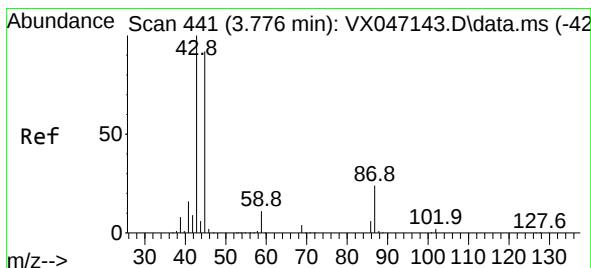
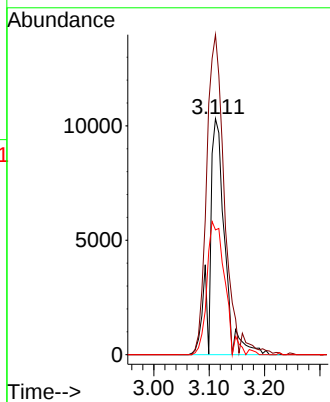
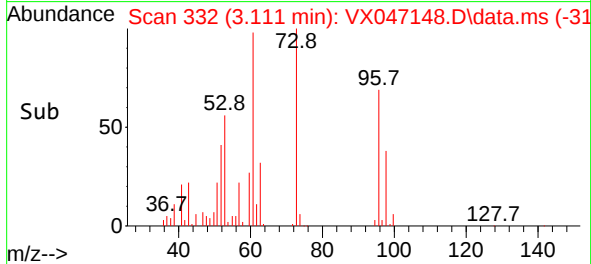
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 19420
Ion Ratio Lower Upper
96 100
61 141.4 122.3 183.5
98 55.2 50.2 75.2

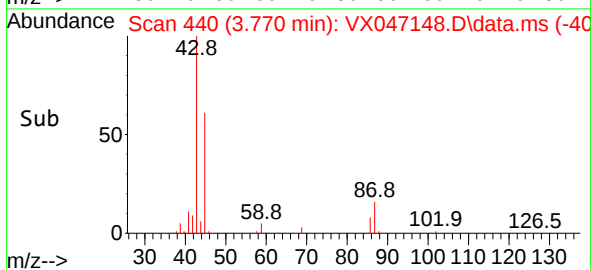
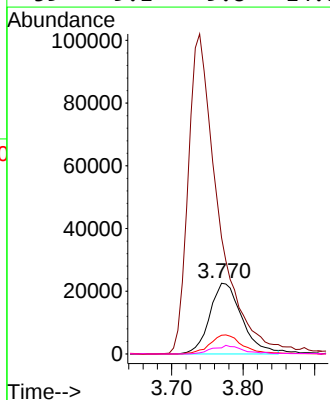
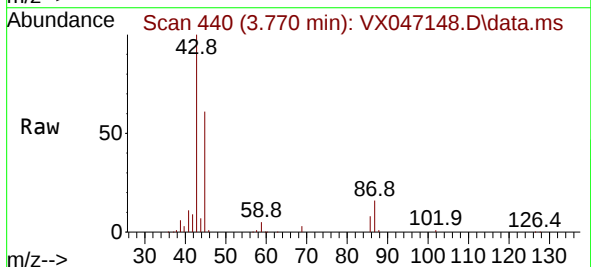
Manual Integrations
APPROVED

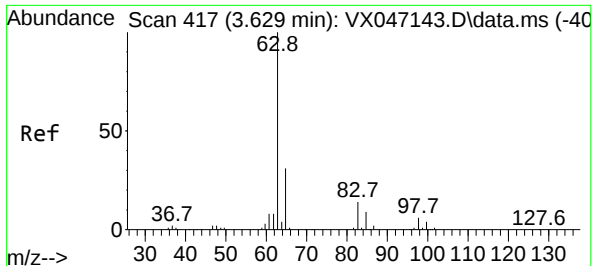
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#20
Diisopropyl ether
Concen: 4.384 ug/l
RT: 3.770 min Scan# 440
Delta R.T. -0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 45 Resp: 70513
Ion Ratio Lower Upper
45 100
43 151.2 89.1 133.7#
87 26.6 21.3 31.9
59 9.1 9.8 14.8#





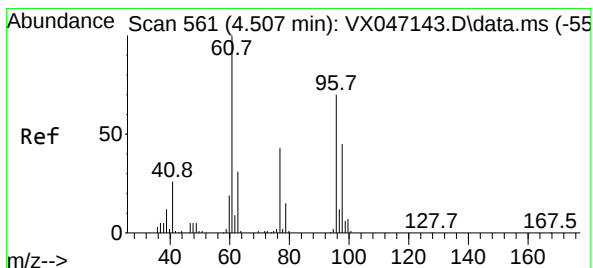
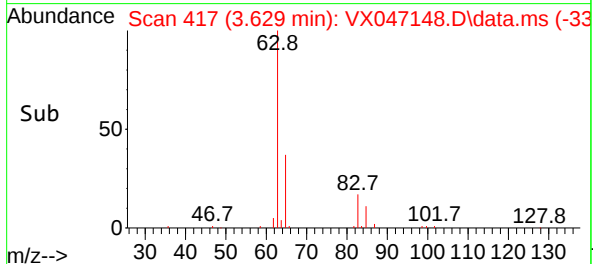
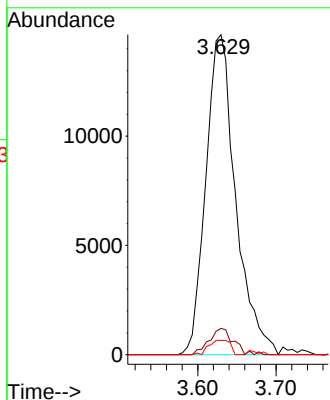
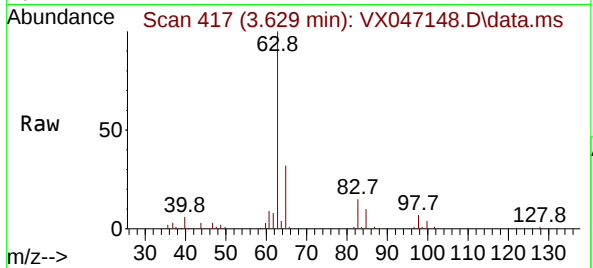
#21
1,1-Dichloroethane
Concen: 4.433 ug/l
RT: 3.629 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 38814
Ion Ratio Lower Upper
63 100
98 7.9 3.5 10.5
100 4.3 2.2 6.6

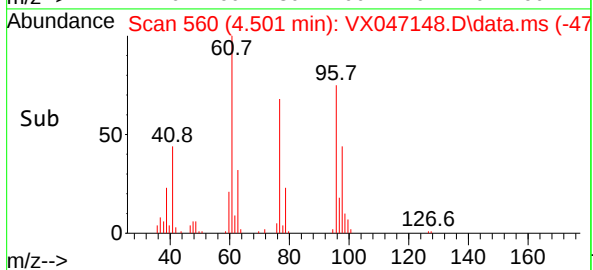
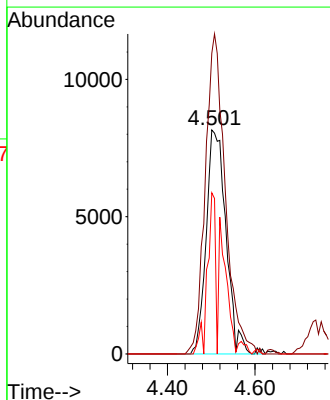
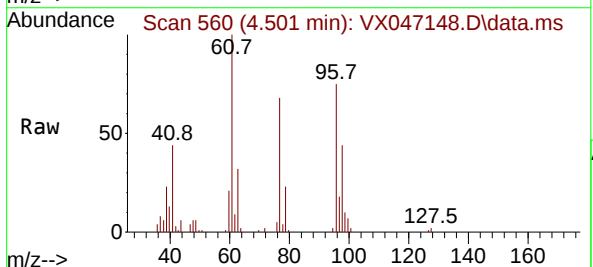
Manual Integrations
APPROVED

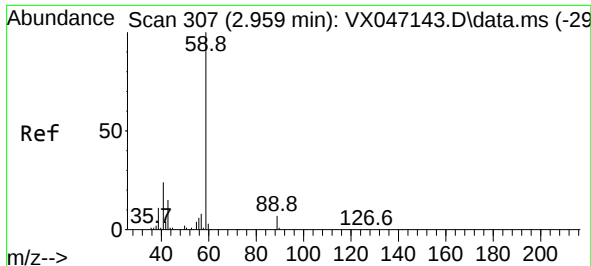
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#22
cis-1,2-Dichloroethene
Concen: 4.684 ug/l m
RT: 4.501 min Scan# 560
Delta R.T. -0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 96 Resp: 25793
Ion Ratio Lower Upper
96 100
61 143.0 120.0 180.0
98 25.7 52.8 79.2#





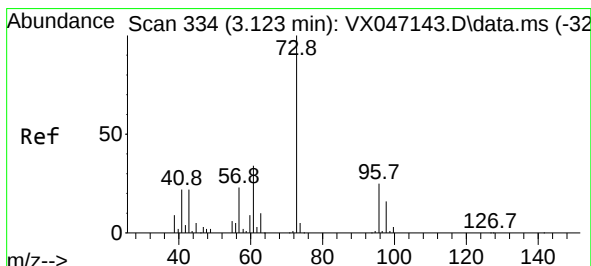
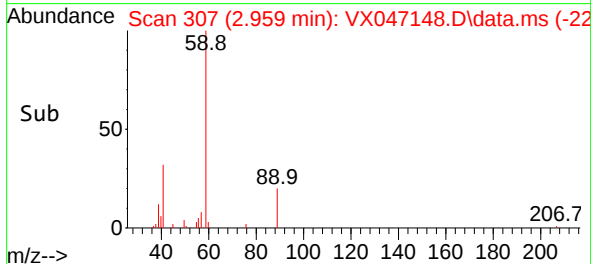
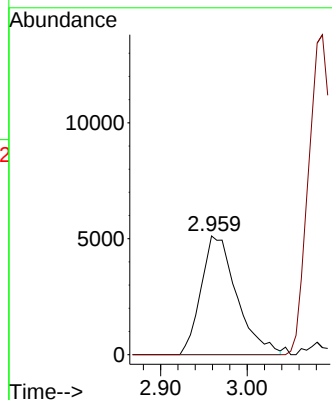
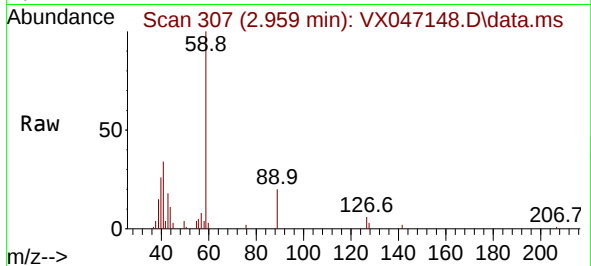
#23
tert-Butyl Alcohol
Concen: 23.356 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 1466
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2

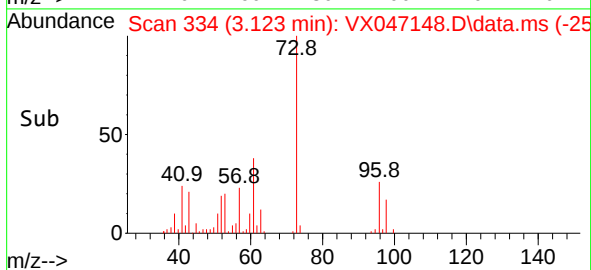
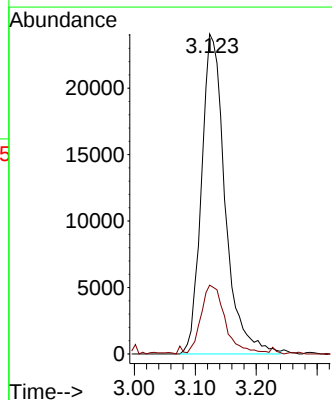
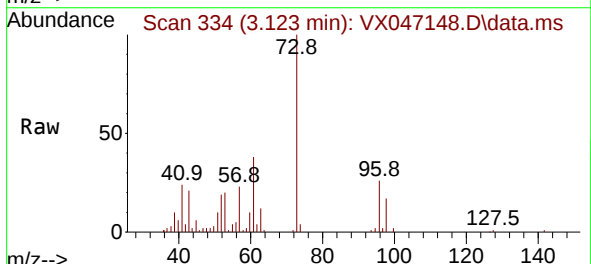
Manual Integrations
APPROVED

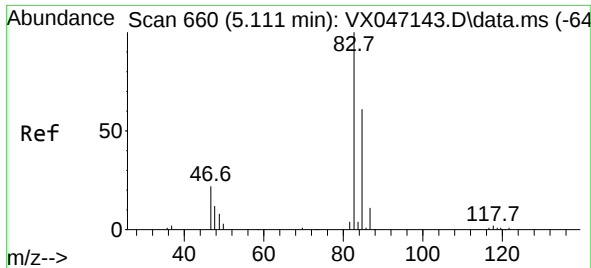
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#24
Methyl tert-Butyl Ether
Concen: 4.410 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 73 Resp: 65044
Ion Ratio Lower Upper
73 100
43 21.5 16.9 25.3





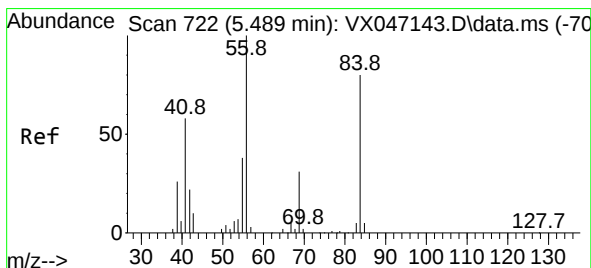
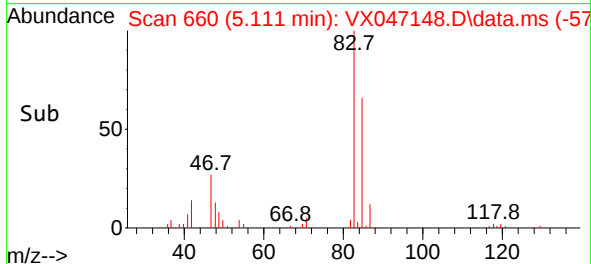
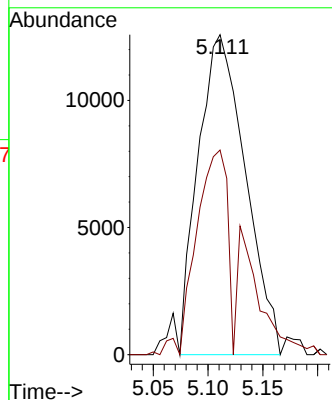
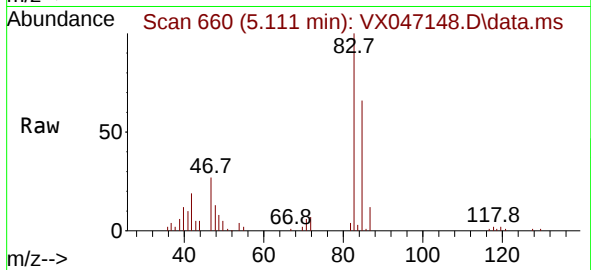
#25
Chloroform
Concen: 4.379 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 37748
Ion Ratio Lower Upper
83 100
85 64.7 48.0 72.0

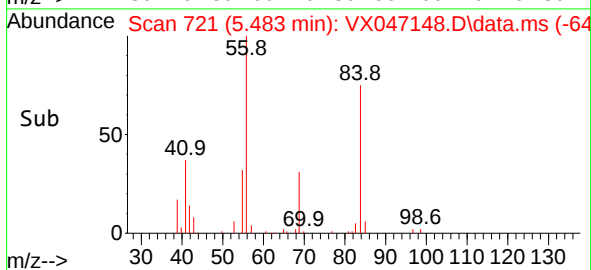
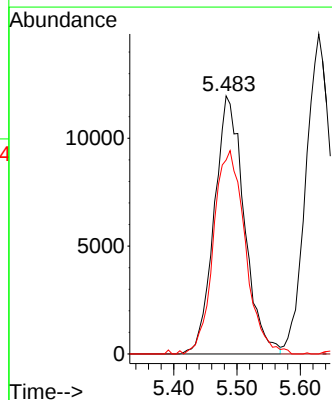
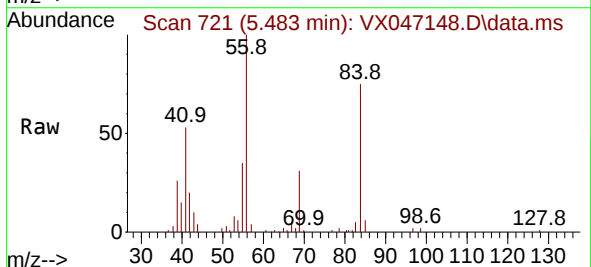
Manual Integrations
APPROVED

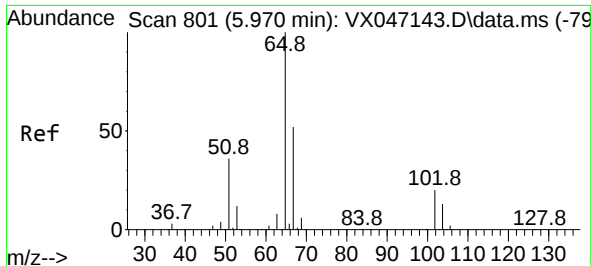
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#26
Cyclohexane
Concen: 4.614 ug/l
RT: 5.483 min Scan# 721
Delta R.T. -0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 56 Resp: 39225
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 83.6 67.9 101.9





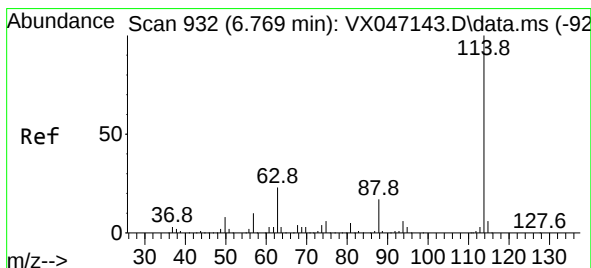
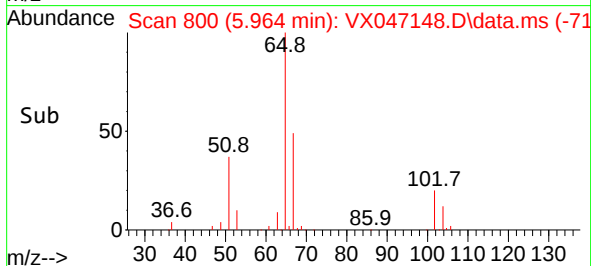
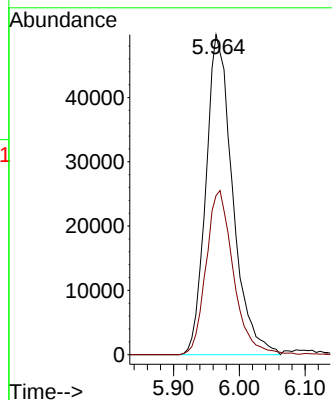
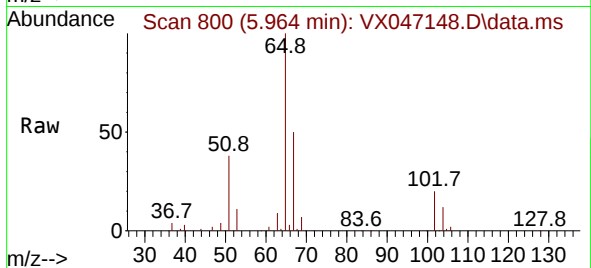
#27
1,2-Dichloroethane-d4
Concen: 25.565 ug/l
RT: 5.964 min Scan# 801
Delta R.T. -0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 65 Resp: 14053
Ion Ratio Lower Upper
65 100
67 52.3 40.7 61.1

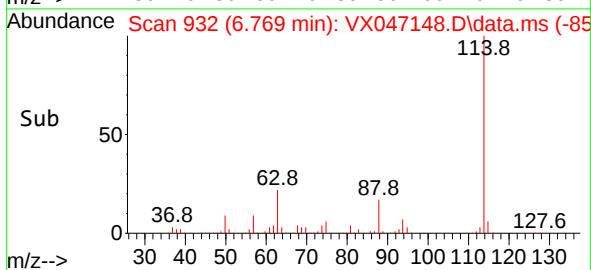
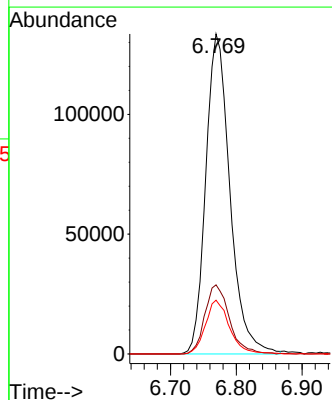
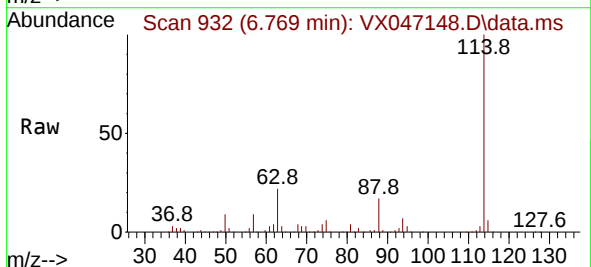
Manual Integrations
APPROVED

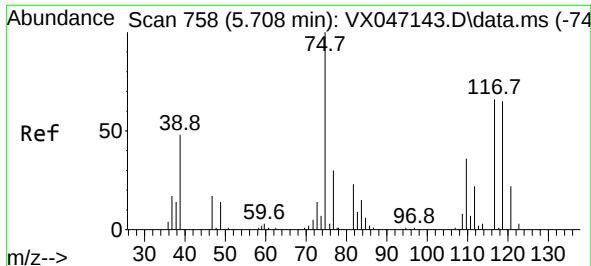
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion:114 Resp: 341989
Ion Ratio Lower Upper
114 100
63 21.9 17.4 26.0
88 16.7 13.0 19.6





#29

1,1-Dichloropropene

Concen: 5.482 ug/l

RT: 5.708 min Scan# 75

Delta R.T. 0.000 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

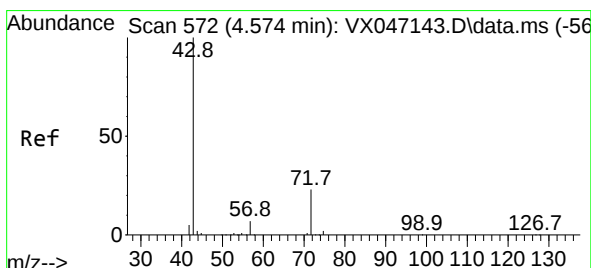
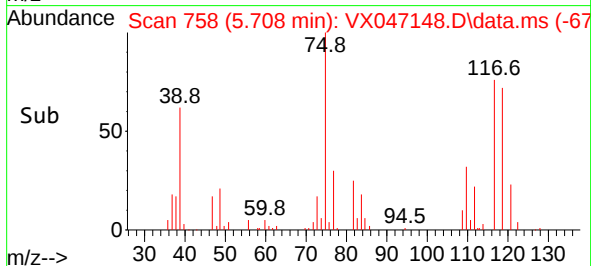
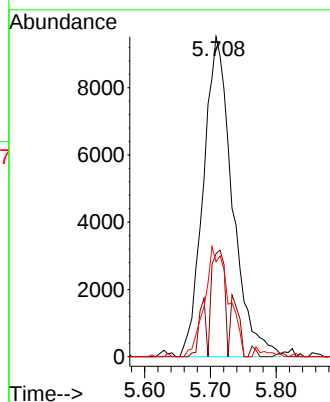
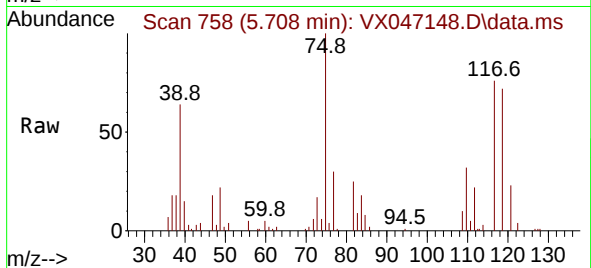
Tgt Ion:	75	Resp:	2919
Ion Ratio	Lower	Upper	
75	100		
110	14.7	0.0	70.8
77	28.4	0.0	61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#30

2-Butanone

Concen: 25.925 ug/l

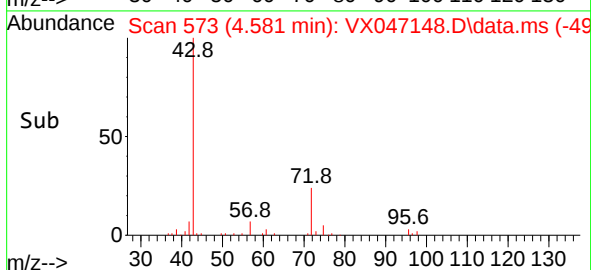
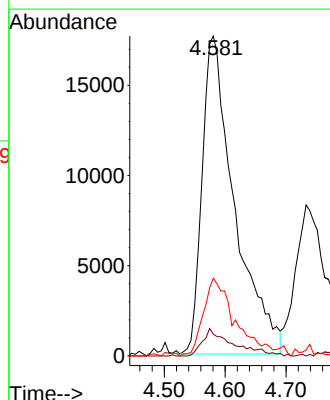
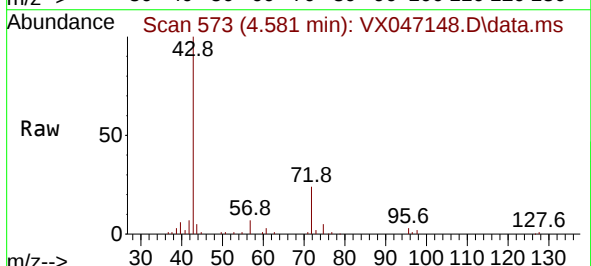
RT: 4.581 min Scan# 573

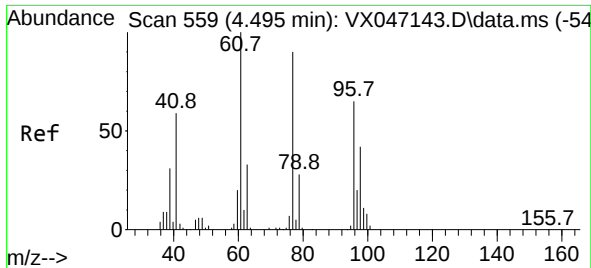
Delta R.T. 0.006 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

Tgt Ion:	43	Resp:	65225
Ion Ratio	Lower	Upper	
43	100		
57	6.2	5.9	8.9
72	17.6	20.2	30.2





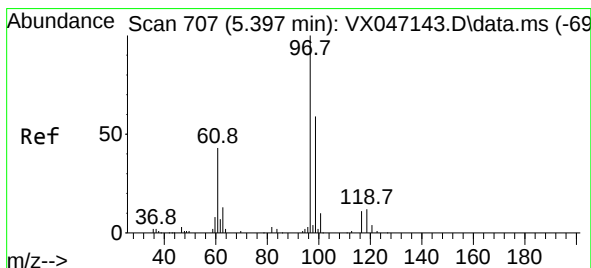
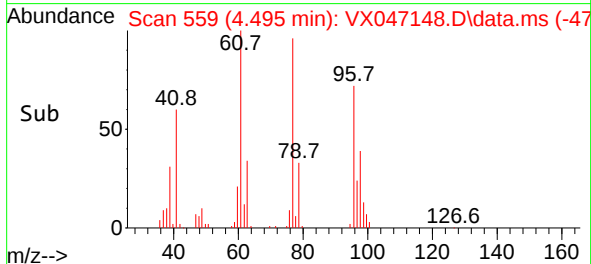
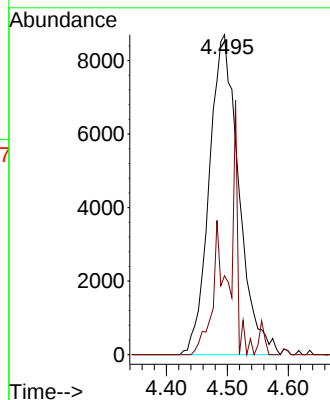
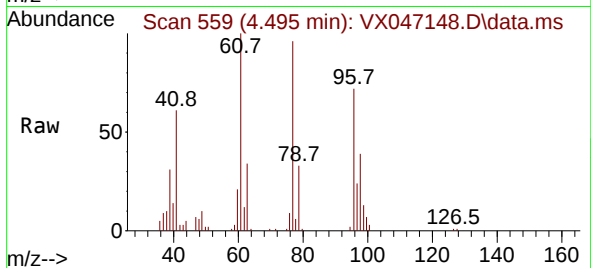
#31
2,2-Dichloropropane
Concen: 5.129 ug/l
RT: 4.495 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 77 Resp: 29330
Ion Ratio Lower Upper
77 100
97 7.1 14.5 21.7

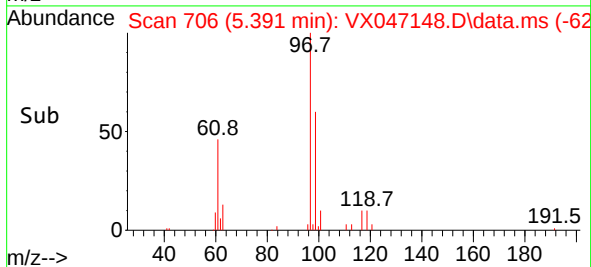
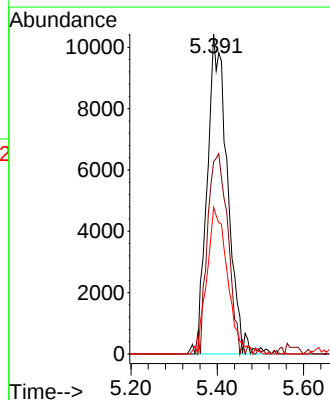
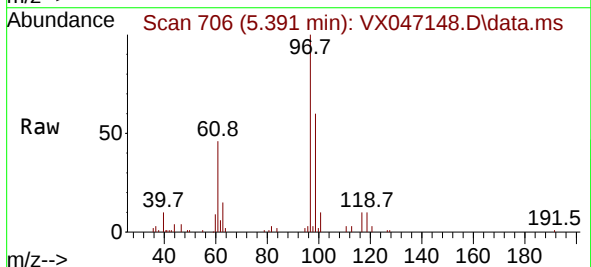
Manual Integrations
APPROVED

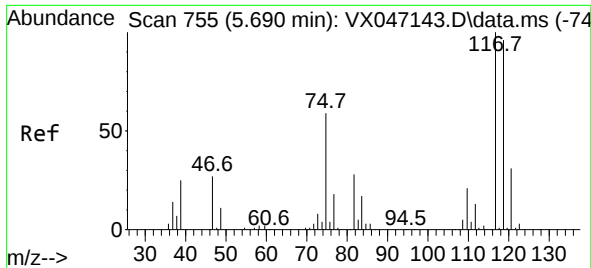
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#32
1,1,1-Trichloroethane
Concen: 5.166 ug/l m
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

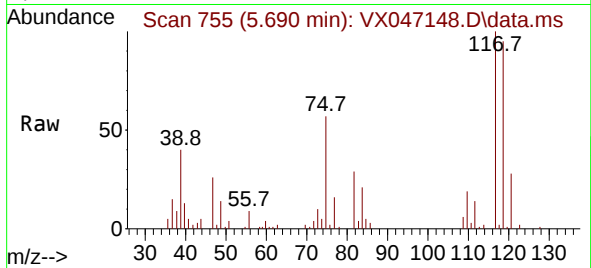
Tgt Ion: 97 Resp: 34077
Ion Ratio Lower Upper
97 100
99 61.8 30.0 45.0#
61 45.0 36.1 54.1





#33
Carbon Tetrachloride
Concen: 4.156 ug/l m
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

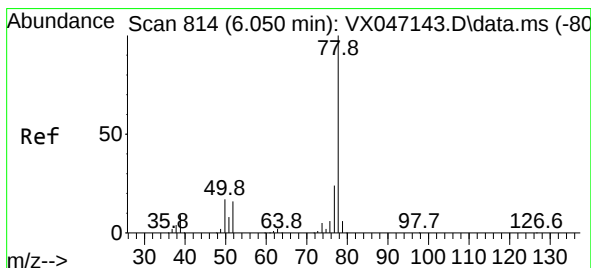
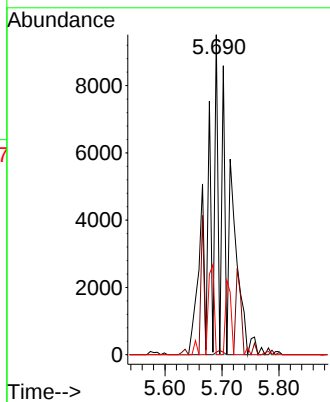
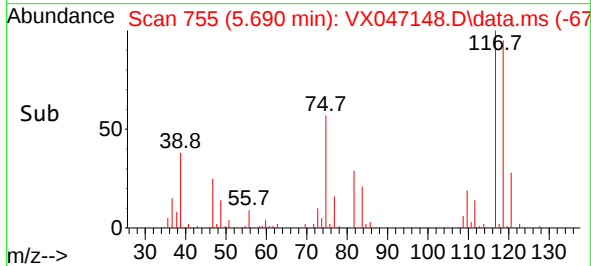
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 117 Resp: 1939
Ion Ratio Lower Upper
117 100
119 0.8 76.5 114.7
121 0.0 0.5 0.7

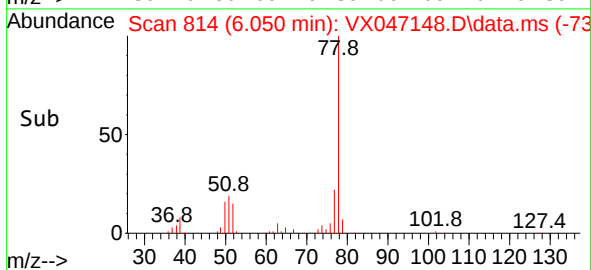
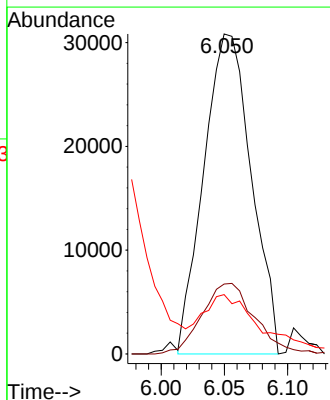
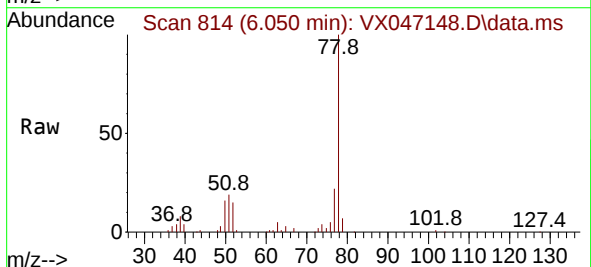
Manual Integrations
APPROVED

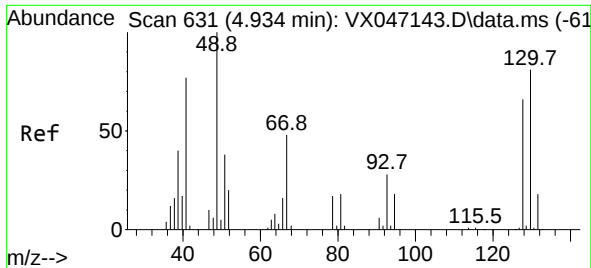
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#34
Benzene
Concen: 5.135 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 78 Resp: 80745
Ion Ratio Lower Upper
78 100
77 11.7 17.6 26.4#
51 9.4 13.8 20.6#





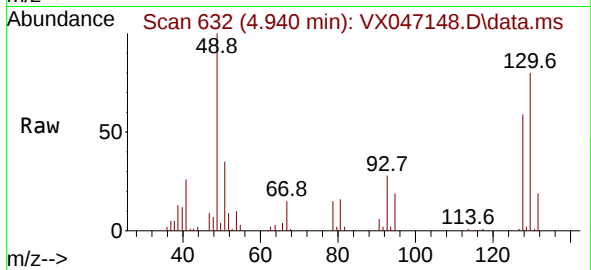
#35
Methacrylonitrile
Concen: 5.180 ug/l
RT: 4.940 min Scan# 631
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



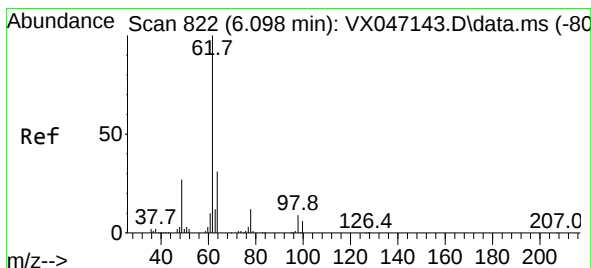
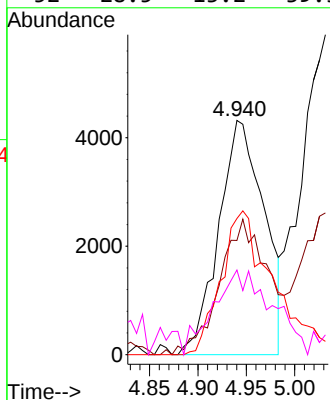
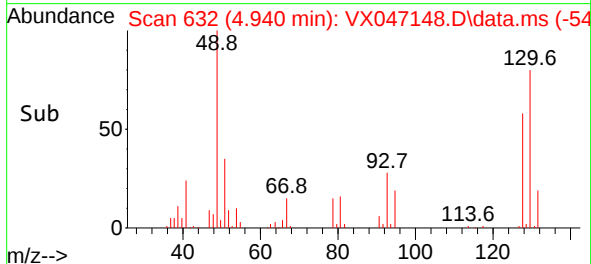
Tgt Ion: 41 Resp: 14089
Ion Ratio Lower Upper
41 100
39 23.2 26.2 78.5
67 61.9 31.4 94.3
52 28.5 13.2 39.5

Manual Integrations

APPROVED

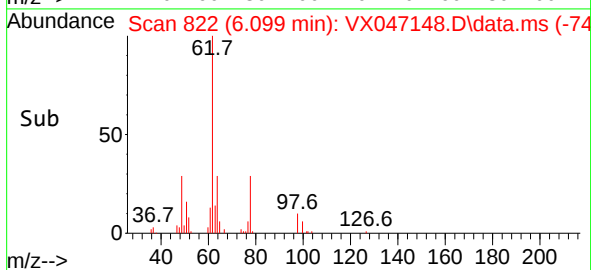
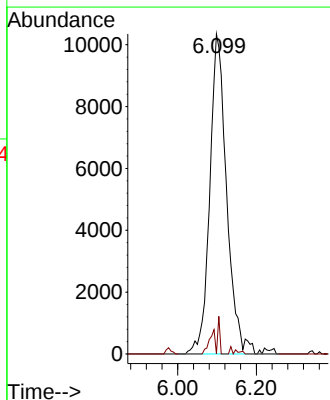
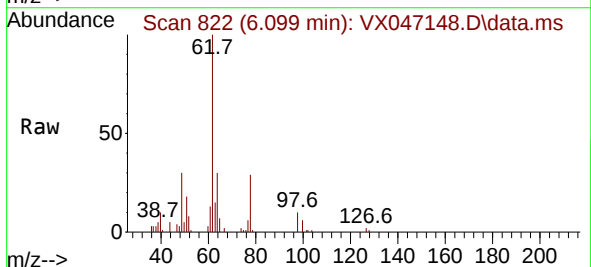
Reviewed By :John Carlone 07/28/2025

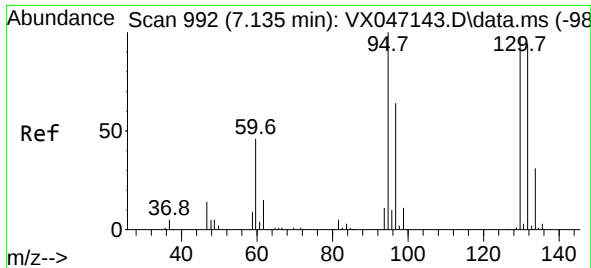
Supervised By :Mahesh Dadoda 07/28/2025



#36
1,2-Dichloroethane
Concen: 5.517 ug/l m
RT: 6.099 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 62 Resp: 31157
Ion Ratio Lower Upper
62 100
98 0.2 6.7 10.1#





#37
Trichloroethene
Concen: 5.047 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

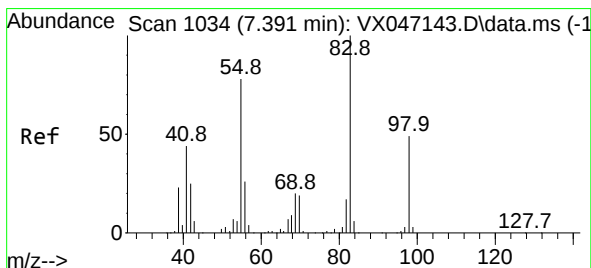
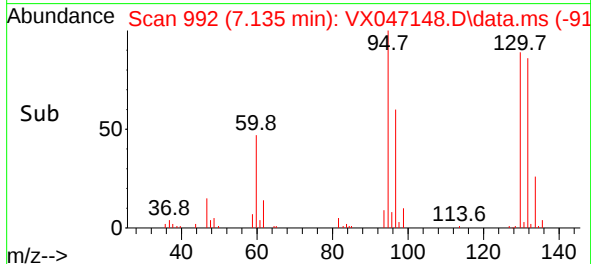
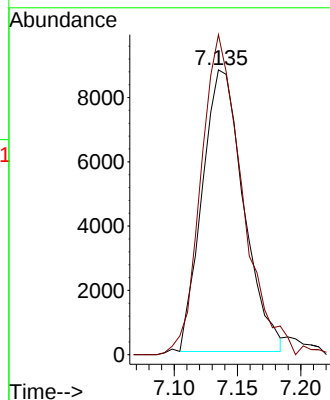
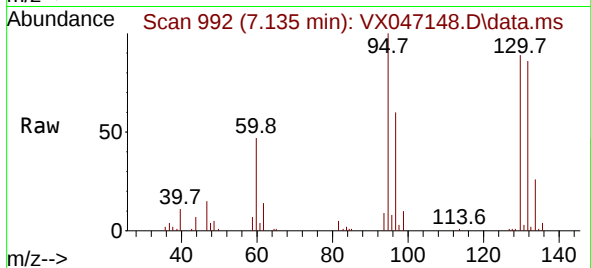
VSTDIC005

Tgt Ion:130 Resp: 1997
Ion Ratio Lower Upper
130 100
95 106.9 79.4 119.2

Manual Integrations

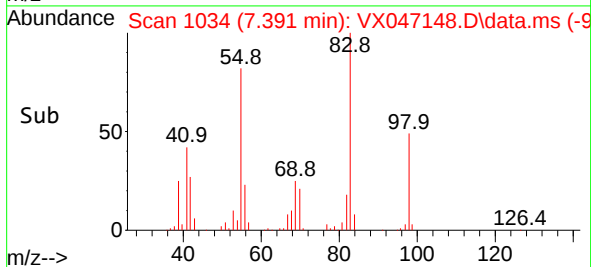
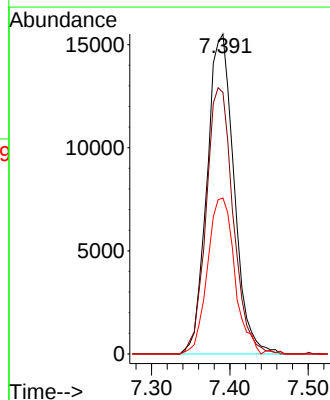
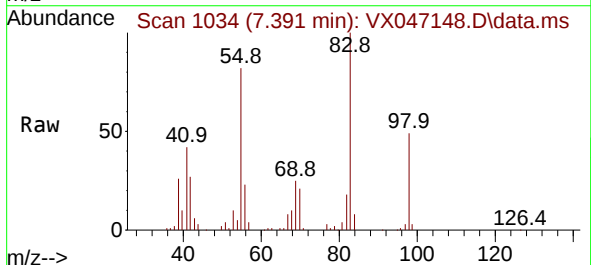
APPROVED

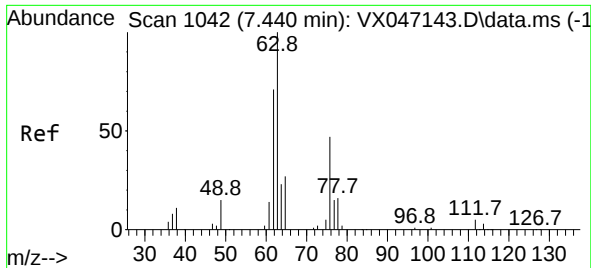
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#38
Methylcyclohexane
Concen: 5.420 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 83 Resp: 37221
Ion Ratio Lower Upper
83 100
55 83.1 40.3 120.8
98 49.0 24.3 72.9





#39

1,2-Dichloropropane

Concen: 5.335 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 2150

Ion Ratio Lower Upper

63 100

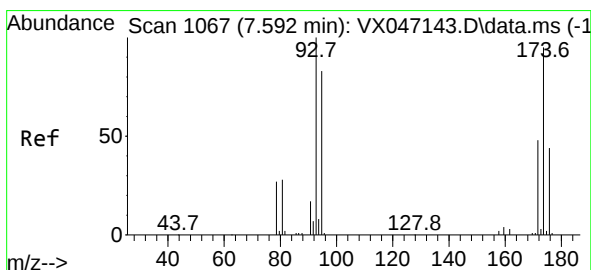
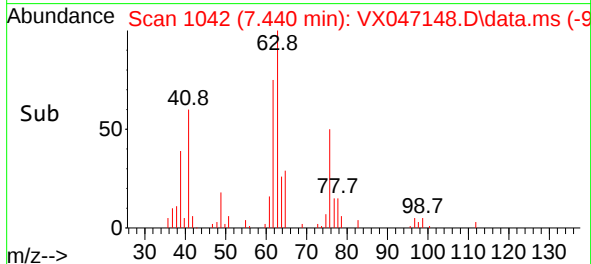
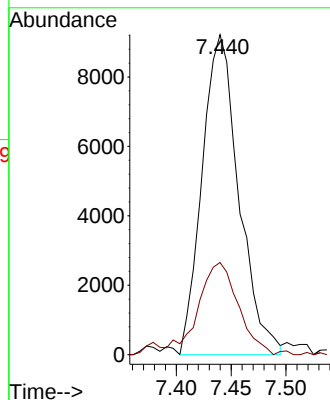
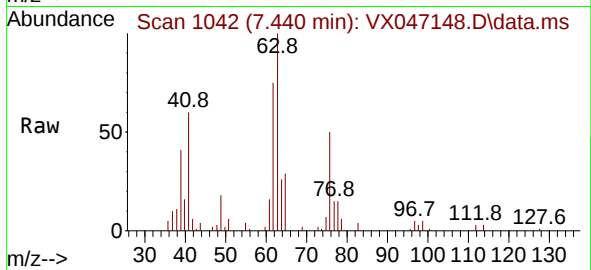
65 28.0 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#40

Dibromomethane

Concen: 5.049 ug/l m

RT: 7.598 min Scan# 1068

Delta R.T. 0.006 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

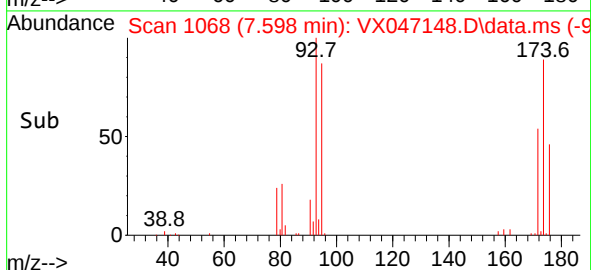
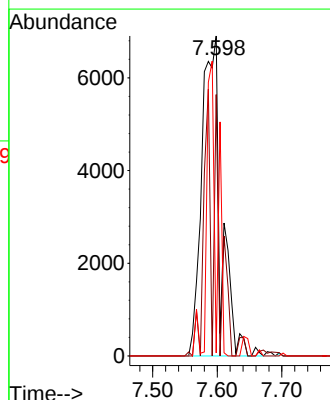
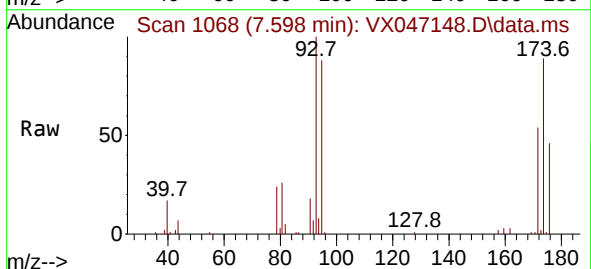
Tgt Ion: 93 Resp: 14200

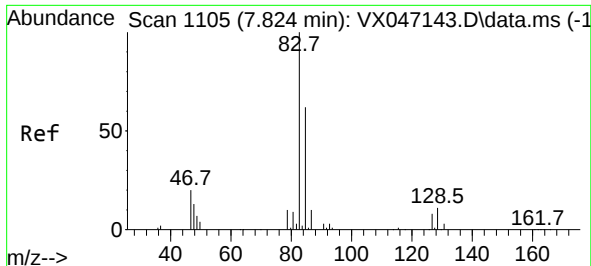
Ion Ratio Lower Upper

93 100

95 14.5 0.0 166.2

174 32.0 0.0 26.4





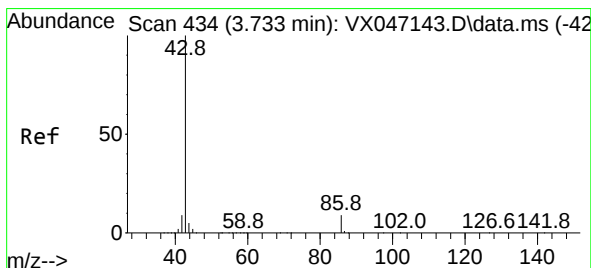
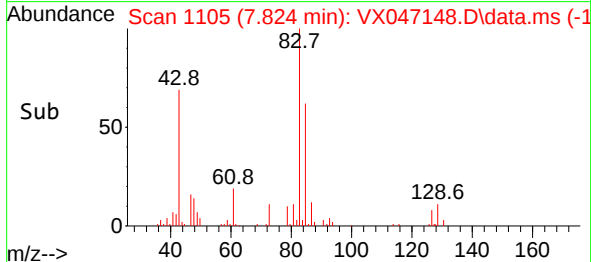
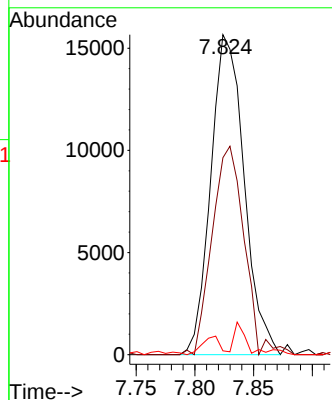
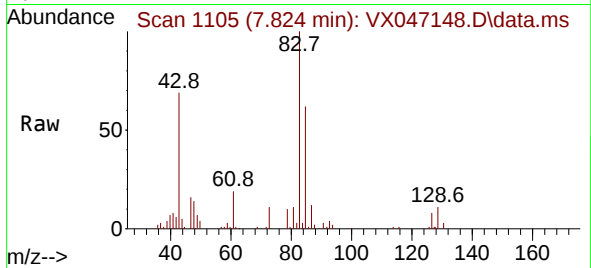
#41
Bromodichloromethane
Concen: 5.259 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 3094
Ion Ratio Lower Upper
83 100
85 60.8 47.2 70.8
127 1.8 7.1 10.7

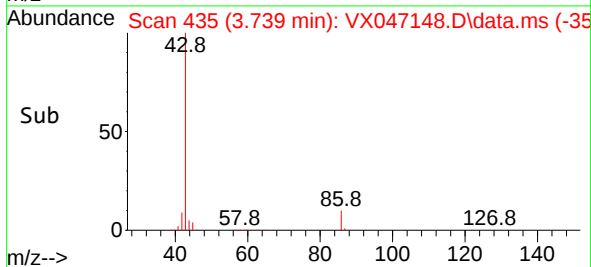
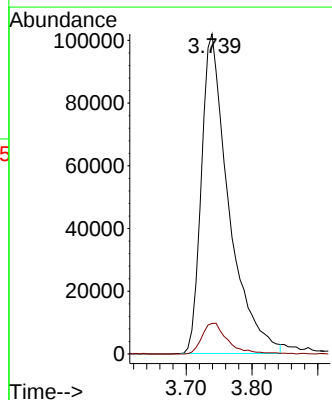
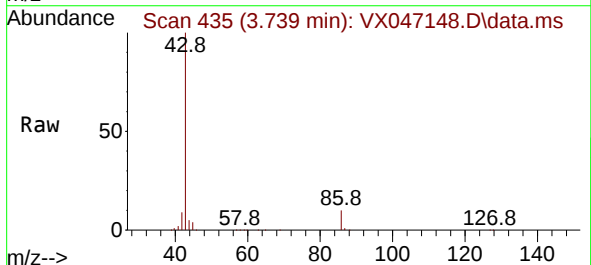
Manual Integrations
APPROVED

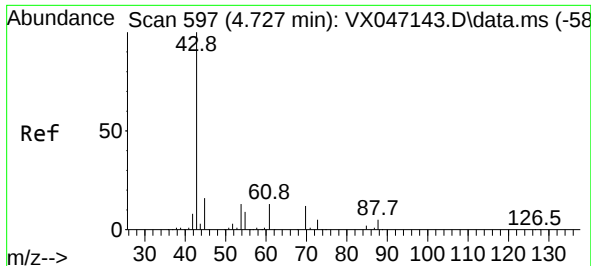
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#42
Vinyl Acetate
Concen: 25.481 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 43 Resp: 294710
Ion Ratio Lower Upper
43 100
86 8.9 6.9 10.3





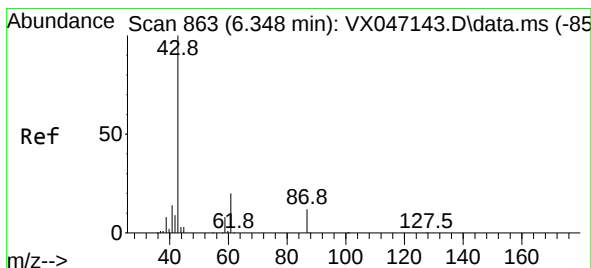
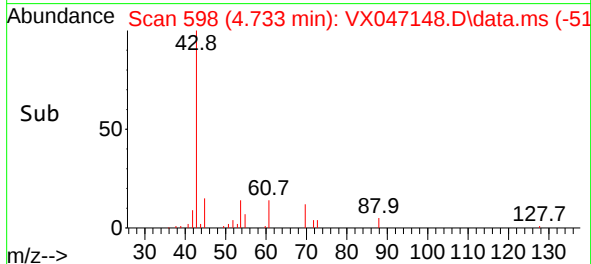
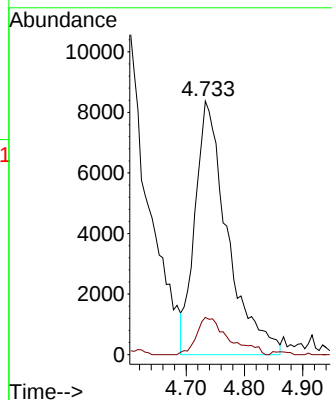
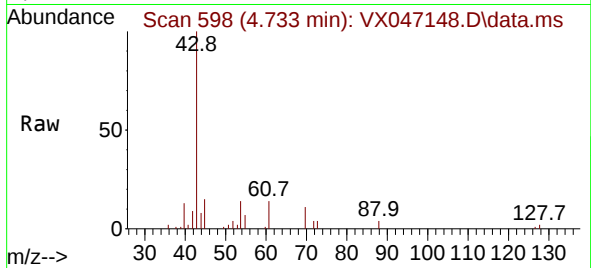
#43
Ethyl Acetate
Concen: 5.646 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
45 11.9 10.6 16.0

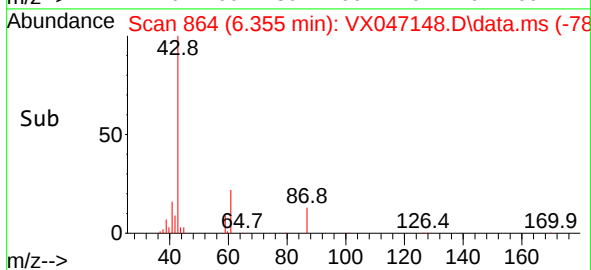
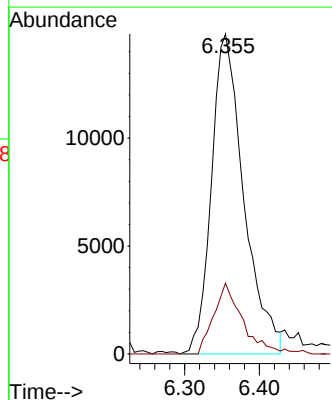
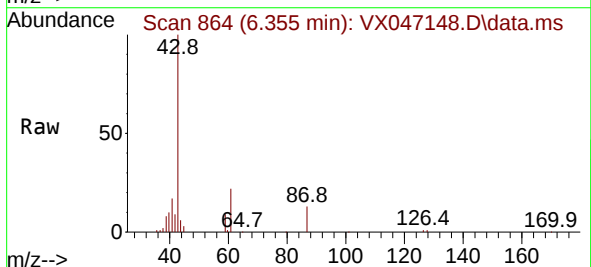
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APPROVED

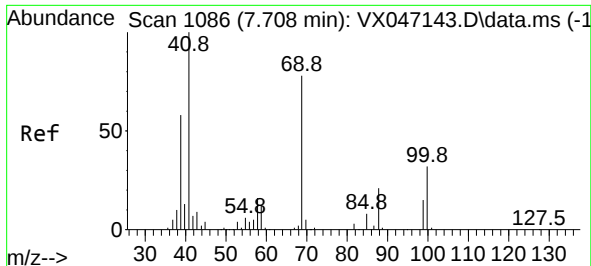
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#44
Isopropyl Acetate
Concen: 4.948 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

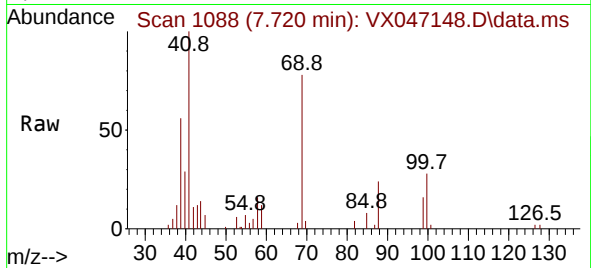
Tgt Ion: 43 Resp: 44663
Ion Ratio Lower Upper
43 100
61 19.3 14.7 22.1





#45
1,4-Dioxane
Concen: 115.439 ug/l m
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

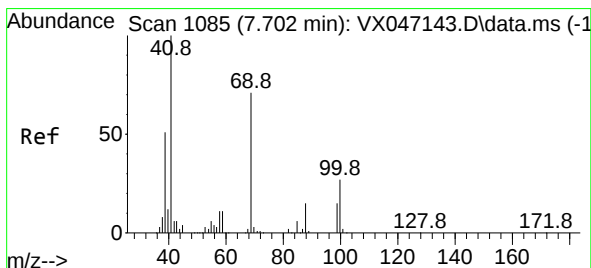
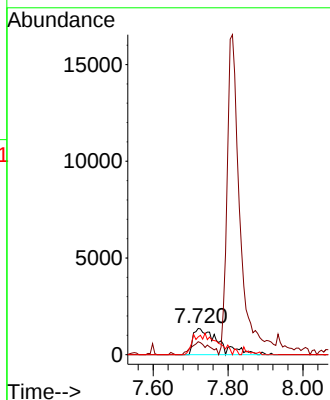
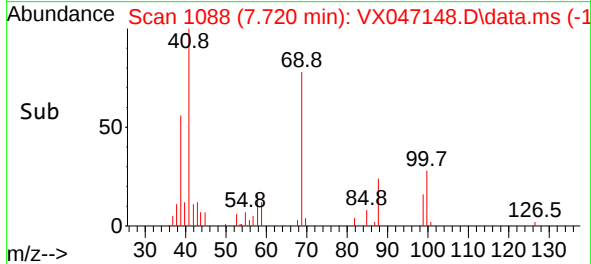
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 88 Resp: 6512
Ion Ratio Lower Upper
88 100
43 23.6 30.2 45.2
58 6.8 33.3 49.9

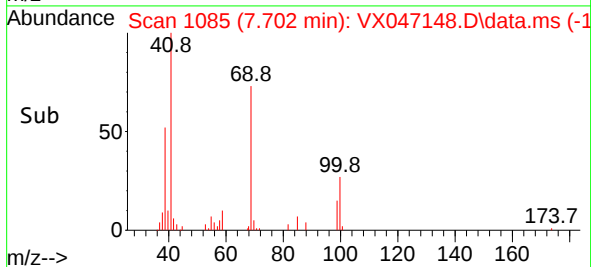
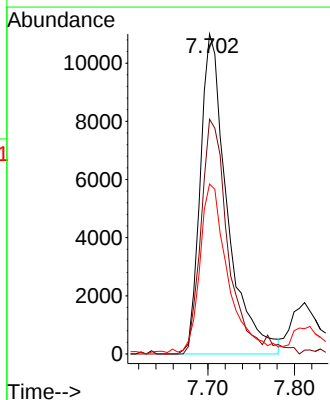
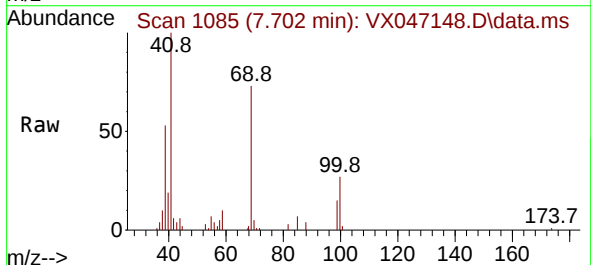
Manual Integrations
APPROVED

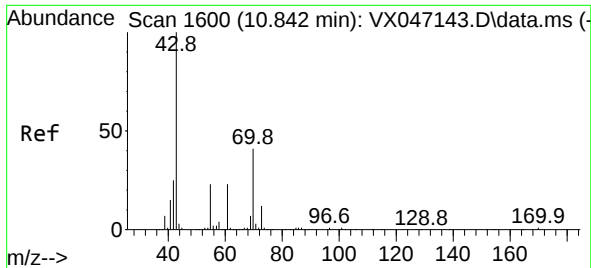
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#46
Methyl methacrylate
Concen: 5.146 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

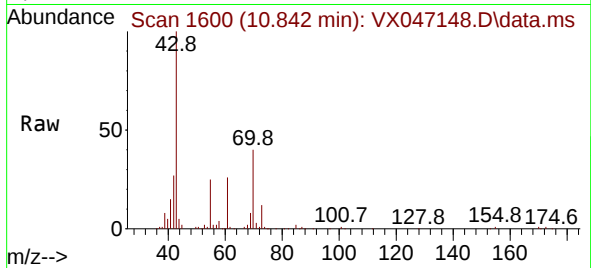
Tgt Ion: 41 Resp: 23834
Ion Ratio Lower Upper
41 100
69 69.4 35.8 107.3
39 40.1 24.4 73.4





#47
n-amyl acetate
Concen: 5.128 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

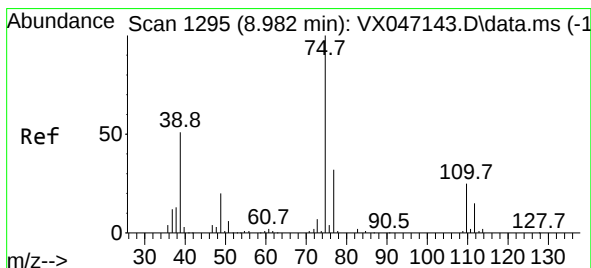
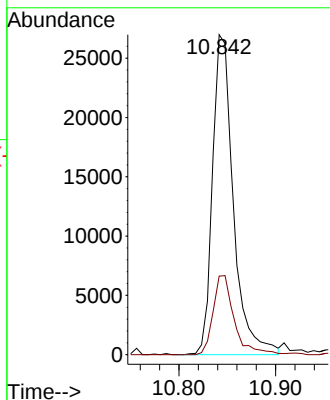
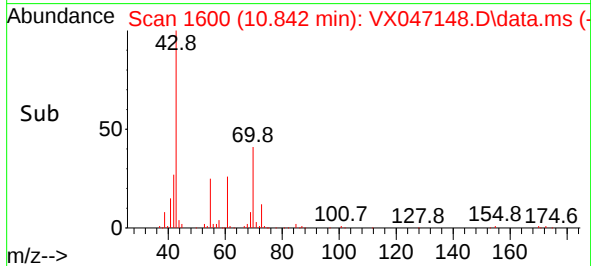
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 40470
Ion Ratio Lower Upper
43 100
55 24.9 18.4 27.6

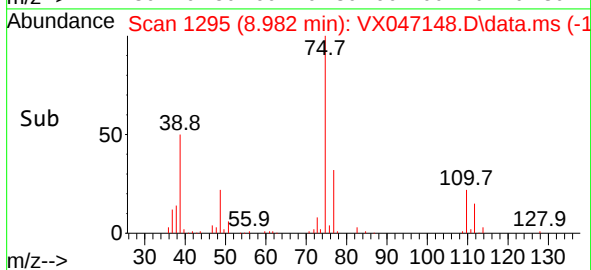
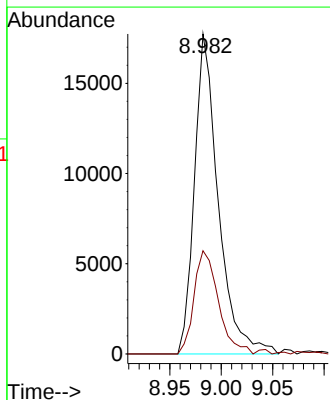
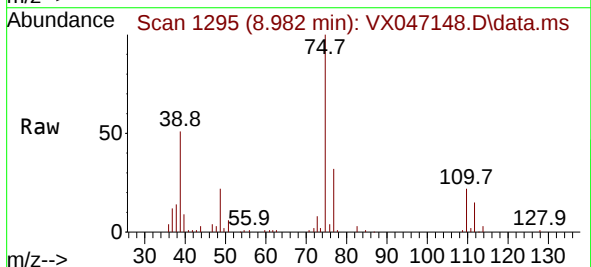
Manual Integrations
APPROVED

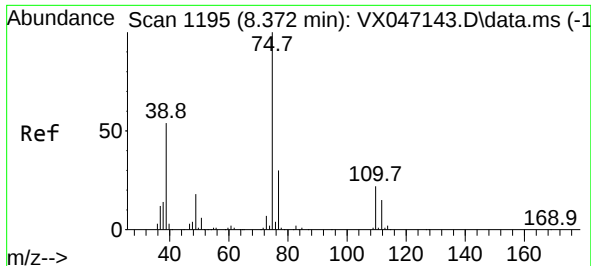
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#48
t-1,3-Dichloropropene
Concen: 5.032 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 75 Resp: 28619
Ion Ratio Lower Upper
75 100
77 33.6 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 5.192 ug/l

RT: 8.373 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

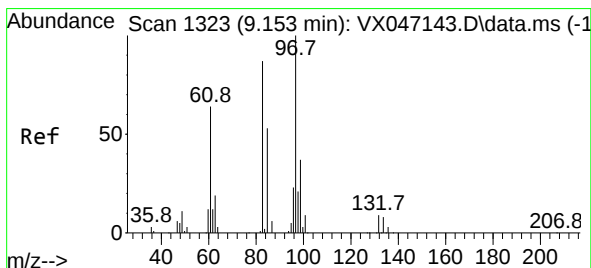
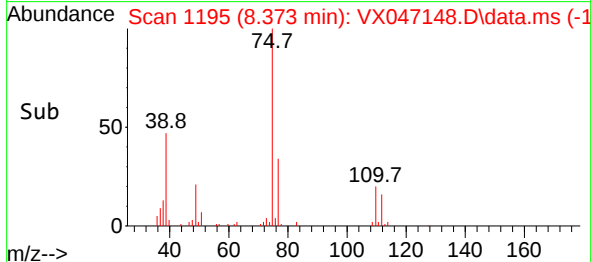
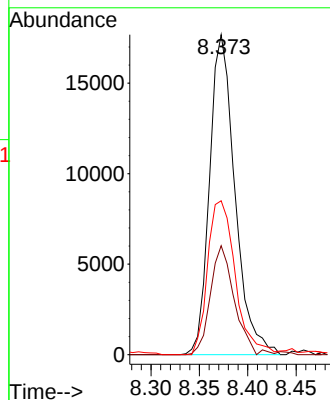
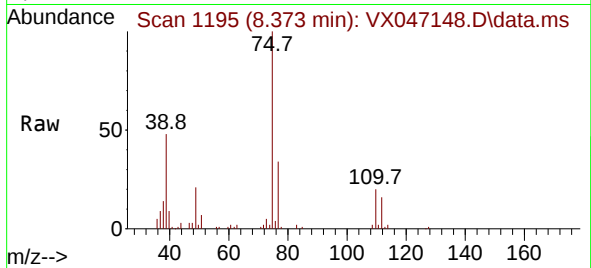
Tgt Ion:	75	Resp:	3230
Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.1	37.7
39	46.0	42.7	64.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#50

1,1,2-Trichloroethane

Concen: 5.410 ug/l

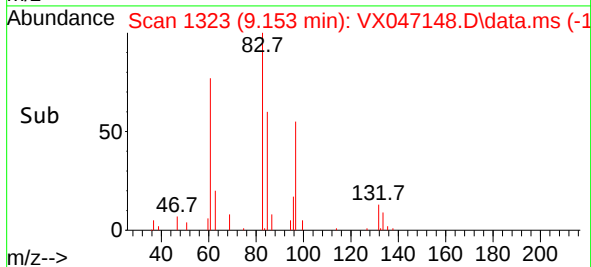
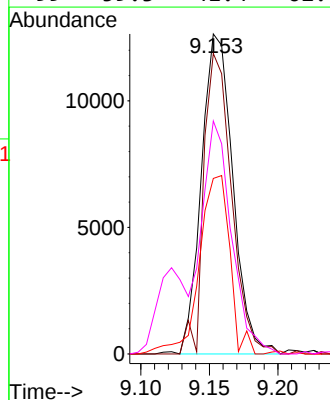
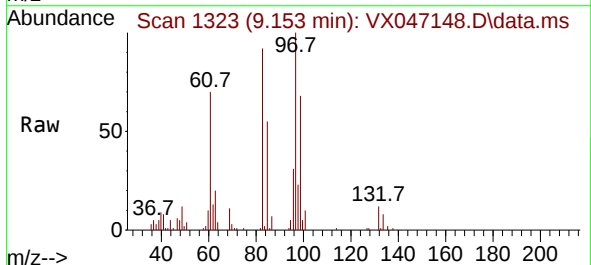
RT: 9.153 min Scan# 1323

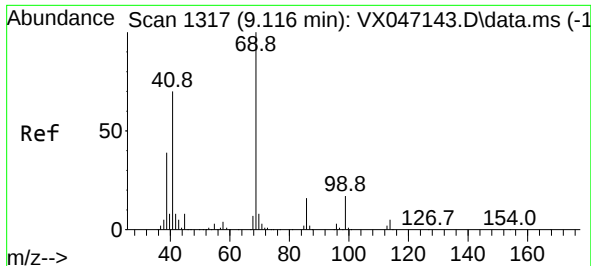
Delta R.T. 0.000 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

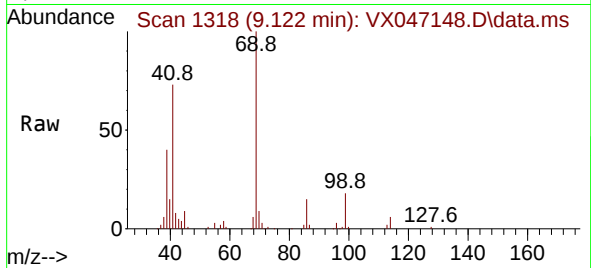
Tgt Ion:	97	Resp:	20233
Ion	Ratio	Lower	Upper
97	100		
83	76.5	58.3	87.5
85	43.9	36.5	54.7
99	59.3	41.4	62.0





#51
Ethyl methacrylate
Concen: 4.947 ug/l
RT: 9.122 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

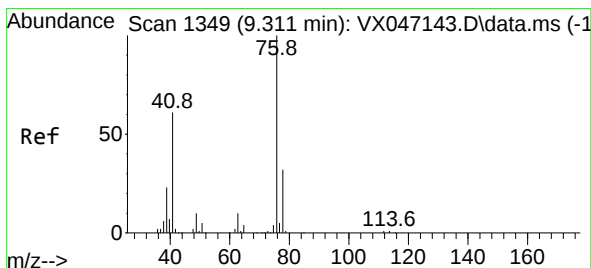
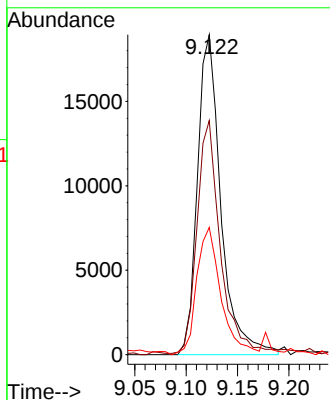
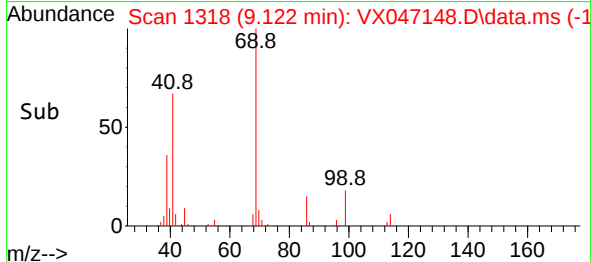
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 69 Resp: 30162
Ion Ratio Lower Upper
69 100
41 72.4 35.0 105.1
39 33.4 19.5 58.5

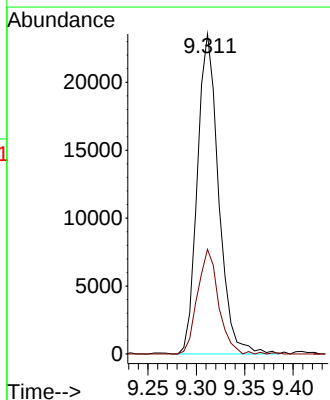
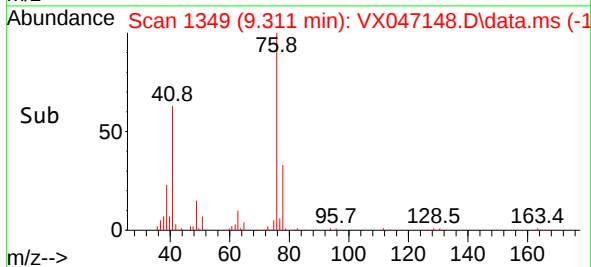
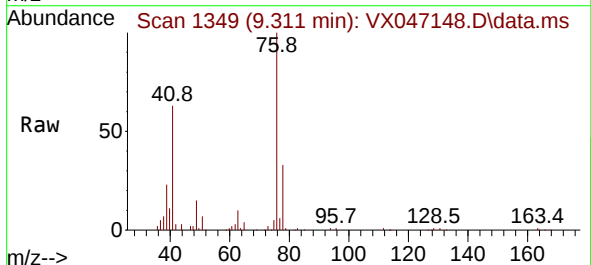
Manual Integrations
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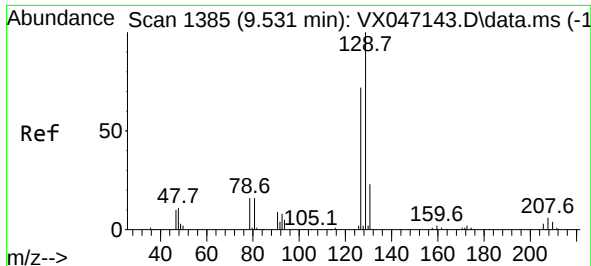
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#52
1,3-Dichloropropane
Concen: 5.564 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

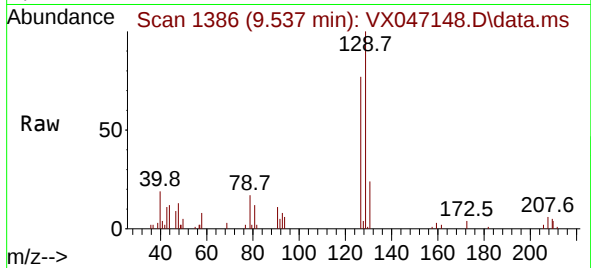
Tgt Ion: 76 Resp: 36103
Ion Ratio Lower Upper
76 100
78 31.9 0.0 63.6





#53
Dibromochloromethane
Concen: 3.104 ug/l m
RT: 9.537 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

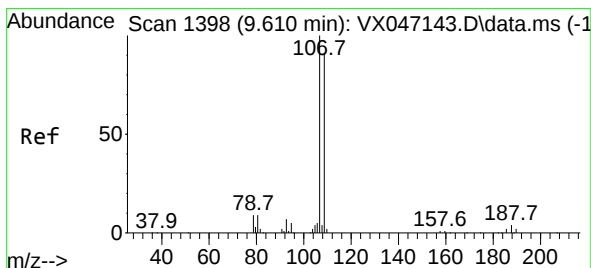
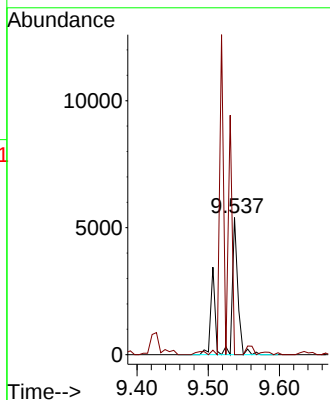
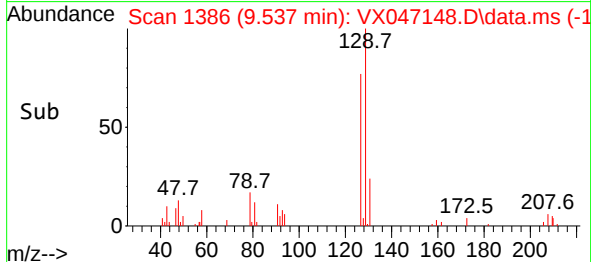
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:129 Resp: 426
Ion Ratio Lower Upper
129 100
127 81.0 125.0 374.9

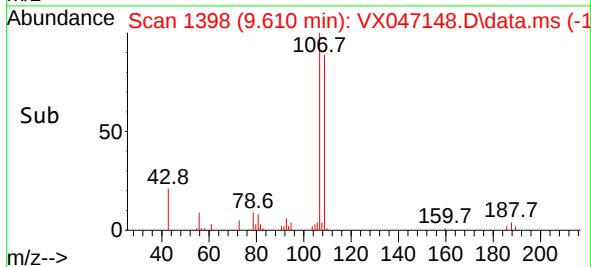
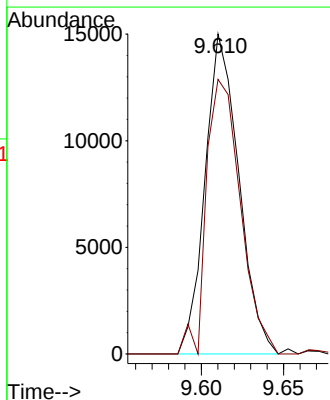
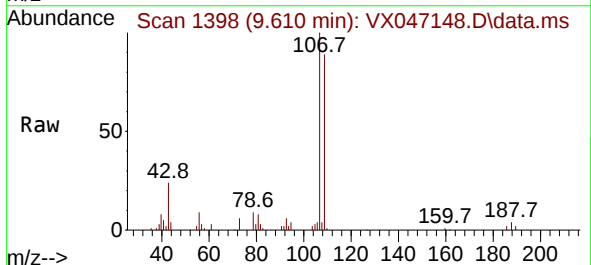
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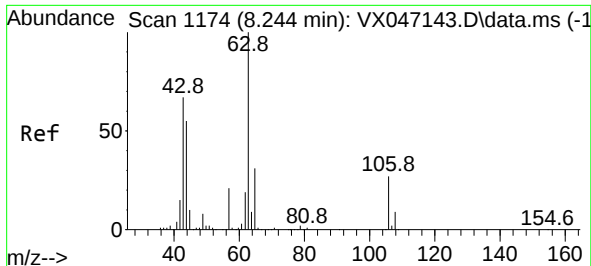
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#54
1,2-Dibromoethane
Concen: 5.471 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion:107 Resp: 21419
Ion Ratio Lower Upper
107 100
109 84.2 74.0 111.0





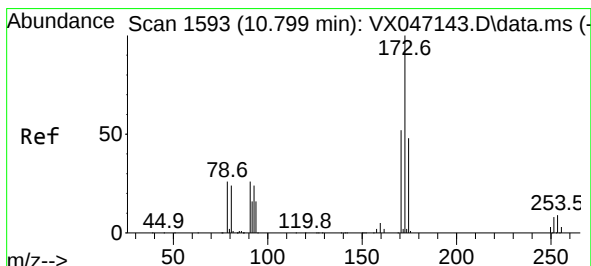
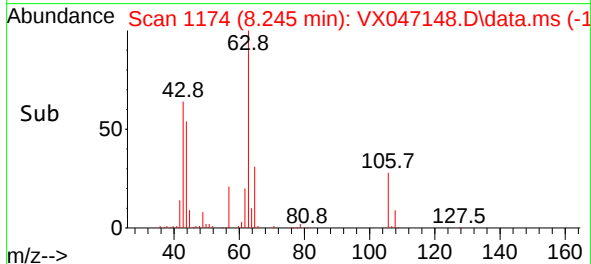
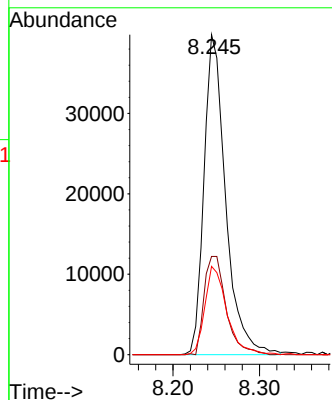
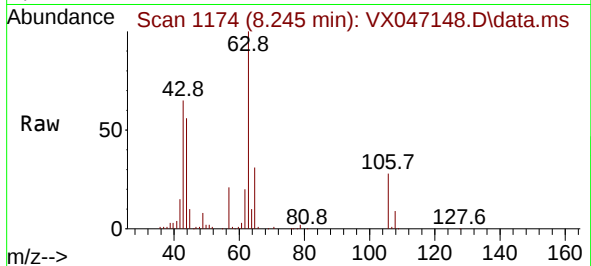
#55
2-Chloroethyl vinyl ether
Concen: 23.243 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 69100
Ion Ratio Lower Upper
63 100
65 31.1 25.8 38.6
106 27.9 22.1 33.1

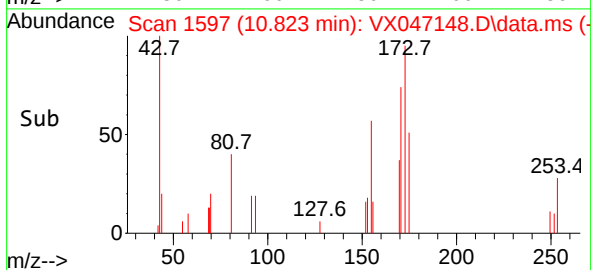
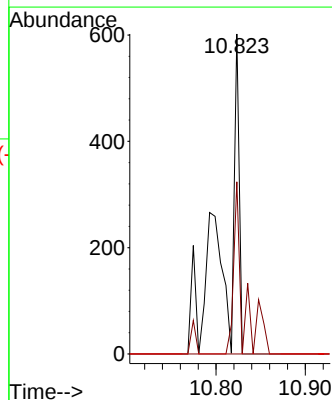
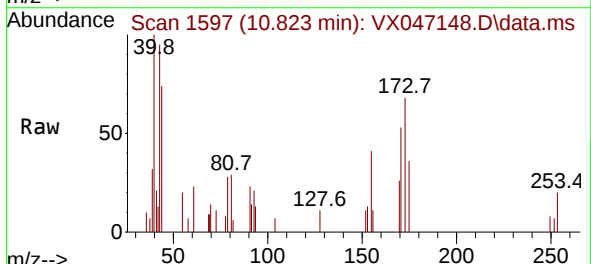
Manual Integrations
APPROVED

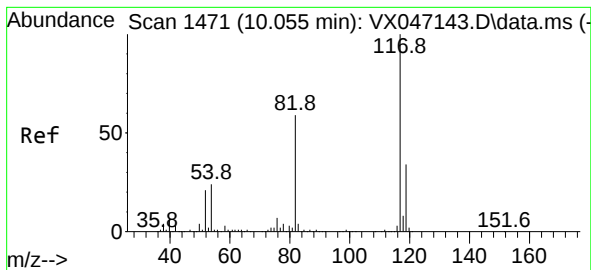
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#56
Bromoform
Concen: 11.356 ug/l m
RT: 10.823 min Scan# 1597
Delta R.T. 0.024 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

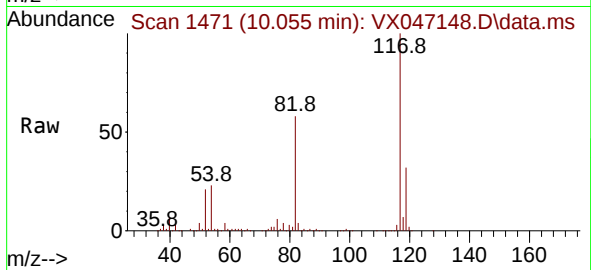
Tgt Ion:173 Resp: 632
Ion Ratio Lower Upper
173 100
175 0.0 2.6 3.8#
254 0.0 2.2 3.2#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

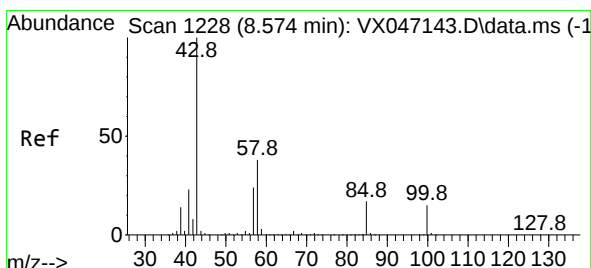
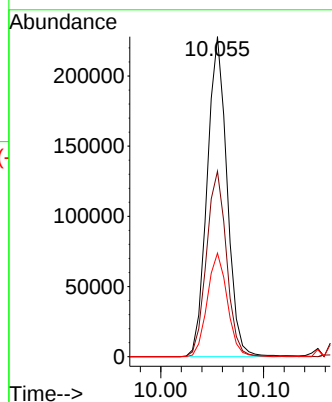
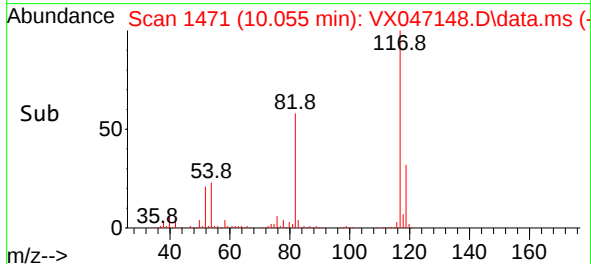
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 117 Resp: 307023
Ion Ratio Lower Upper
117 100
82 58.4 46.0 69.0
119 32.6 25.8 38.8

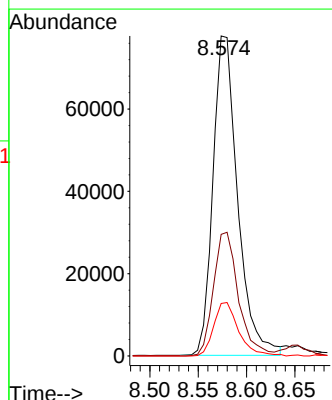
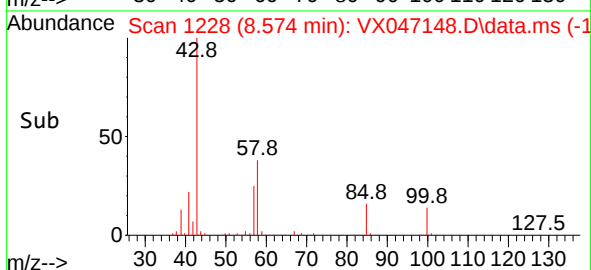
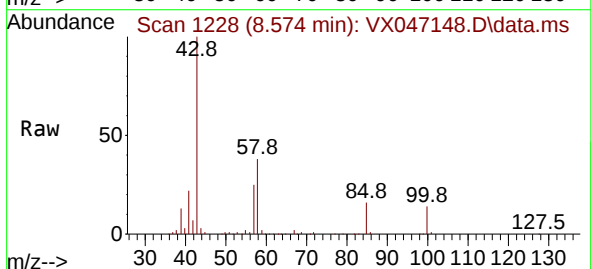
Manual Integrations
APPROVED

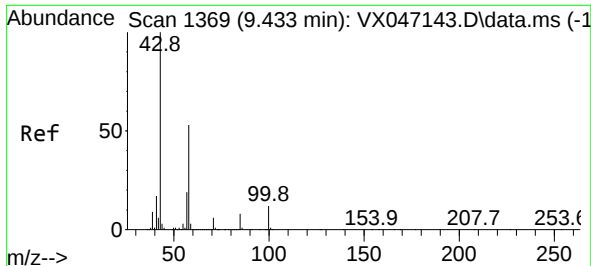
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#58
4-Methyl-2-Pentanone
Concen: 25.773 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

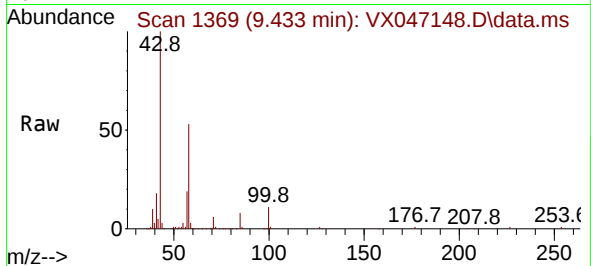
Tgt Ion: 43 Resp: 138064
Ion Ratio Lower Upper
43 100
58 39.1 30.6 45.8
85 16.8 13.4 20.2





#59
2-Hexanone
Concen: 26.366 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

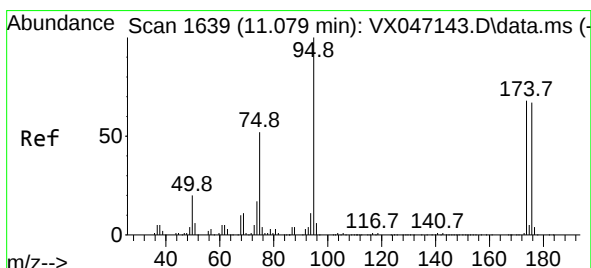
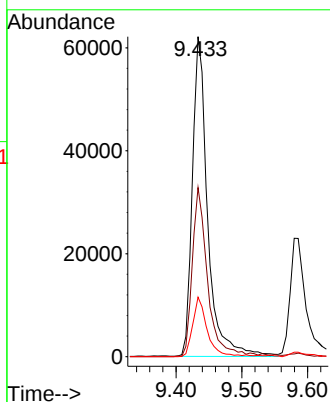
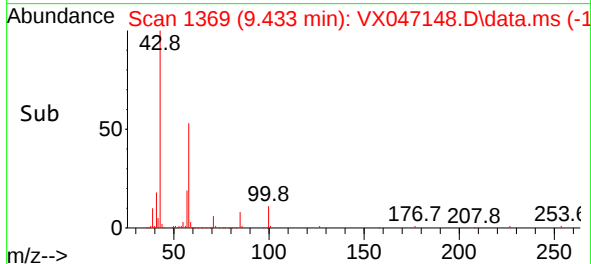
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 99914
Ion Ratio Lower Upper
43 100
58 52.2 42.0 63.0
57 17.5 14.6 21.8

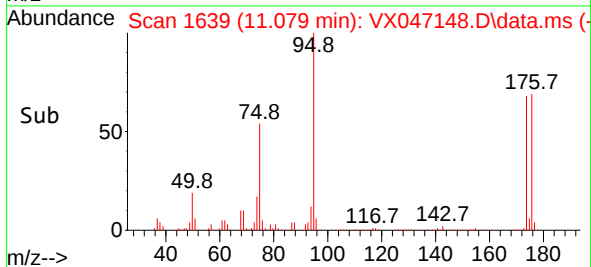
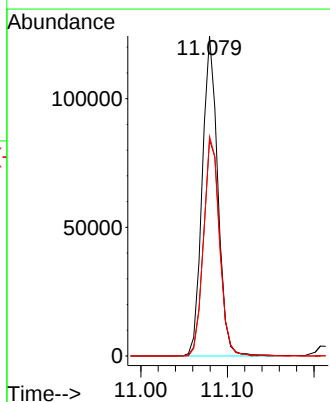
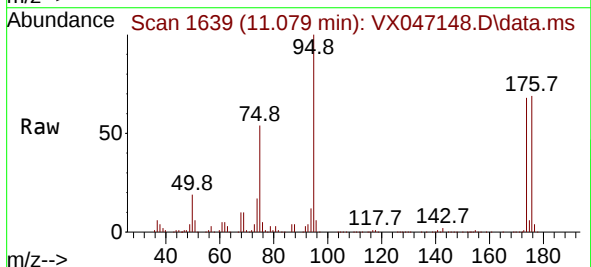
Manual Integrations
APPROVED

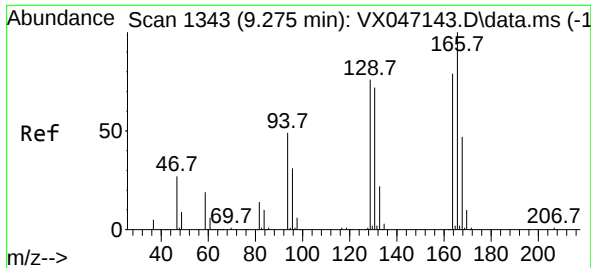
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#60
4-Bromofluorobenzene
Concen: 30.917 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

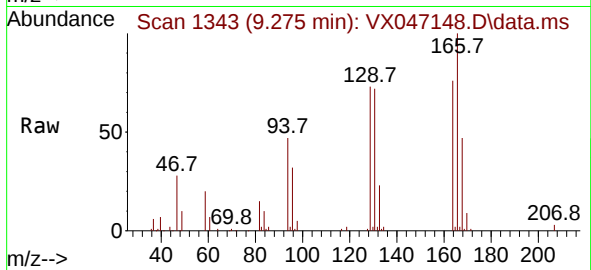
Tgt Ion: 95 Resp: 154669
Ion Ratio Lower Upper
95 100
174 70.4 57.5 86.3
176 69.8 56.4 84.6





#61
Tetrachloroethene
Concen: 5.541 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

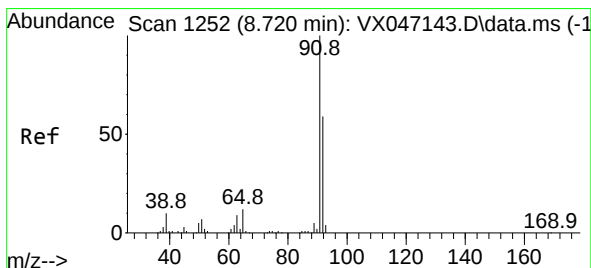
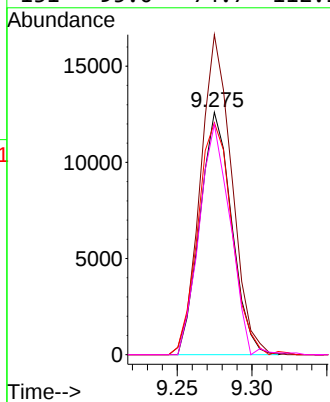
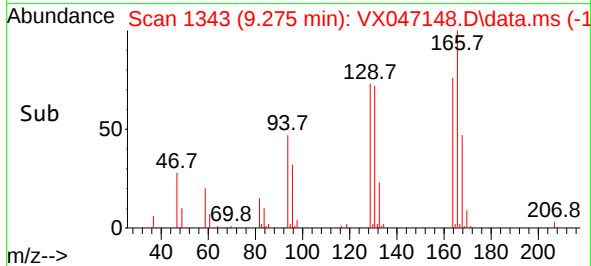
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:164 Resp: 1862
Ion Ratio Lower Upper
164 100
166 131.5 101.0 151.4
129 94.4 78.6 117.8
131 95.0 74.7 112.1

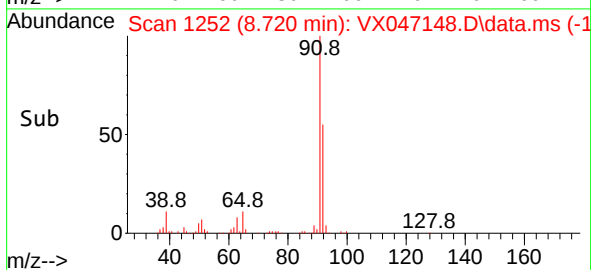
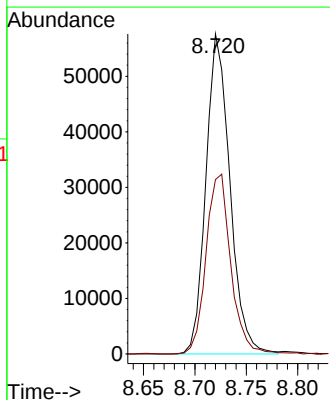
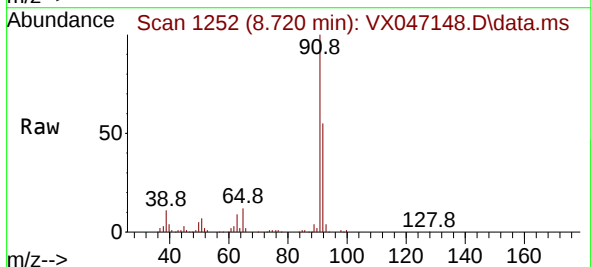
Manual Integrations
APPROVED

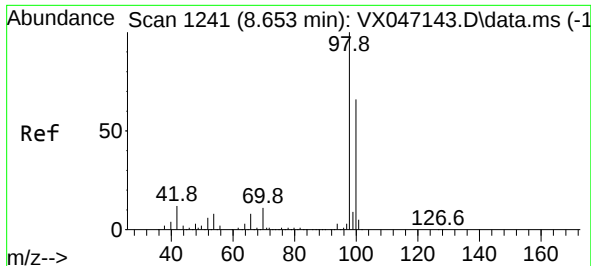
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#62
Toluene
Concen: 5.448 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 91 Resp: 93542
Ion Ratio Lower Upper
91 100
92 57.9 46.6 69.8





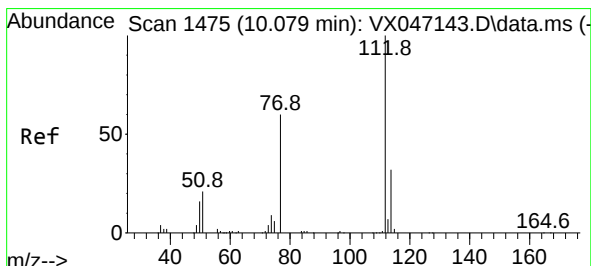
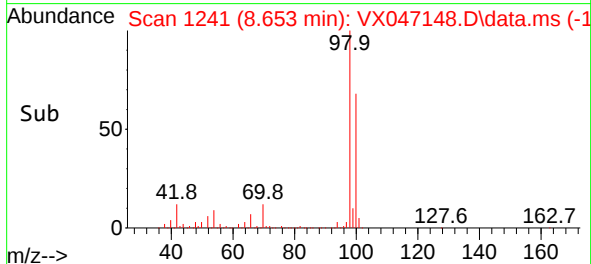
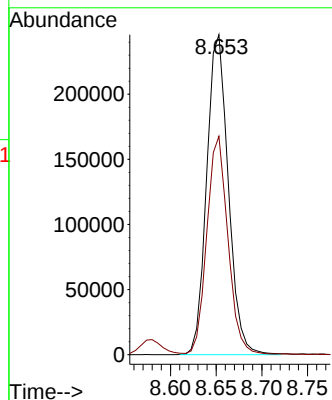
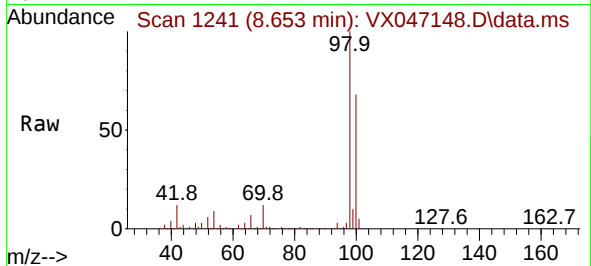
#63
Toluene-d8
Concen: 30.168 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 403420
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3

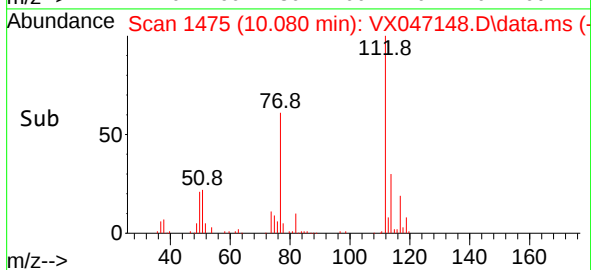
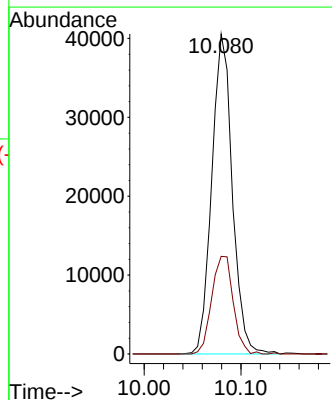
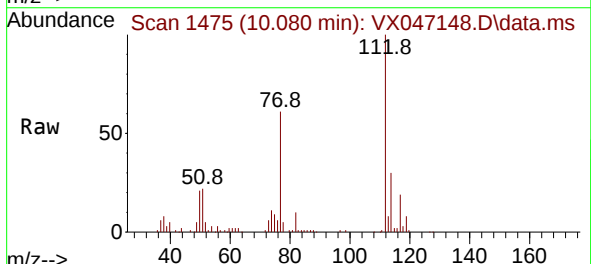
Manual Integrations
APPROVED

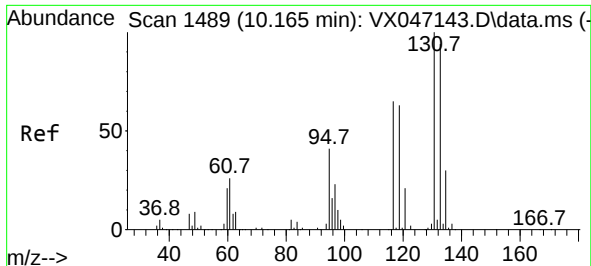
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#64
Chlorobenzene
Concen: 5.440 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion:112 Resp: 59888
Ion Ratio Lower Upper
112 100
114 30.5 23.6 35.4





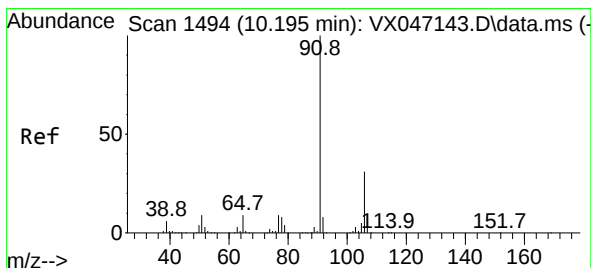
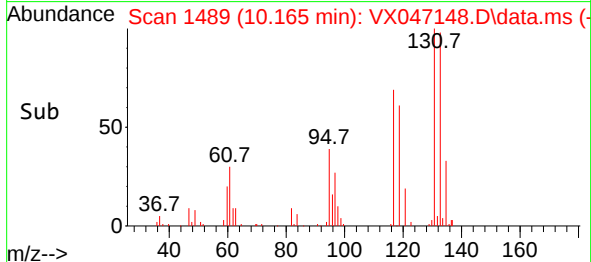
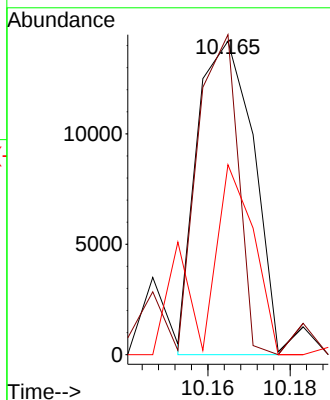
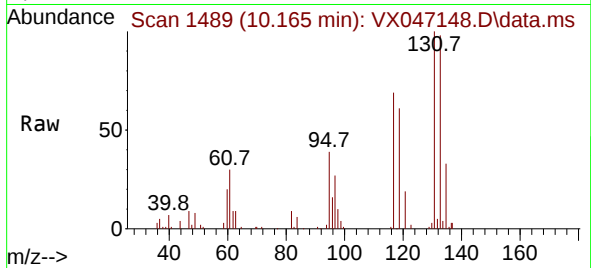
#65
1,1,1,2-Tetrachloroethane
Concen: 3.866 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 1345
Ion Ratio Lower Upper
131 100
133 73.4 0.0 188.2
119 39.0 0.0 101.8

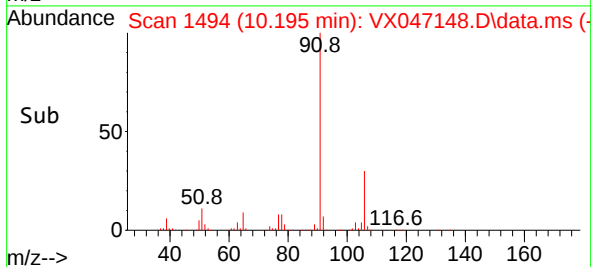
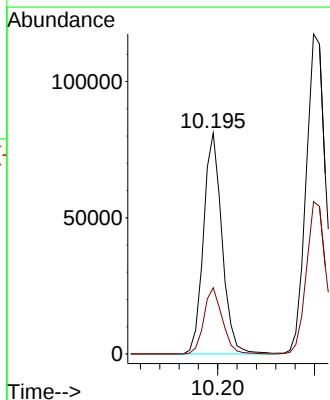
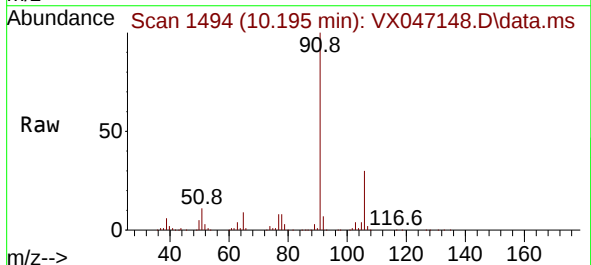
Manual Integrations
APPROVED

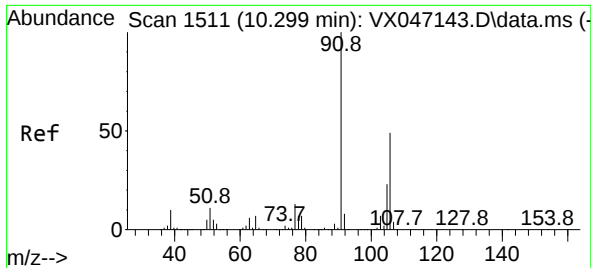
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#66
Ethyl Benzene
Concen: 5.497 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 91 Resp: 107985
Ion Ratio Lower Upper
91 100
106 30.0 25.1 37.7





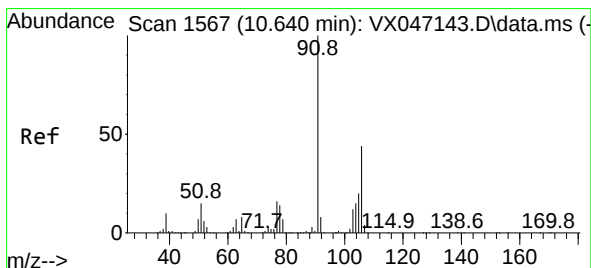
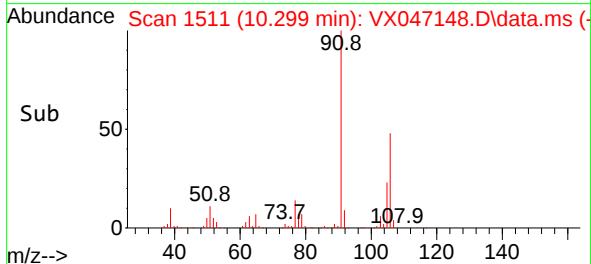
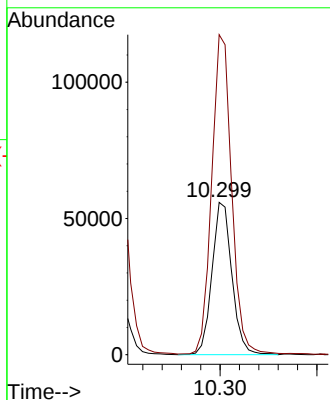
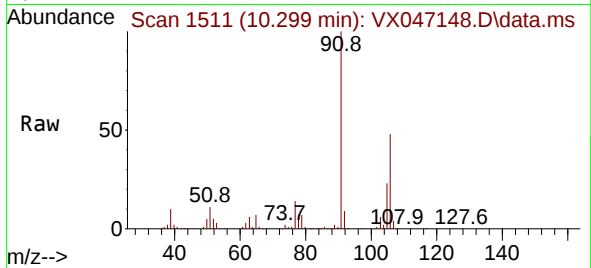
#67
m/p-Xylenes
Concen: 10.963 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 79814
Ion Ratio Lower Upper
106 100
91 208.8 164.4 246.6

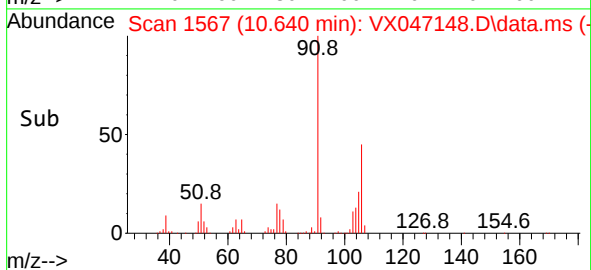
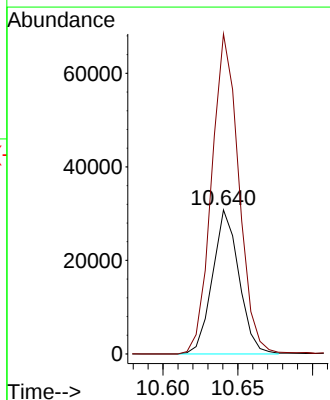
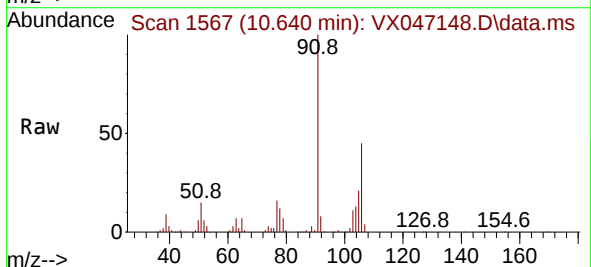
Manual Integrations
APPROVED

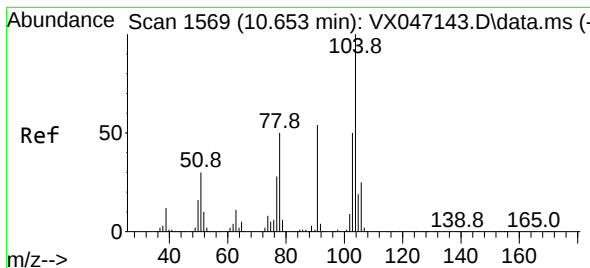
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#68
o-Xylene
Concen: 5.411 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion:106 Resp: 37990
Ion Ratio Lower Upper
106 100
91 227.5 111.3 333.8





#69

Styrene

Concen: 5.441 ug/l

RT: 10.659 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

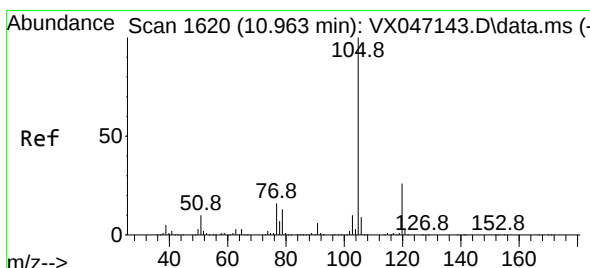
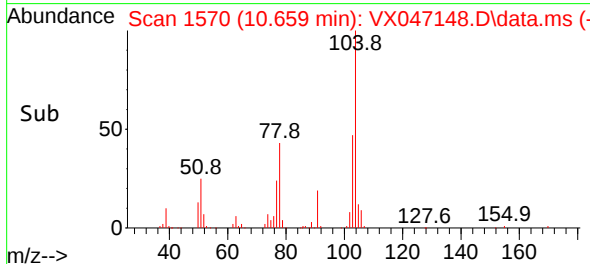
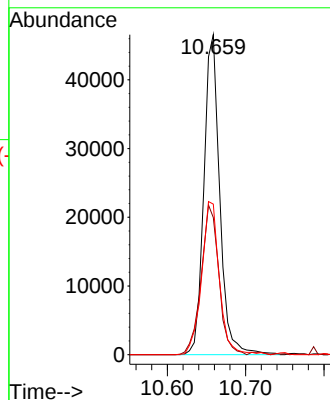
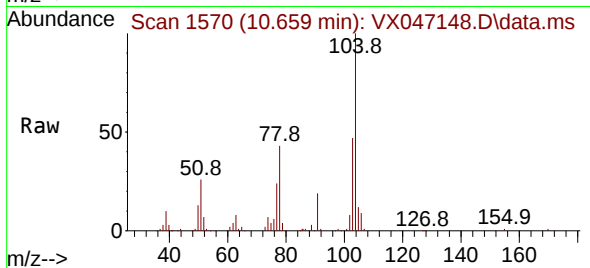
Tgt Ion:104 Resp: 6552
 Ion Ratio Lower Upper
 104 100
 78 52.1 42.6 63.8
 103 53.5 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#70

Isopropylbenzene

Concen: 5.550 ug/l

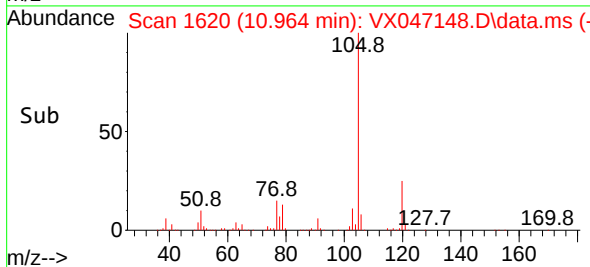
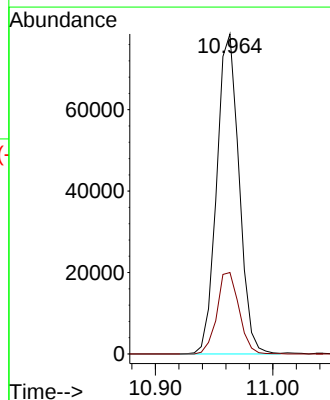
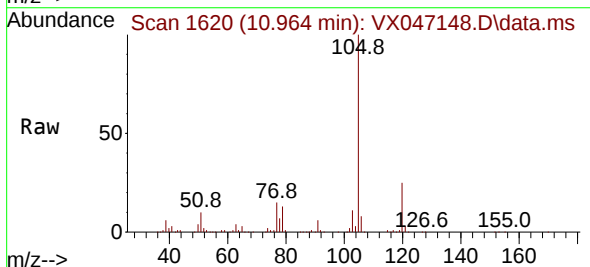
RT: 10.964 min Scan# 1620

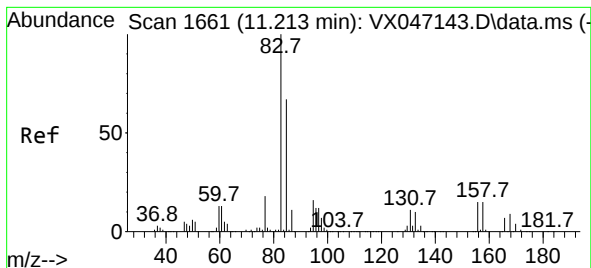
Delta R.T. 0.000 min

Lab File: VX047148.D

Acq: 25 Jul 2025 17:27

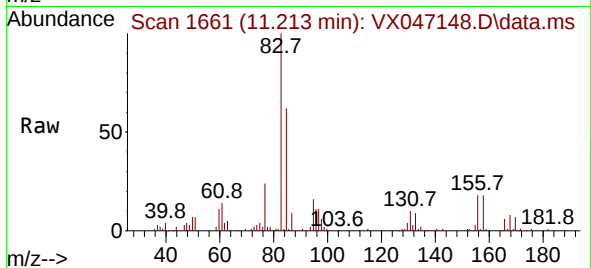
Tgt Ion:105 Resp: 103798
 Ion Ratio Lower Upper
 105 100
 120 25.1 17.8 33.0





#71
1,1,2,2-Tetrachloroethane
Concen: 5.713 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

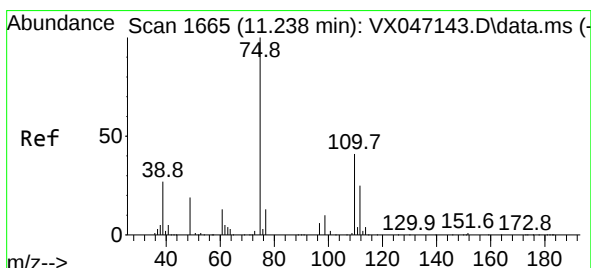
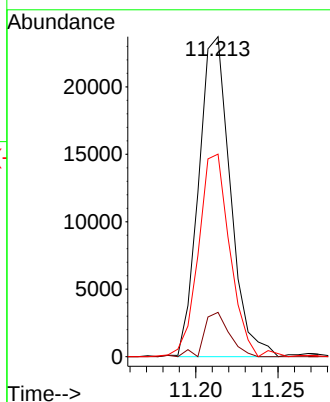
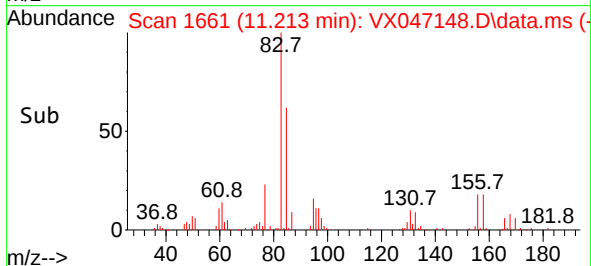
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 31698
Ion Ratio Lower Upper
83 100
131 10.5 6.0 18.0
85 62.5 32.3 96.9

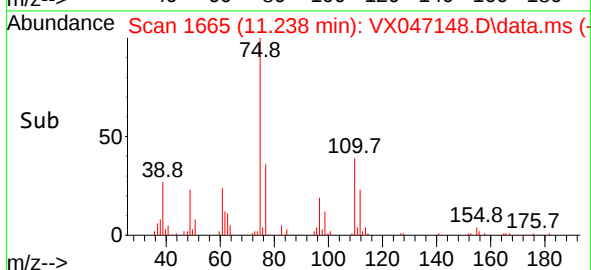
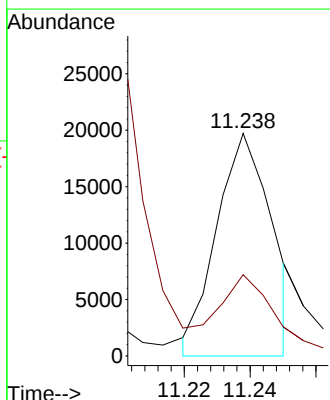
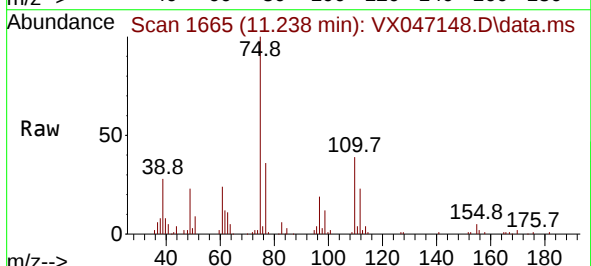
Manual Integrations
APPROVED

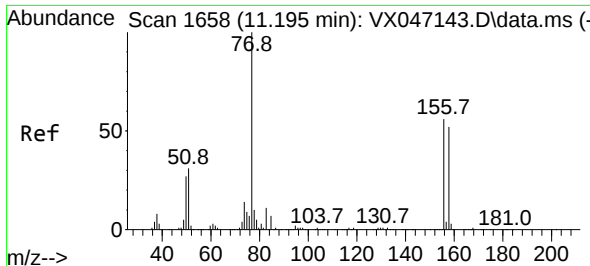
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#72
1,2,3-Trichloropropane
Concen: 5.358 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion: 75 Resp: 22894
Ion Ratio Lower Upper
75 100
77 40.6 0.0 74.2





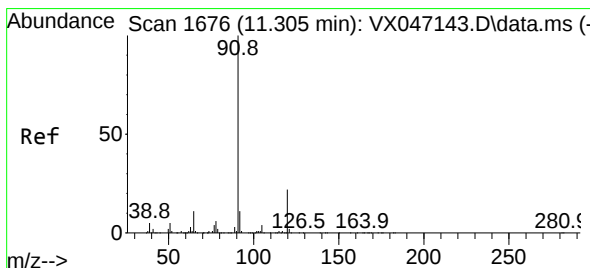
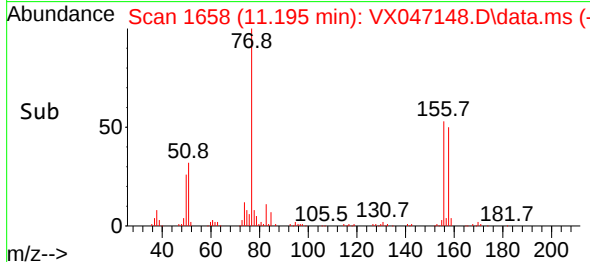
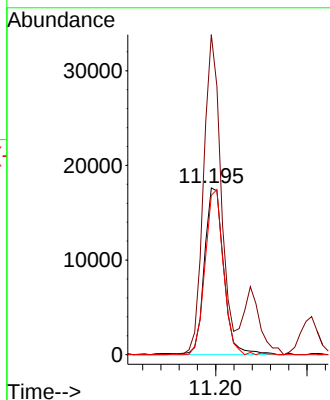
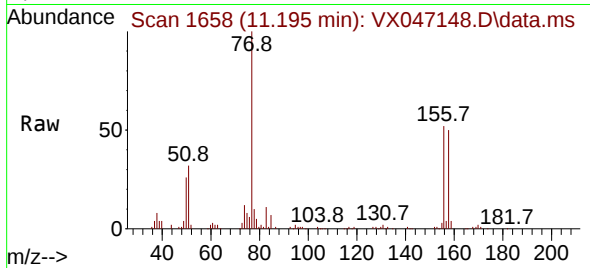
#73
Bromobenzene
Concen: 5.728 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:156 Resp: 25638
Ion Ratio Lower Upper
156 100
77 173.1 0.0 340.8
158 93.7 0.0 189.0

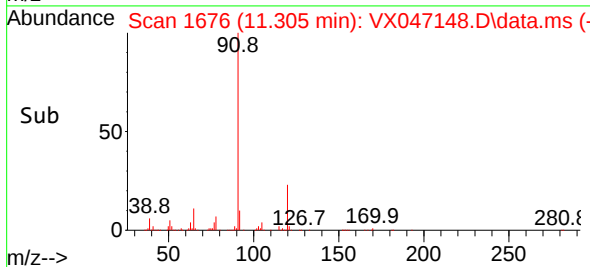
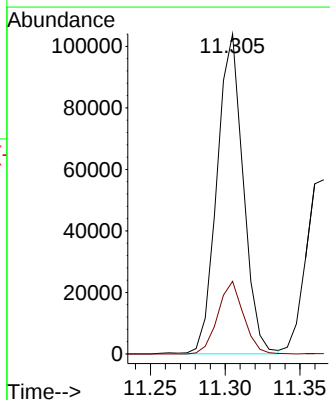
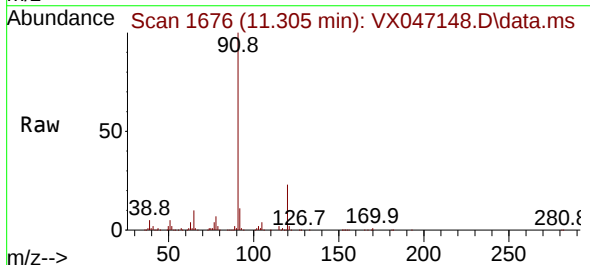
Manual Integrations
APPROVED

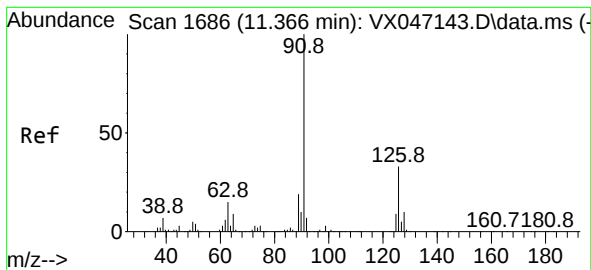
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#74
n-propylbenzene
Concen: 5.647 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

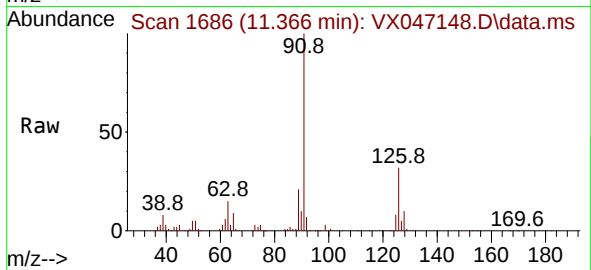
Tgt Ion: 91 Resp: 126791
Ion Ratio Lower Upper
91 100
120 22.2 0.0 44.4





#75
2-Chlorotoluene
Concen: 5.777 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

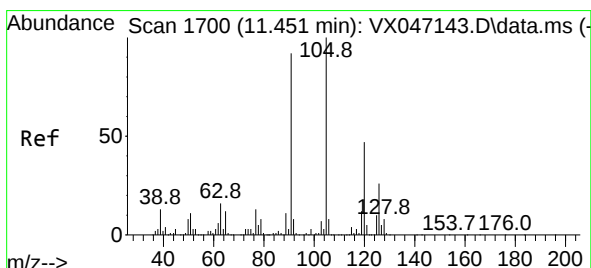
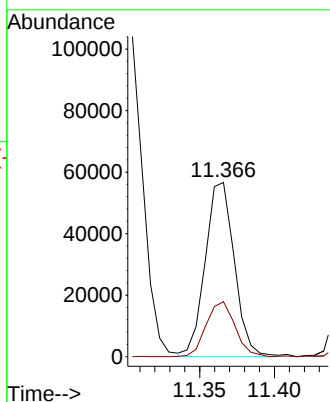
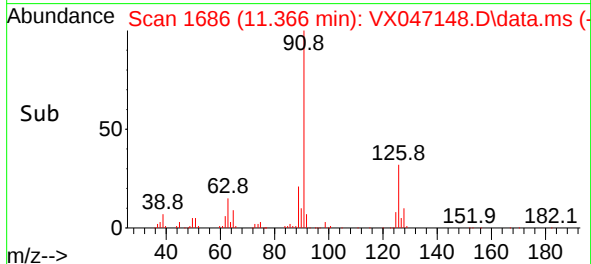
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 91 Resp: 76750
Ion Ratio Lower Upper
91 100
126 31.3 0.0 63.6

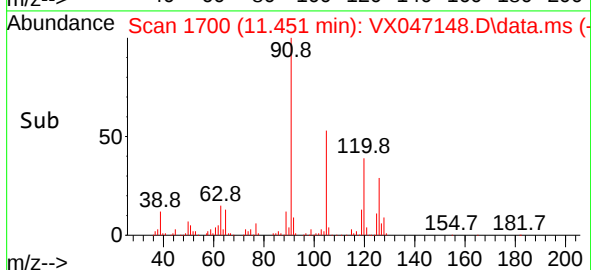
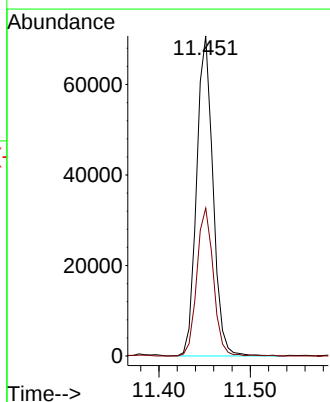
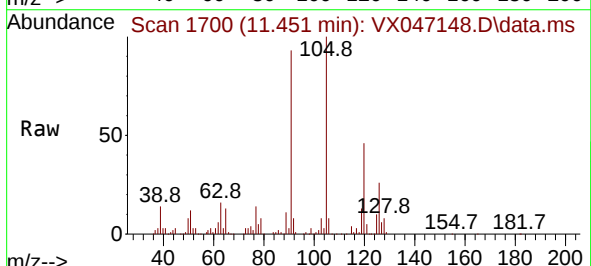
Manual Integrations
APPROVED

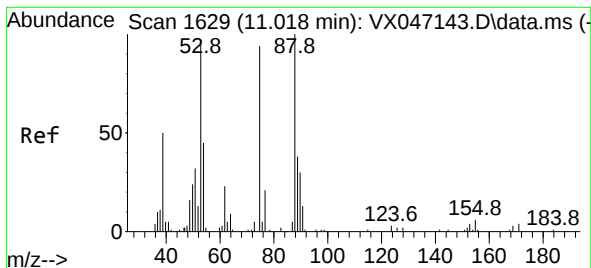
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#76
1,3,5-Trimethylbenzene
Concen: 5.734 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

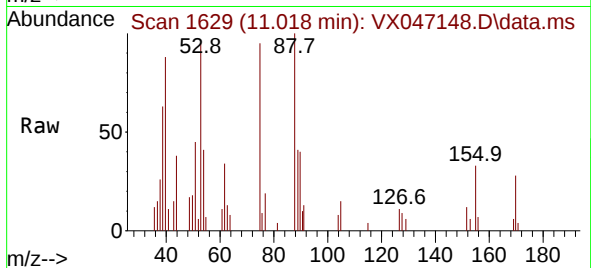
Tgt Ion:105 Resp: 88224
Ion Ratio Lower Upper
105 100
120 46.4 0.0 93.0





#77
t-1,4-Dichloro-2-butene
Concen: 2.826 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

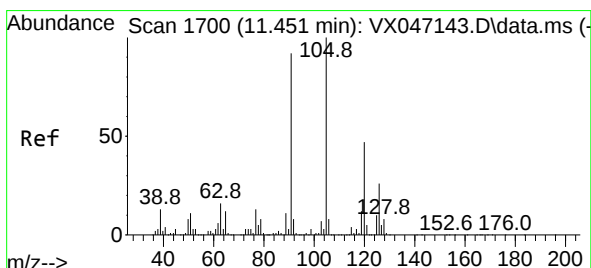
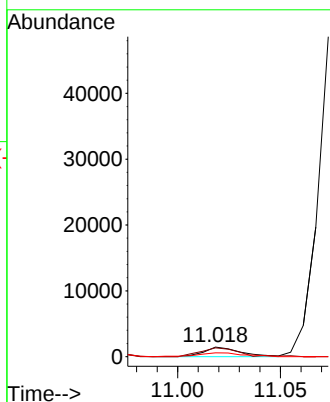
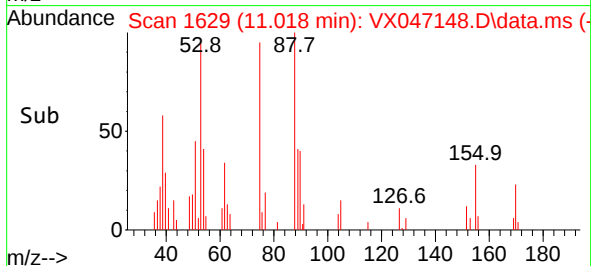
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 178
Ion Ratio Lower Upper
75 100
53 90.8 48.4 145.2
89 77.7 33.8 101.3

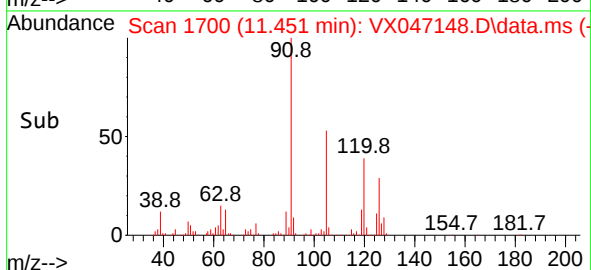
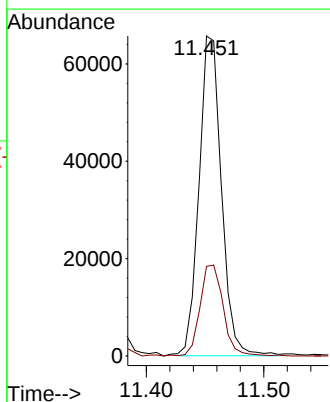
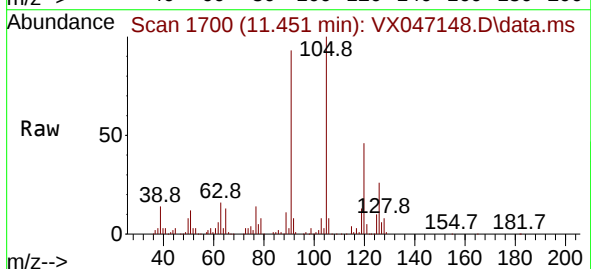
Manual Integrations
APPROVED

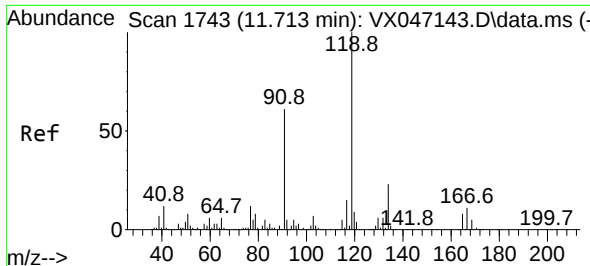
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#78
4-Chlorotoluene
Concen: 5.700 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

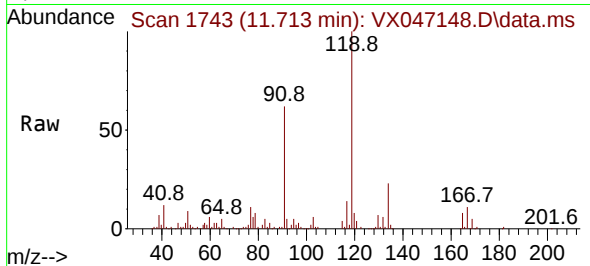
Tgt Ion: 91 Resp: 87328
Ion Ratio Lower Upper
91 100
126 28.7 0.0 57.2





#79
tert-butylbenzene
Concen: 5.612 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

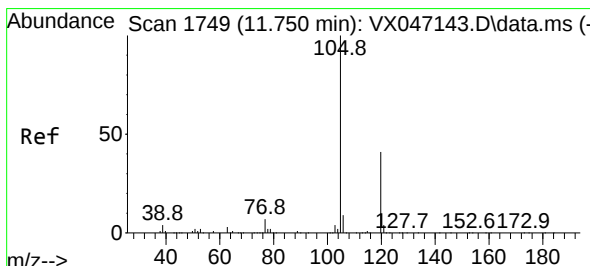
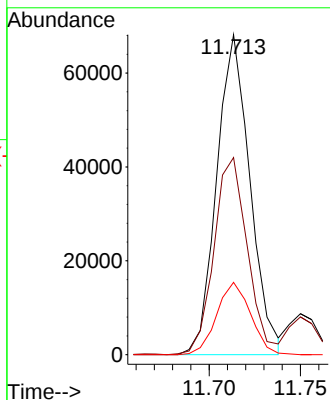
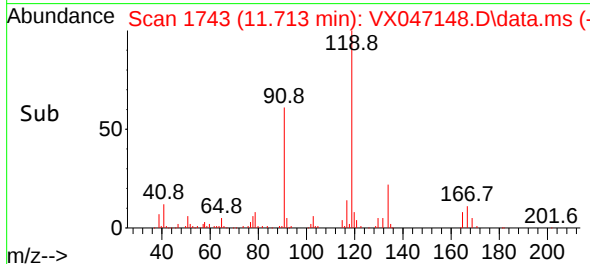
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



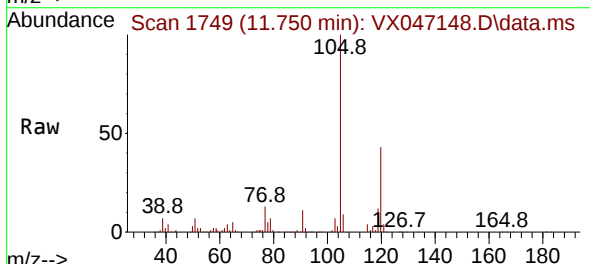
Tgt Ion:119 Resp: 86419
Ion Ratio Lower Upper
119 100
91 62.0 0.0 120.6
134 23.0 0.0 46.0

Manual Integrations
APPROVED

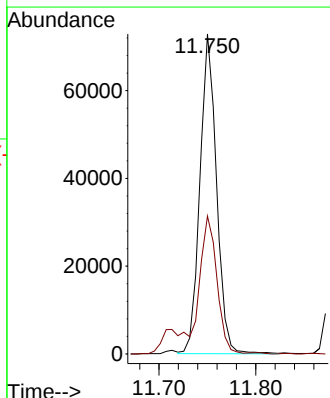
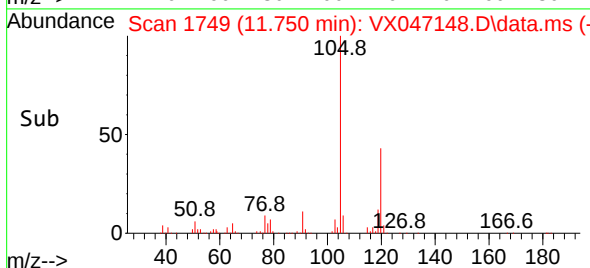
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

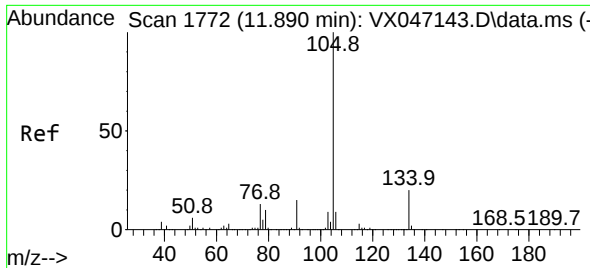


#80
1,2,4-Trimethylbenzene
Concen: 5.693 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27



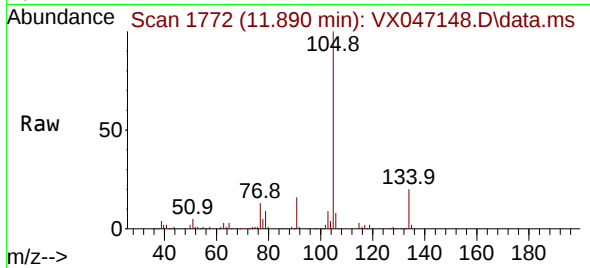
Tgt Ion:105 Resp: 86879
Ion Ratio Lower Upper
105 100
120 43.7 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 5.728 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047148.D
 Acq: 25 Jul 2025 17:27

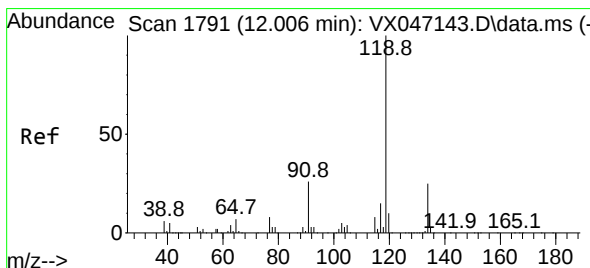
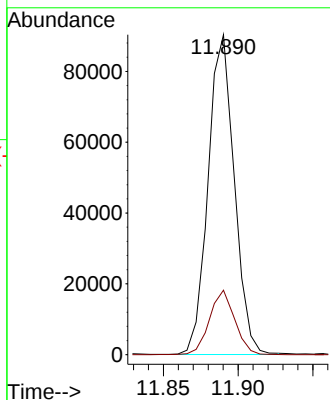
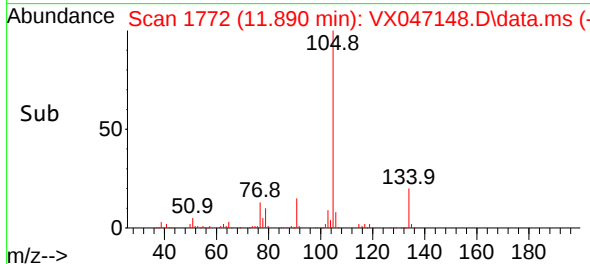
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005



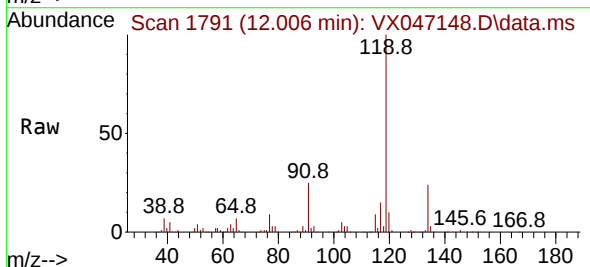
Tgt Ion:105 Resp: 11068
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

Manual Integrations
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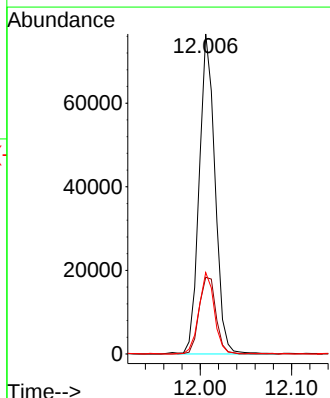
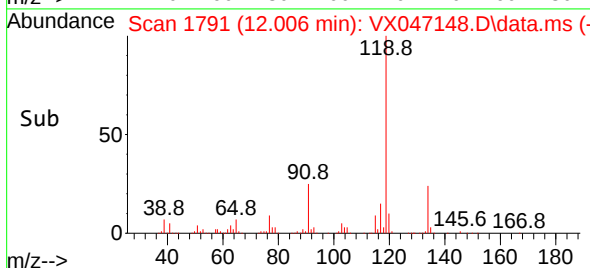
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/28/2025

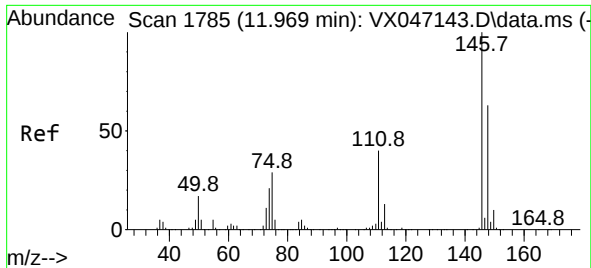


#82
 p-Isopropyltoluene
 Concen: 5.744 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047148.D
 Acq: 25 Jul 2025 17:27



Tgt Ion:119 Resp: 91725
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.8
 91 24.8 0.0 51.0





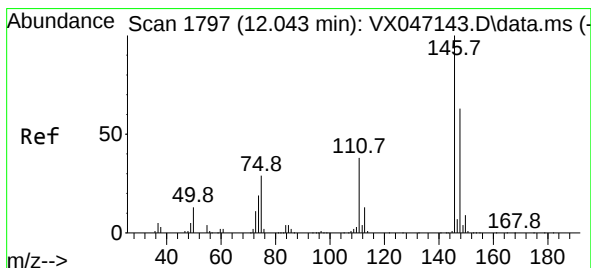
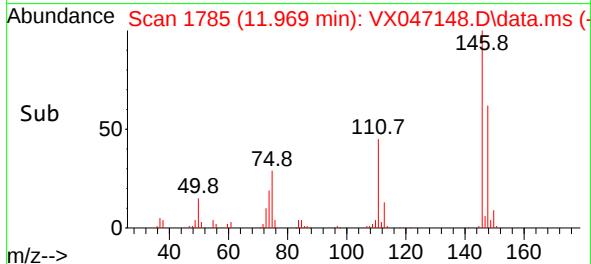
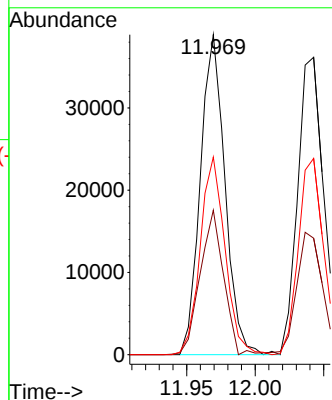
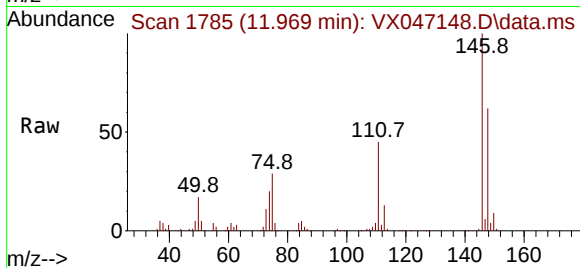
#83
1,3-Dichlorobenzene
Concen: 5.812 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 48602
Ion Ratio Lower Upper
146 100
111 42.4 20.7 62.1
148 62.3 31.8 95.3

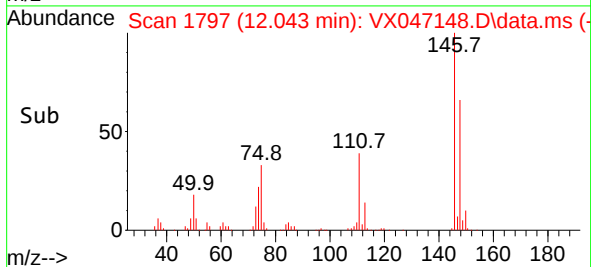
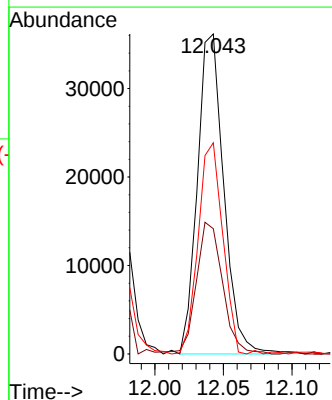
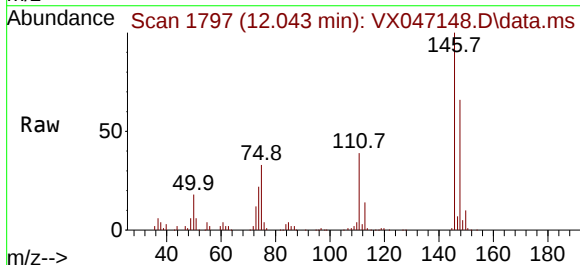
Manual Integrations
APPROVED

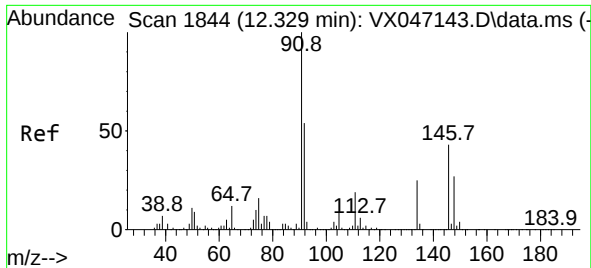
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#84
1,4-Dichlorobenzene
Concen: 5.852 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Tgt Ion:146 Resp: 48505
Ion Ratio Lower Upper
146 100
111 40.8 20.4 61.3
148 61.3 32.3 96.8





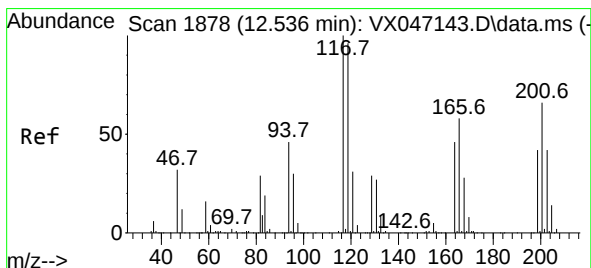
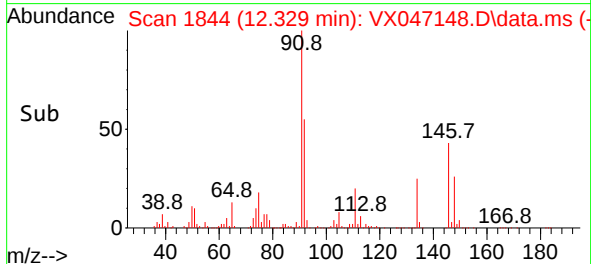
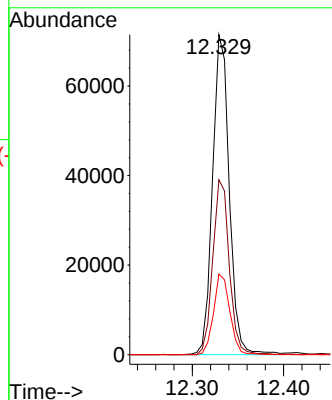
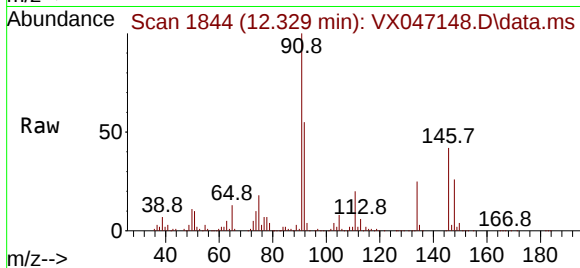
#85
n-Butylbenzene
Concen: 5.935 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 90950
Ion Ratio Lower Upper
91 100
92 53.7 0.0 107.8
134 24.6 0.0 50.0

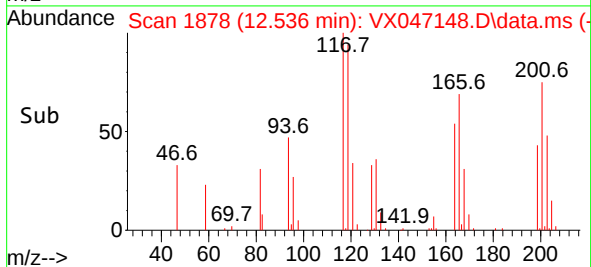
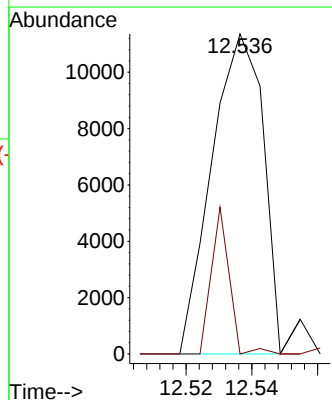
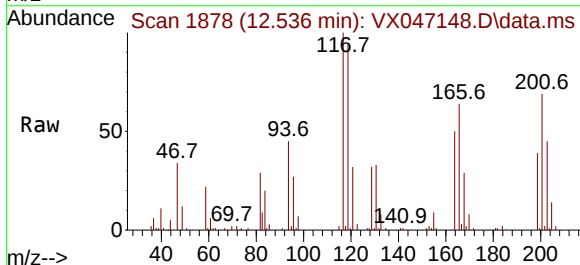
Manual Integrations
APPROVED

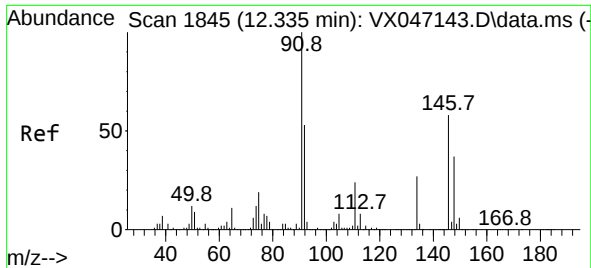
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#86
Hexachloroethane
Concen: 5.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

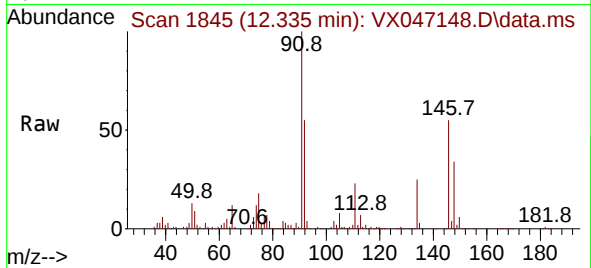
Tgt Ion:117 Resp: 12333
Ion Ratio Lower Upper
117 100
201 0.6 0.5 1.5





#87
1,2-Dichlorobenzene
Concen: 5.731 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

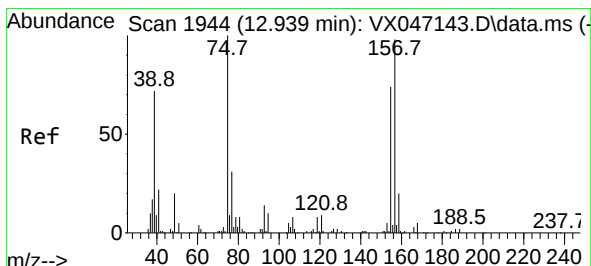
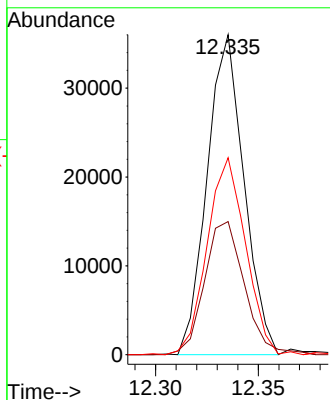
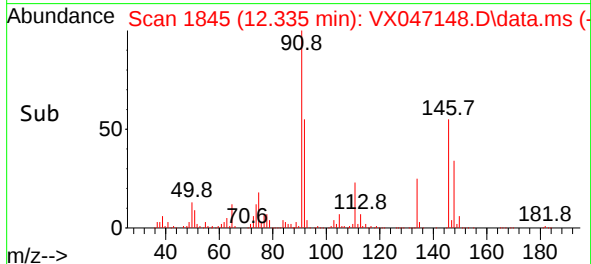
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 44949
Ion Ratio Lower Upper
146 100
111 45.0 21.8 65.3
148 64.0 32.4 97.0

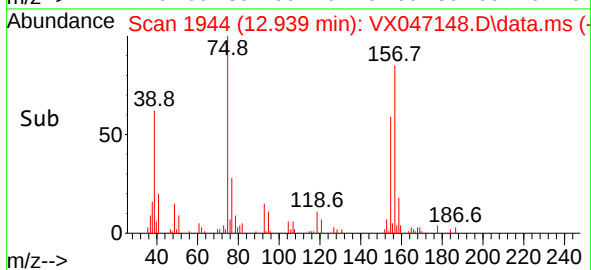
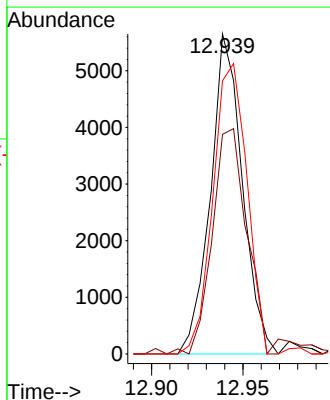
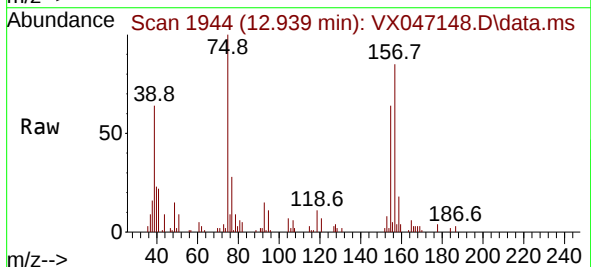
Manual Integrations
APPROVED

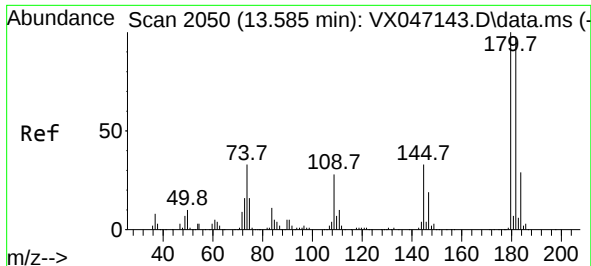
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 5.710 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

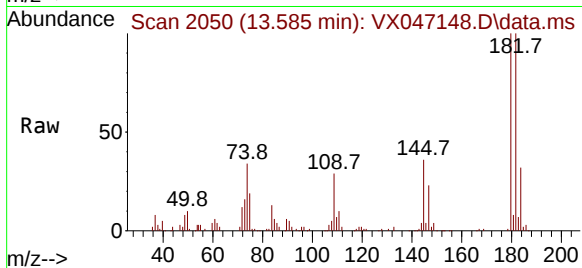
Tgt Ion: 75 Resp: 6858
Ion Ratio Lower Upper
75 100
155 75.2 65.4 98.2
157 96.6 82.0 123.0





#89
1,2,4-Trichlorobenzene
Concen: 6.033 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

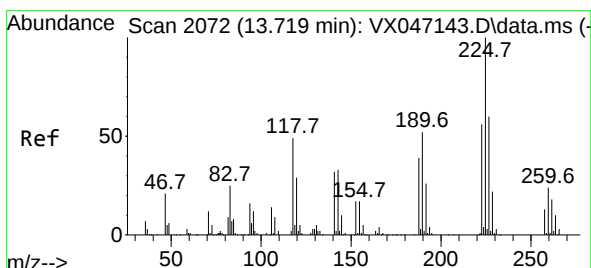
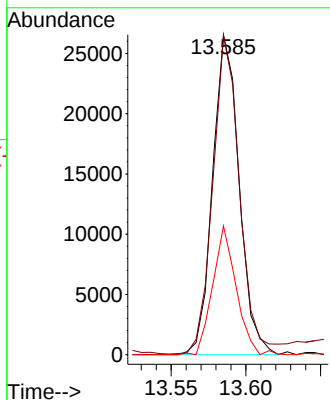
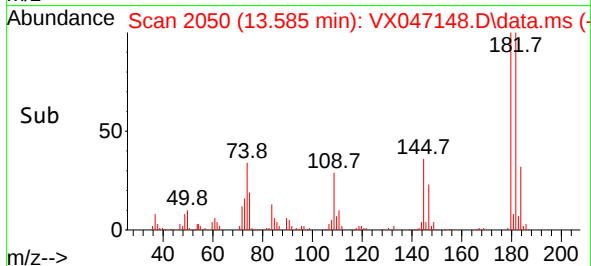
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



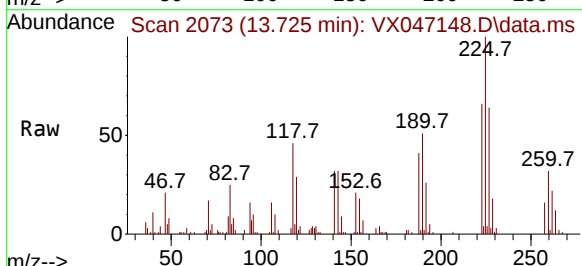
Tgt Ion:180 Resp: 32714
Ion Ratio Lower Upper
180 100
182 100.6 78.2 117.2
145 35.0 26.5 39.7

Manual Integrations
APPROVED

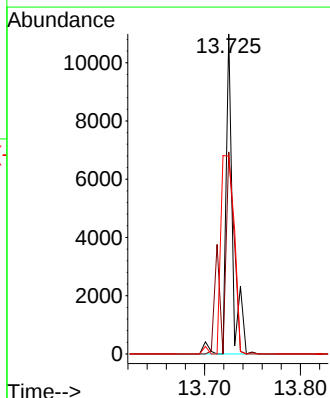
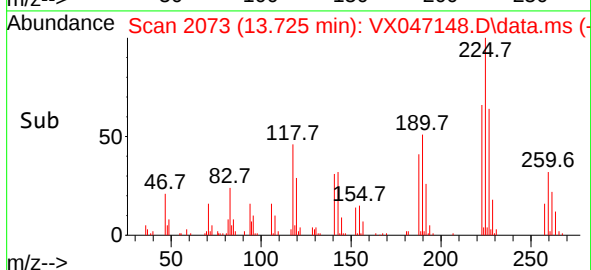
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

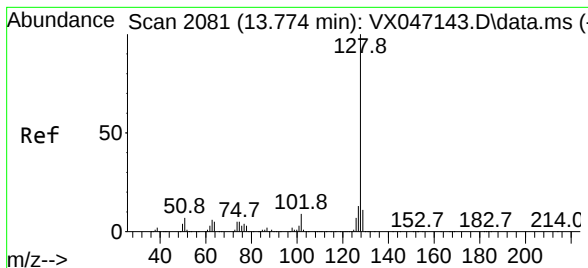


#90
Hexachlorobutadiene
Concen: 4.298 ug/l m
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27



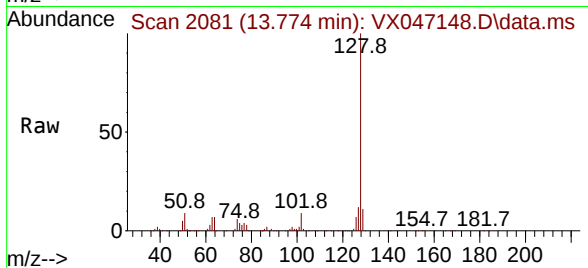
Tgt Ion:225 Resp: 5179
Ion Ratio Lower Upper
225 100
223 76.2 0.0 73.8#
227 126.7 0.0 130.6





#91
Naphthalene
Concen: 6.141 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27

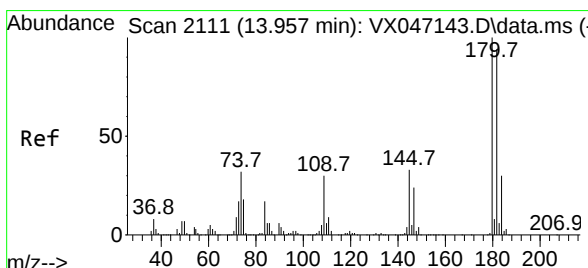
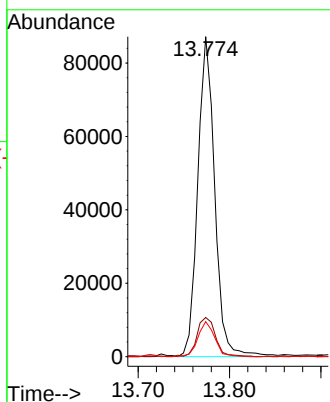
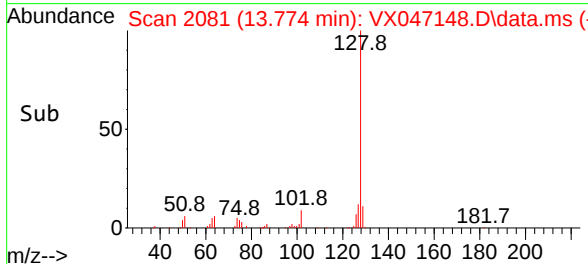
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



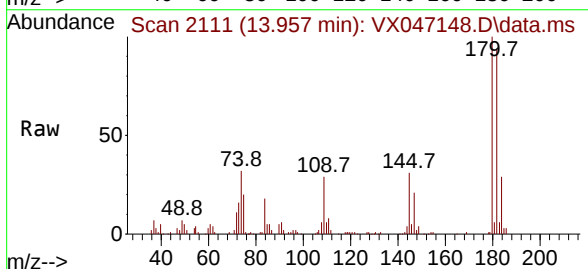
Tgt Ion:128 Resp: 112400
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.8 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carbone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#92
1,2,3-Trichlorobenzene
Concen: 6.051 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047148.D
Acq: 25 Jul 2025 17:27



Tgt Ion:180 Resp: 31484
Ion Ratio Lower Upper
180 100
182 96.8 0.0 189.0
145 34.6 0.0 69.2

