

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072525\
 Data File : VX047143.D
 Acq On : 25 Jul 2025 15:40
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 04:43:42 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

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

Internal Standards						
1) Bromochloromethane	4.916	128	34763m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	362797	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	322192	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.970	65	149431	34.036	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.467%#			
60) 4-Bromofluorobenzene	11.079	95	161138	30.694	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.300%			
63) Toluene-d8	8.653	98	424453	30.246	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.833%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	83757	21.170	ug/l	100
3) Chloromethane	1.313	50	73697	20.726	ug/l	100
4) Vinyl Chloride	1.392	62	86411	20.295	ug/l	100
5) Bromomethane	1.630	94	38604	22.427	ug/l	100
6) Chloroethane	1.709	64	50148	20.867	ug/l	100
7) Trichlorofluoromethane	1.910	101	123222	21.302	ug/l	100
8) Diethyl Ether	2.148	74	41806	19.802	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	69204	20.132	ug/l	100
10) 1,1-Dichloroethene	2.337	96	74482	21.179	ug/l	100
11) Methyl Iodide	2.471	142	96617	17.800	ug/l	100
12) Methyl Acetate	2.715	43	88294	20.170	ug/l	100
13) Acrolein	2.252	56	56312	96.193	ug/l	100
14) Acrylonitrile	3.081	53	191172	105.819	ug/l	100
15) Acetone	2.392	58	46923	105.801	ug/l	100
16) Carbon Disulfide	2.532	76	205040	20.111	ug/l	100
17) Allyl chloride	2.684	41	123725	20.593	ug/l	100
18) Methylene Chloride	2.806	84	78740	20.745	ug/l	100
19) trans-1,2-Dichloroethene	3.111	96	76128	21.137	ug/l	100
20) Diisopropyl ether	3.776	45	274205	21.343	ug/l	100
21) 1,1-Dichloroethane	3.629	63	144933	20.727	ug/l	100
22) cis-1,2-Dichloroethene	4.507	96	90531	20.585	ug/l	100
23) tert-Butyl Alcohol	2.959	59	51065	101.814	ug/l	100
24) Methyl tert-Butyl Ether	3.123	73	244230	20.733	ug/l	100
25) Chloroform	5.111	83	145678	21.160	ug/l	100
26) Cyclohexane	5.489	56	137289	20.220	ug/l #	100
29) 1,1-Dichloropropene	5.708	75	104421	18.480	ug/l	100
30) 2-Butanone	4.574	43	249832	93.607	ug/l	100
31) 2,2-Dichloropropane	4.495	77	113202	18.658	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	129287	18.477	ug/l	100
33) Carbon Tetrachloride	5.690	117	89275m	18.032	ug/l	
34) Benzene	6.050	78	316973	19.001	ug/l	100
35) Methacrylonitrile	4.934	41	54340	18.834	ug/l	100
36) 1,2-Dichloroethane	6.098	62	113486	18.943	ug/l	100
37) Trichloroethene	7.135	130	79156	18.855	ug/l	100
38) Methylcyclohexane	7.391	83	132690	18.215	ug/l	100
39) 1,2-Dichloropropane	7.440	63	79342	18.552	ug/l	100
40) Dibromomethane	7.592	93	55514m	18.608	ug/l	
41) Bromodichloromethane	7.824	83	113415	18.167	ug/l	100
42) Vinyl Acetate	3.733	43	1139121	92.842	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	102305	16.811	ug/l	97
44) Isopropyl Acetate	6.348	43	175437	18.322	ug/l	100
45) 1,4-Dioxane	7.708	88	22461	375.333	ug/l	96
46) Methyl methacrylate	7.702	41	88881	18.089	ug/l	100
47) n-amyl Acetate	10.842	43	155914	18.623	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	108794	18.031	ug/l	100
49) cis-1,3-Dichloropropene	8.372	75	120333	18.232	ug/l	100
50) 1,1,2-Trichloroethane	9.153	97	75783	19.101	ug/l	100
51) Ethyl methacrylate	9.116	69	119765	18.516	ug/l	100
52) 1,3-Dichloropropane	9.311	76	129089	18.755	ug/l	100
53) Dibromochloromethane	9.531	129	23759m	16.306	ug/l	
54) 1,2-Dibromoethane	9.610	107	77987	18.776	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	303147	96.113	ug/l	100
56) Bromoform	10.799	173	1012m	17.141	ug/l	
58) 4-Methyl-2-Pentanone	8.574	43	529497	94.189	ug/l	100
59) 2-Hexanone	9.433	43	378544	95.189	ug/l	100
61) Tetrachloroethene	9.275	164	66277	18.786	ug/l	100
62) Toluene	8.720	91	339486	18.842	ug/l	100
64) Chlorobenzene	10.079	112	216170	18.710	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	71605	19.604	ug/l	100
66) Ethyl Benzene	10.195	91	384899	18.670	ug/l	100
67) m/p-Xylenes	10.299	106	290937	38.082	ug/l	100
68) o-Xylene	10.640	106	139424	18.923	ug/l	100
69) Styrene	10.653	104	237599	18.802	ug/l	100
70) Isopropylbenzene	10.963	105	371473	18.928	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	110463	18.973	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	86591m	19.310	ug/l	
73) Bromobenzene	11.195	156	88904	18.928	ug/l	100
74) n-propylbenzene	11.305	91	446899	18.967	ug/l	100
75) 2-Chlorotoluene	11.366	91	265583	19.047	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	309795	19.186	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	10301	15.523	ug/l	100
78) 4-Chlorotoluene	11.451	91	306713	19.077	ug/l	100
79) tert-butylbenzene	11.713	119	307204	19.011	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	303690	18.962	ug/l	100
81) sec-Butylbenzene	11.890	105	381377	18.911	ug/l	100
82) p-Isopropyltoluene	12.006	119	317626	18.954	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	167316	19.065	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	165807	19.063	ug/l	100
85) n-Butylbenzene	12.329	91	303176	18.852	ug/l	100
86) Hexachloroethane	12.536	117	52380	22.478	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	158585	19.268	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	22779	18.072	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	104740	18.405	ug/l	100
90) Hexachlorobutadiene	13.719	225	29012	22.942	ug/l	100
91) Naphthalene	13.774	128	365478	19.026	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	98565	18.050	ug/l	100

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

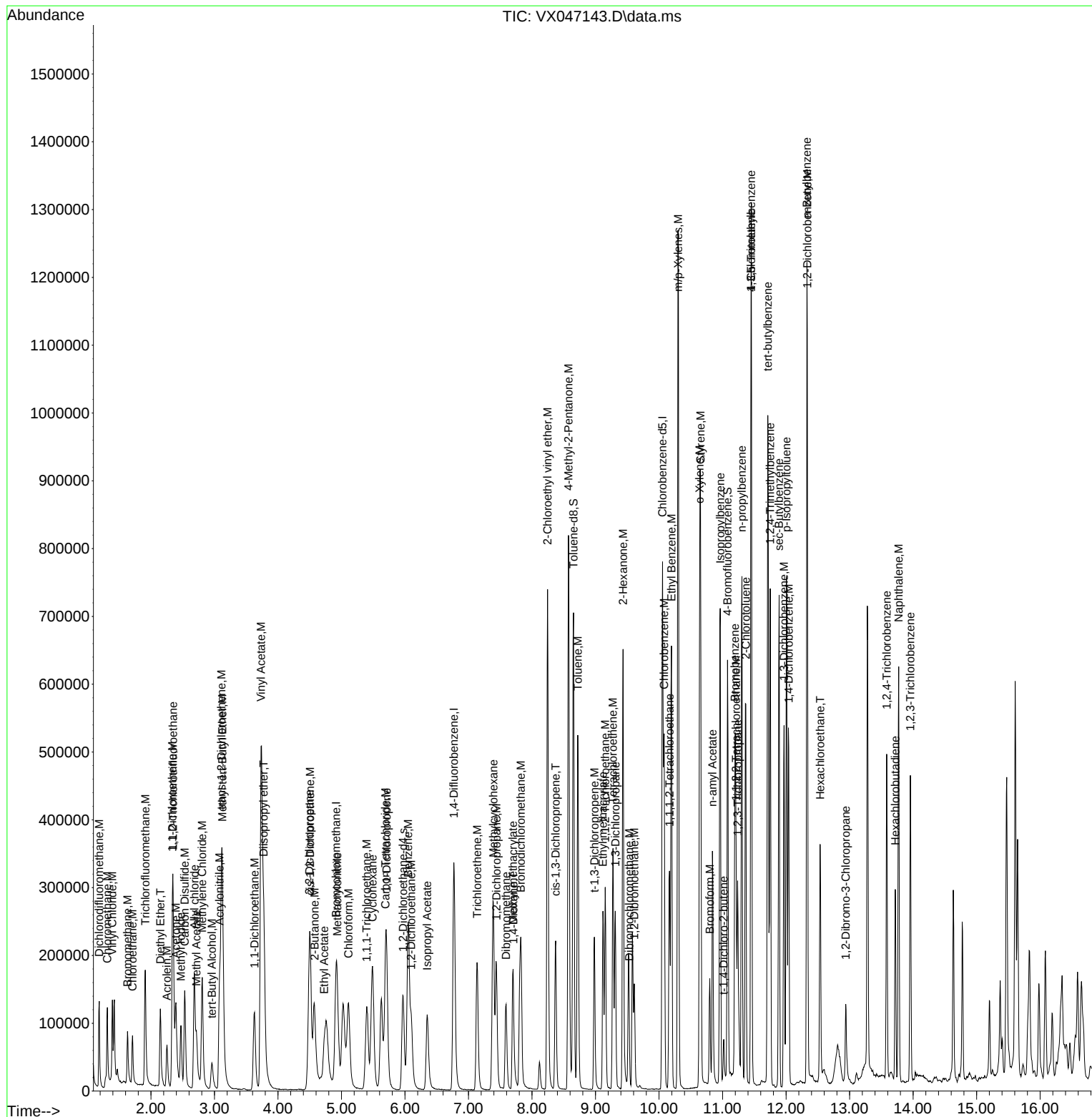
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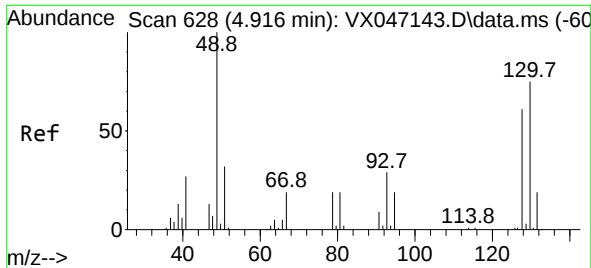
Instrument :
MSVOA_X
ClientSampleId :
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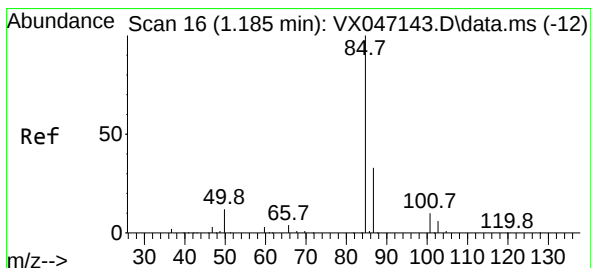
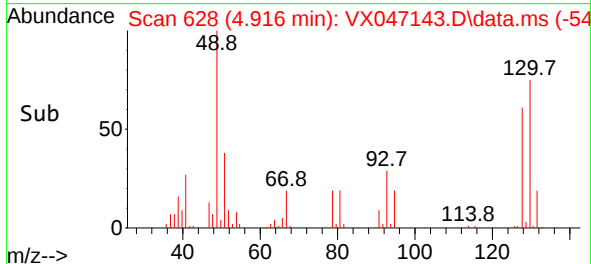
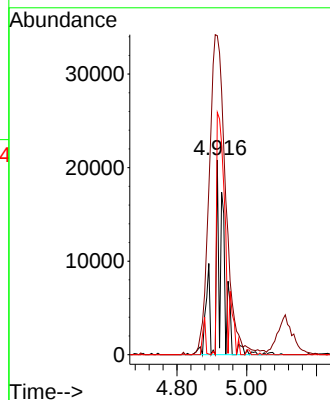
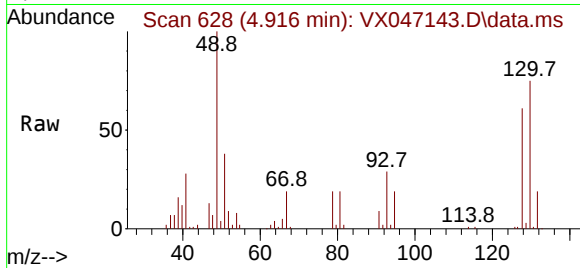
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Bromochloromethane
Concen: 30.000 ug/l m
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 3476
Ion Ratio Lower Upper
128 100
49 0.0 0.0 0.0
130 110.8 0.0 0.0

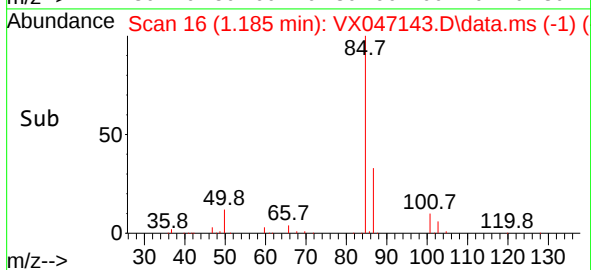
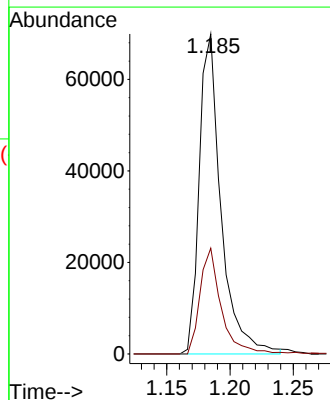
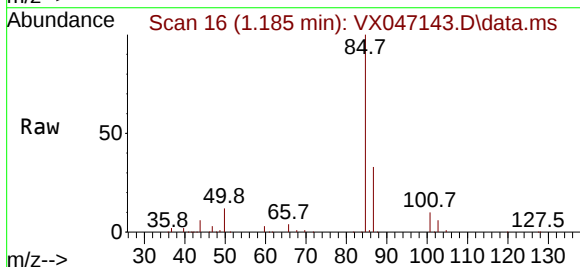
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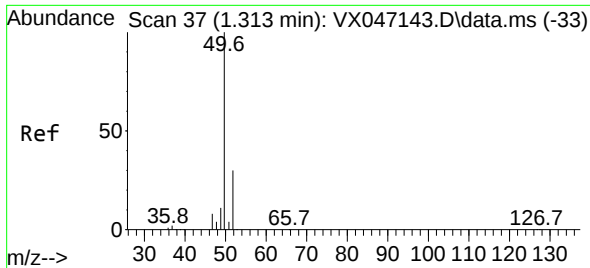
Reviewed By :John Carlone 07/28/2025
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#2
Dichlorodifluoromethane
Concen: 21.170 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 85 Resp: 83757
Ion Ratio Lower Upper
85 100
87 32.7 16.4 49.1





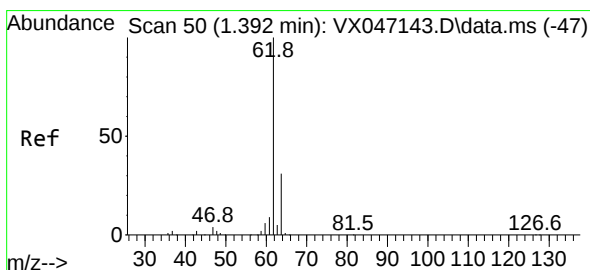
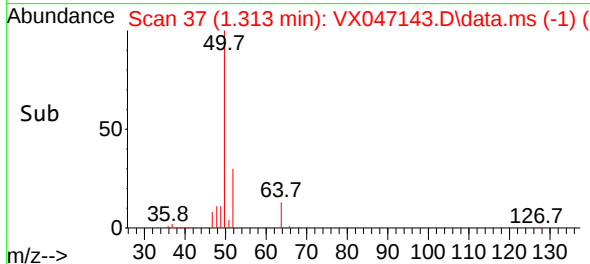
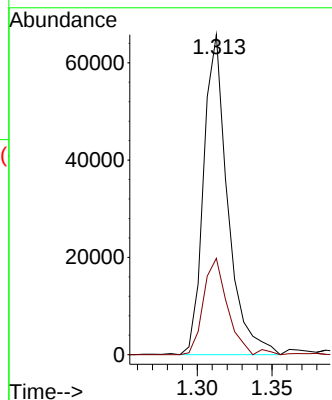
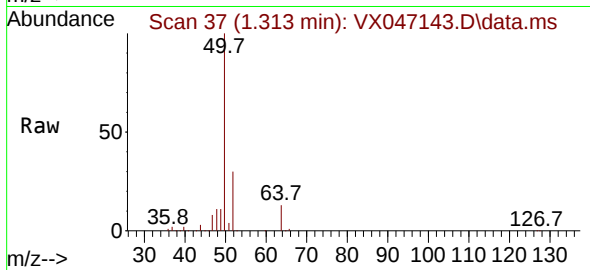
#3
Chloromethane
Concen: 20.726 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
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ClientSampleId :
VSTDICCC020

Tgt Ion: 50 Resp: 7369
Ion Ratio Lower Upper
50 100
52 30.5 24.4 36.6

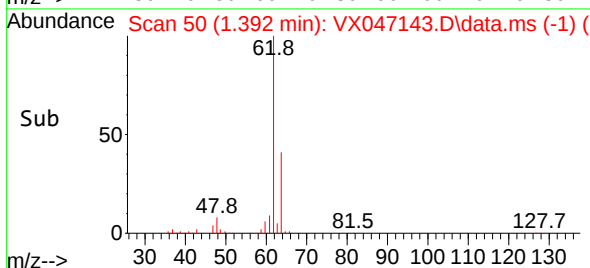
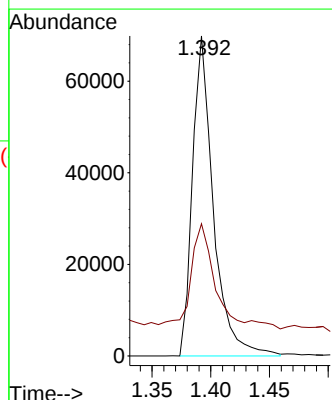
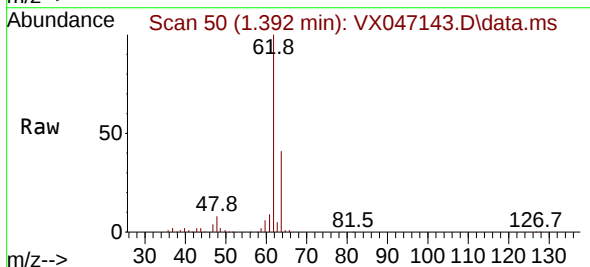
Manual Integrations
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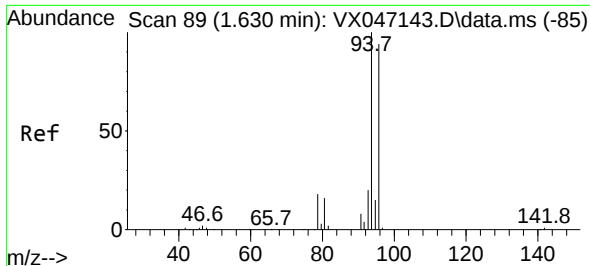
Reviewed By :John Carlone 07/28/2025
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#4
Vinyl Chloride
Concen: 20.295 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 62 Resp: 86411
Ion Ratio Lower Upper
62 100
64 32.1 25.7 38.5





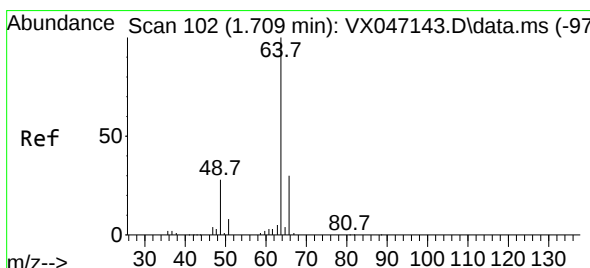
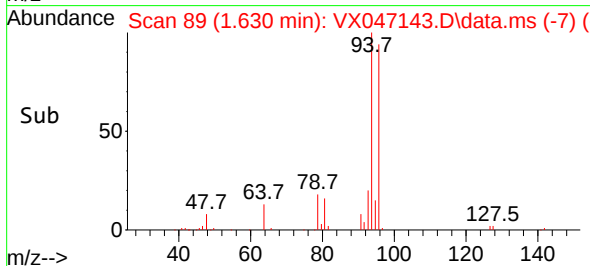
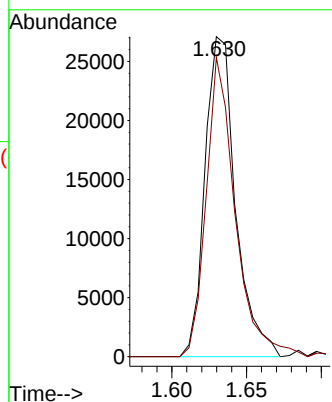
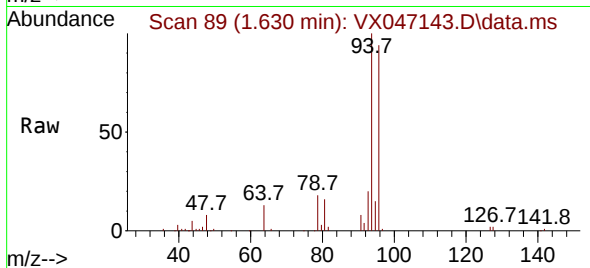
#5
Bromomethane
Concen: 22.427 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
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ClientSampleId :
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Tgt Ion: 94 Resp: 38604
Ion Ratio Lower Upper
94 100
96 82.5 66.0 99.0

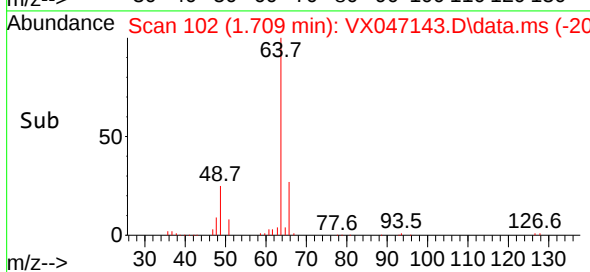
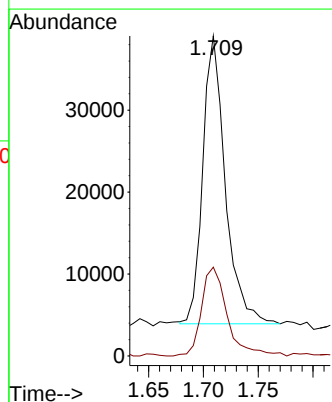
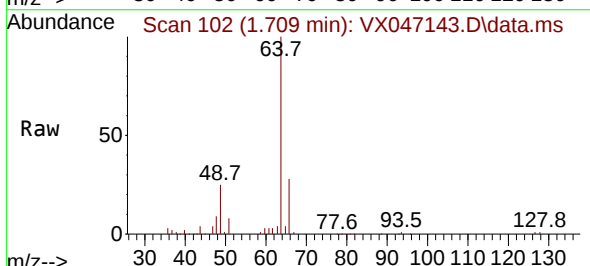
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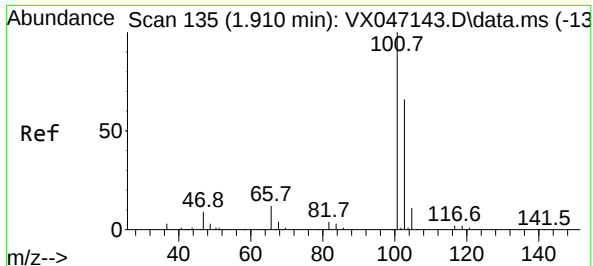
Reviewed By :John Carlone 07/28/2025
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#6
Chloroethane
Concen: 20.867 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.000 min
Lab File: VX047143.D
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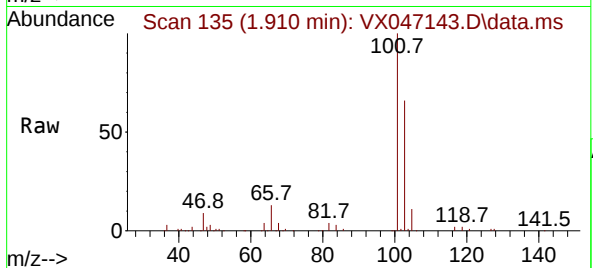
Tgt Ion: 64 Resp: 50148
Ion Ratio Lower Upper
64 100
66 30.4 24.3 36.5





#7
 Trichlorofluoromethane
 Concen: 21.302 ug/l
 RT: 1.910 min Scan# 135
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40

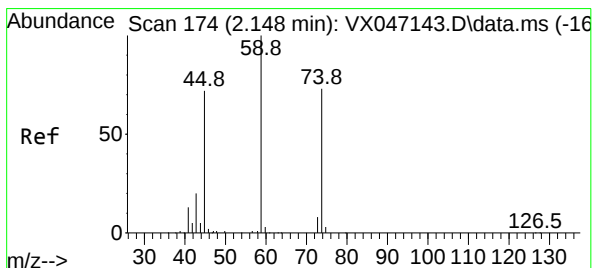
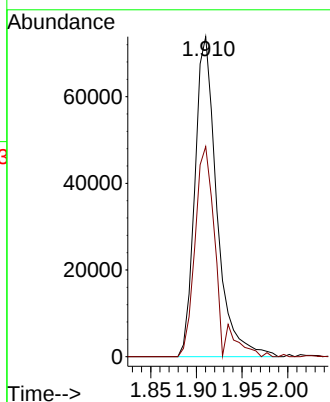
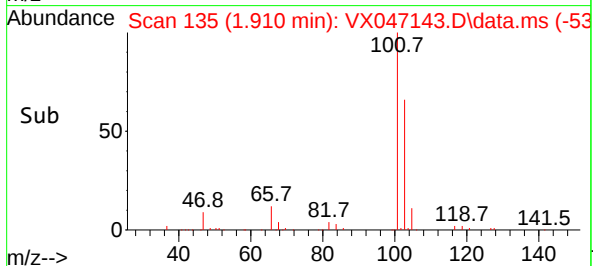
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



Tgt Ion:101 Resp: 12322
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.4 78.6

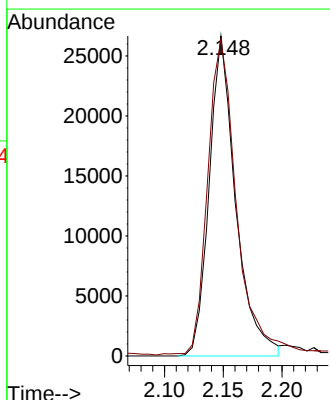
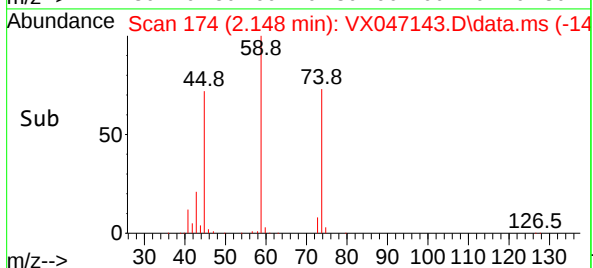
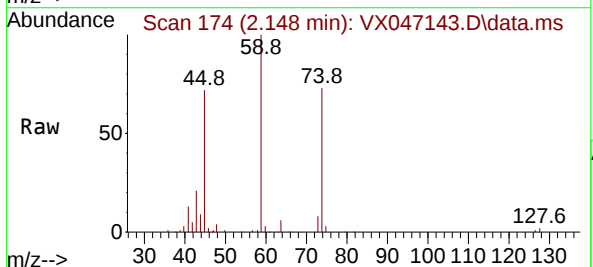
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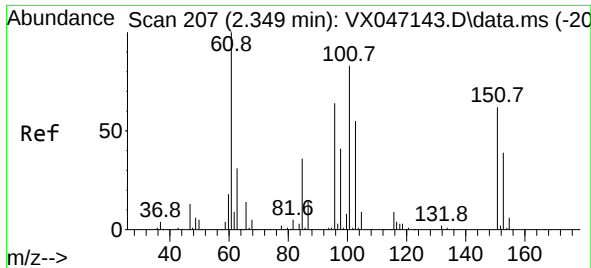
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#8
 Diethyl Ether
 Concen: 19.802 ug/l
 RT: 2.148 min Scan# 174
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 41806
 Ion Ratio Lower Upper
 74 100
 45 109.8 22.0 197.6





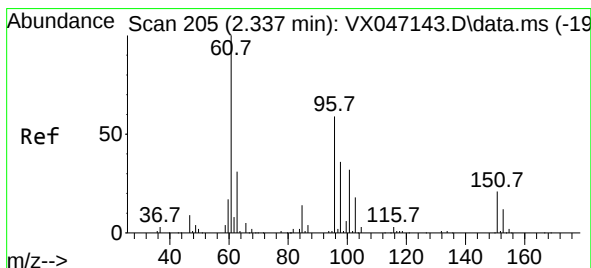
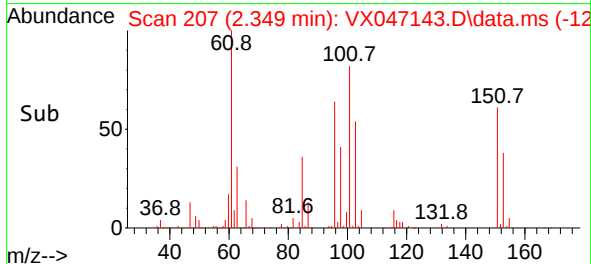
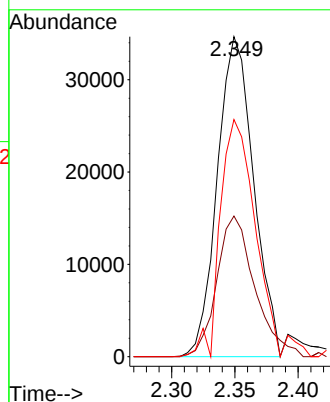
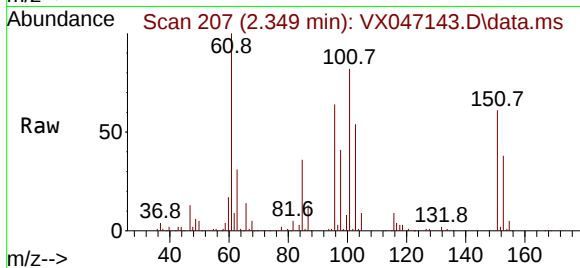
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1,1,2-Trichlorotrifluoroethane
Concen: 20.132 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047143.D
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ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 69204
Ion Ratio Lower Upper
101 100
85 45.9 0.0 91.8
151 68.6 0.0 137.2

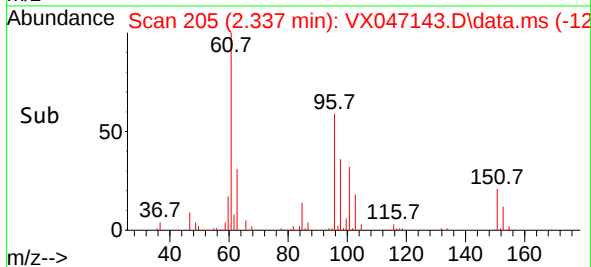
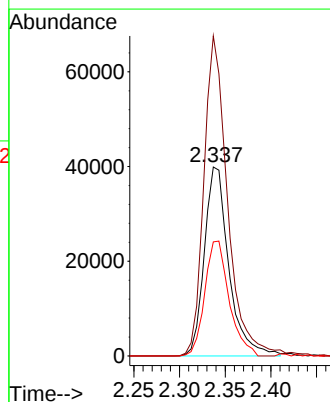
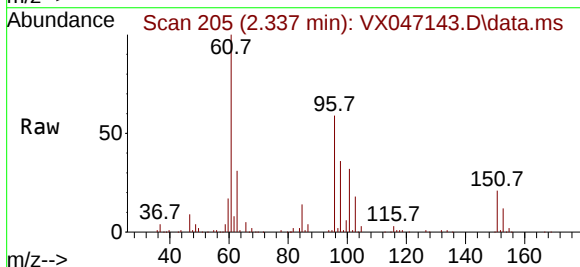
Manual Integrations
APPROVED

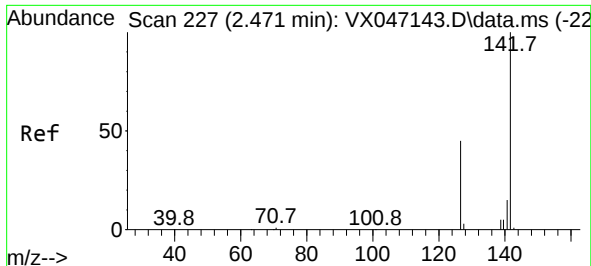
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#10
1,1-Dichloroethene
Concen: 21.179 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

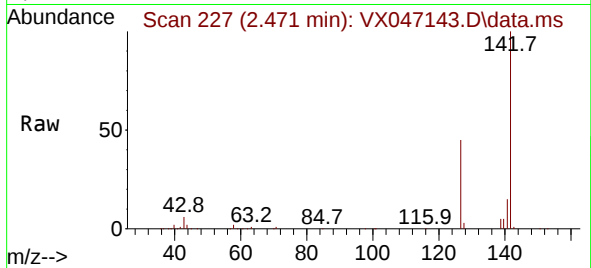
Tgt Ion: 96 Resp: 74482
Ion Ratio Lower Upper
96 100
61 181.9 145.5 218.3
98 61.9 49.5 74.3





#11
Methyl Iodide
Concen: 17.800 ug/l
RT: 2.471 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

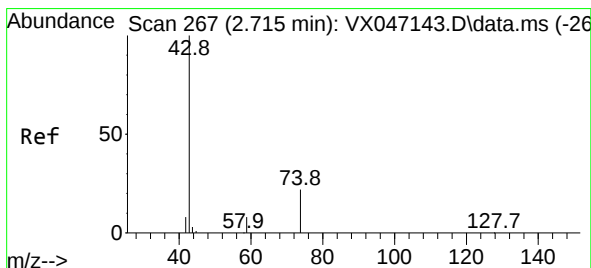
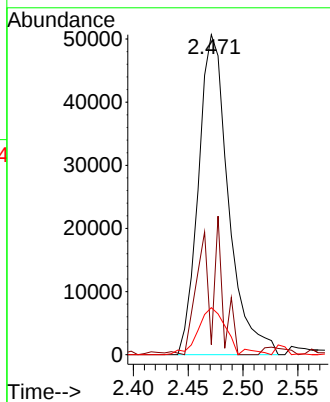
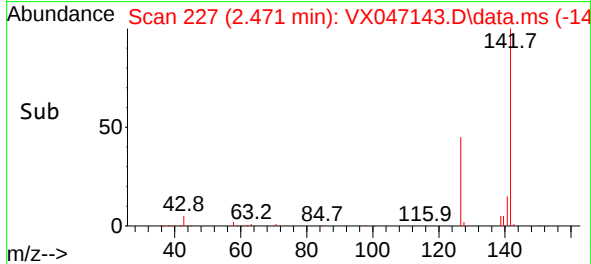
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 9661
Ion Ratio Lower Upper
142 100
127 1.9 0.9 2.8
141 111.0 55.5 166.5

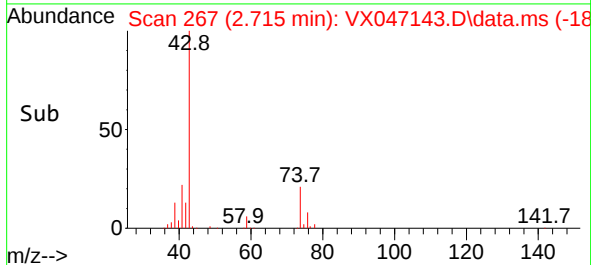
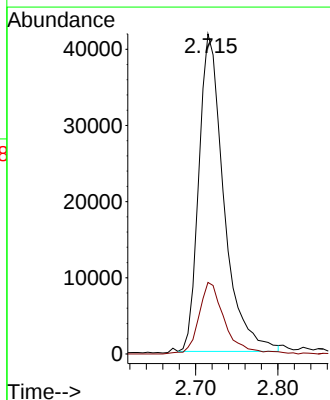
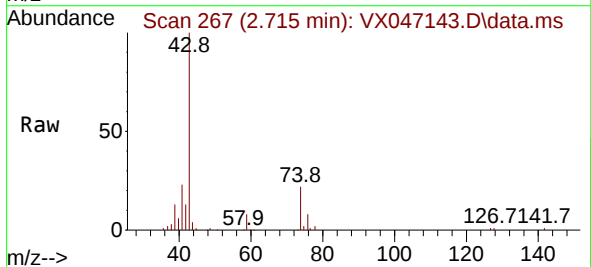
Manual Integrations
APPROVED

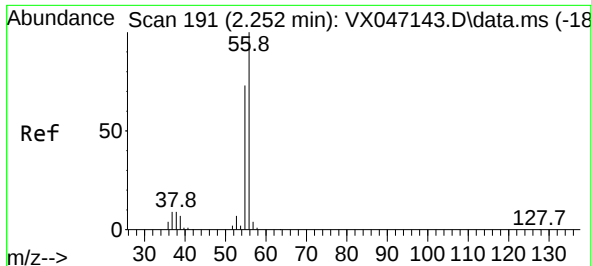
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#12
Methyl Acetate
Concen: 20.170 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 43 Resp: 88294
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6





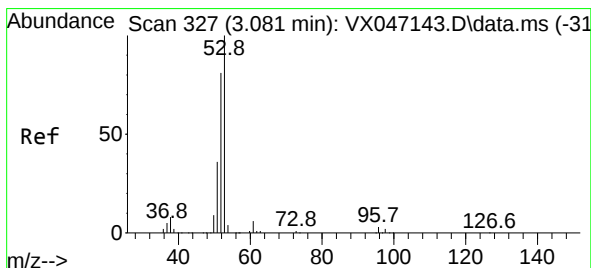
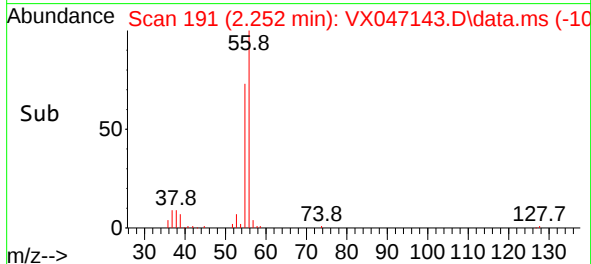
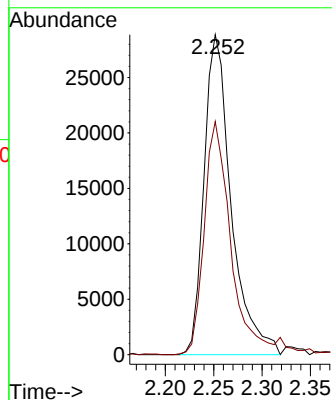
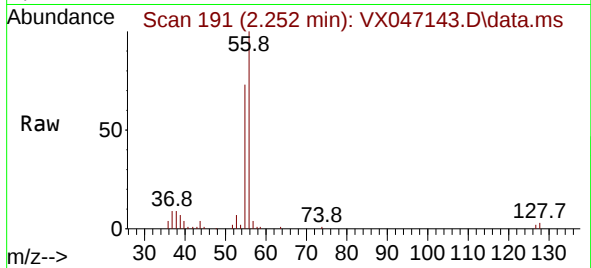
#13
Acrolein
Concen: 96.193 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 56 Resp: 56312
Ion Ratio Lower Upper
56 100
55 71.0 56.8 85.2

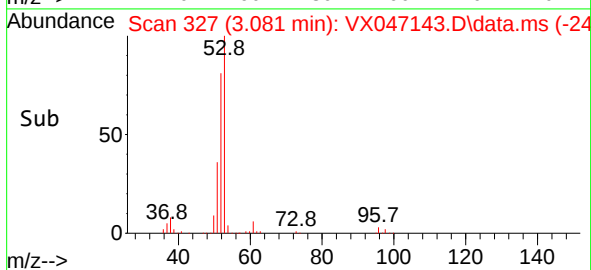
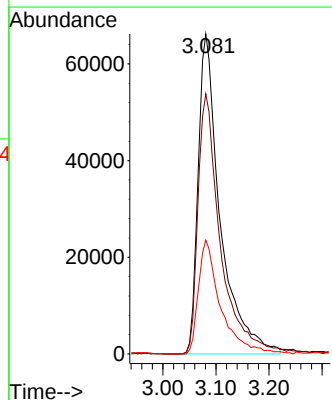
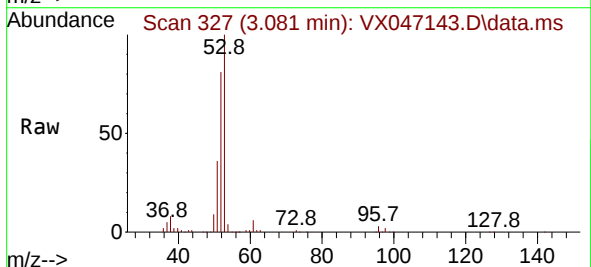
Manual Integrations
APPROVED

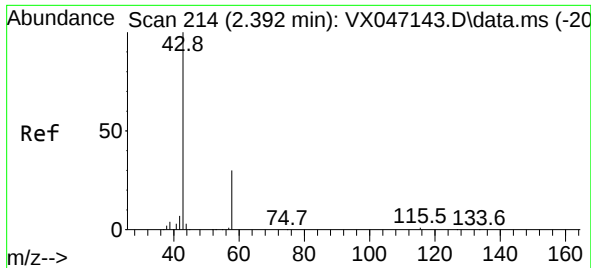
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#14
Acrylonitrile
Concen: 105.819 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

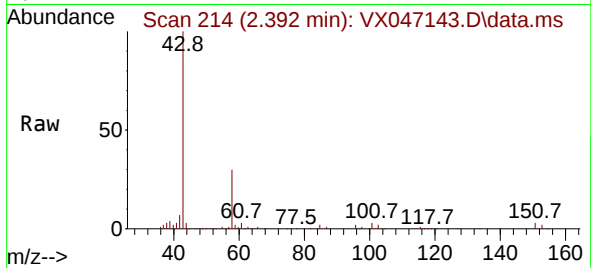
Tgt Ion: 53 Resp: 191172
Ion Ratio Lower Upper
53 100
52 82.5 41.3 123.7
51 34.3 17.2 51.5





#15
Acetone
Concen: 105.801 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

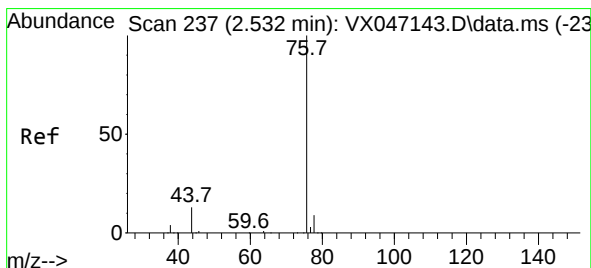
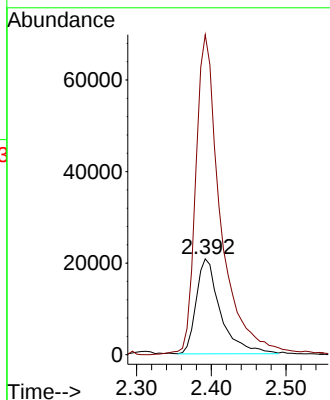
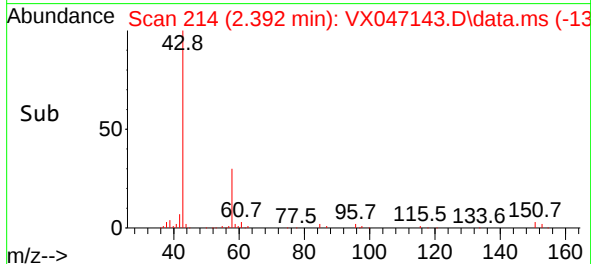
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



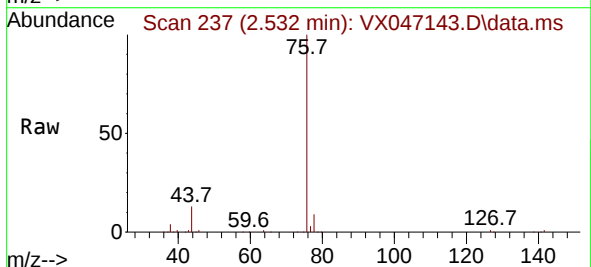
Tgt Ion: 58 Resp: 46923
Ion Ratio Lower Upper
58 100
43 333.6 266.9 400.3

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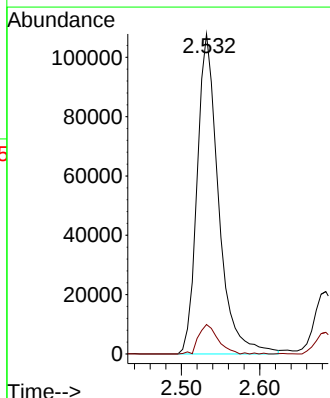
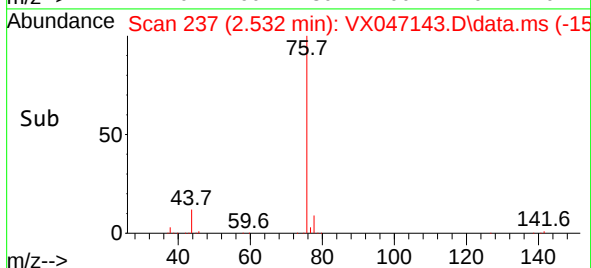
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

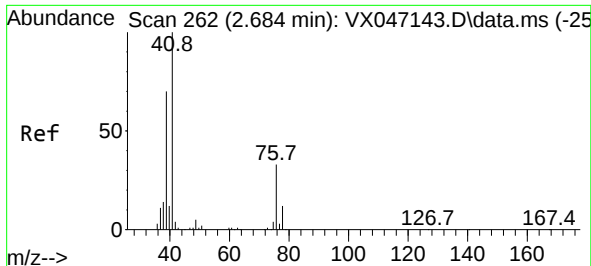


#16
Carbon Disulfide
Concen: 20.111 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



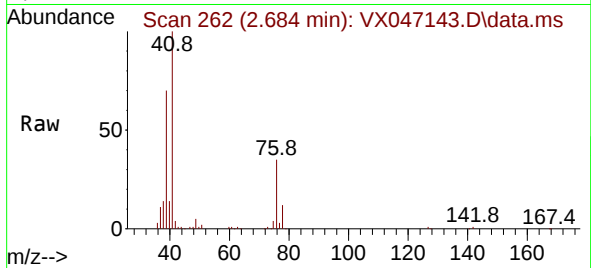
Tgt Ion: 76 Resp: 205040
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7





#17
 Allyl chloride
 Concen: 20.593 ug/l
 RT: 2.684 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40

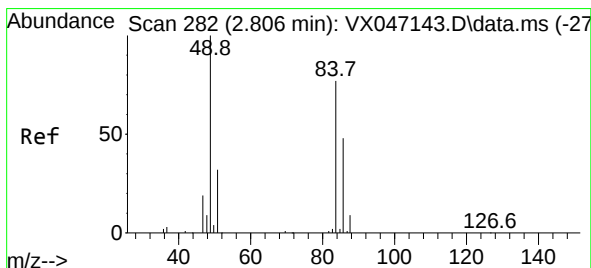
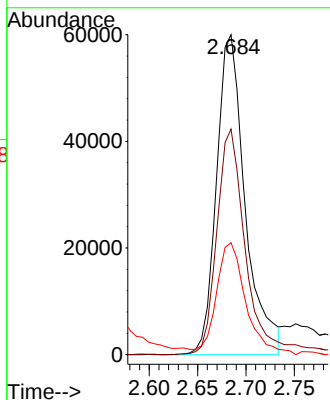
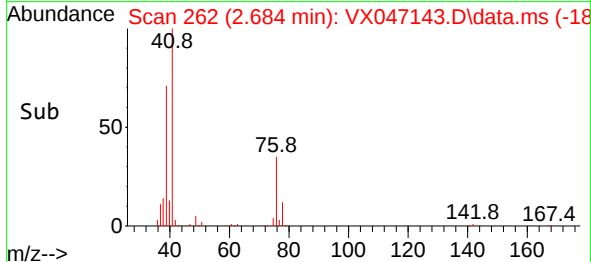
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 41 Resp: 123725
 Ion Ratio Lower Upper
 41 100
 39 68.5 34.3 102.8
 76 33.3 16.7 50.0

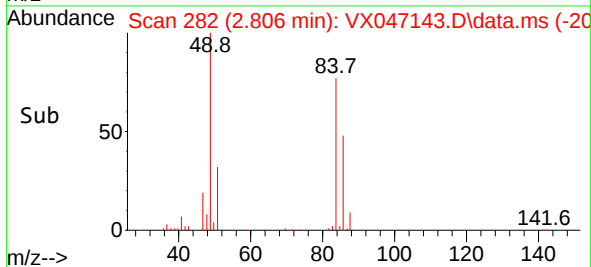
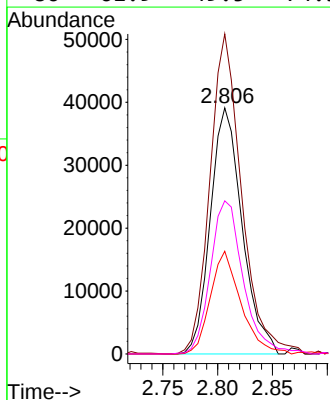
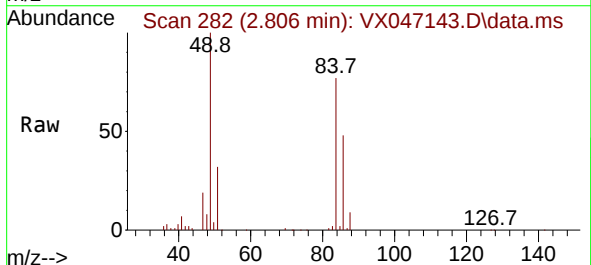
Manual Integrations
 APPROVED

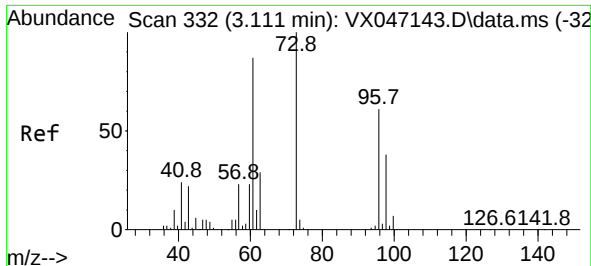
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/28/2025



#18
 Methylene Chloride
 Concen: 20.745 ug/l
 RT: 2.806 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40

Tgt Ion: 84 Resp: 78740
 Ion Ratio Lower Upper
 84 100
 49 134.9 107.9 161.9
 51 41.8 33.4 50.2
 86 61.9 49.5 74.3





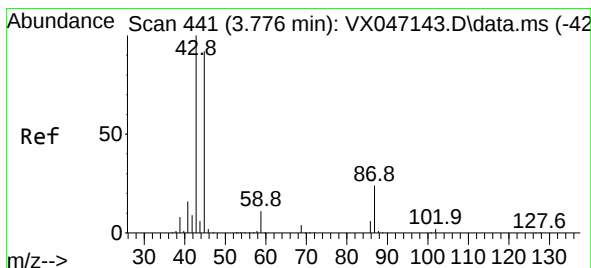
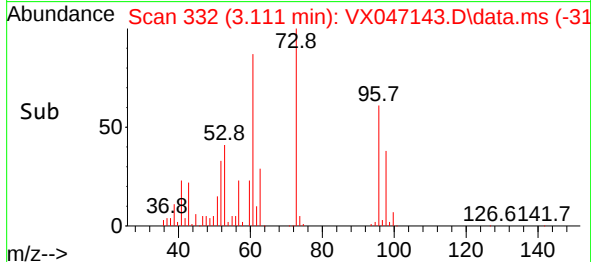
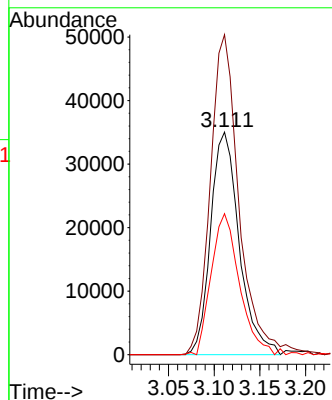
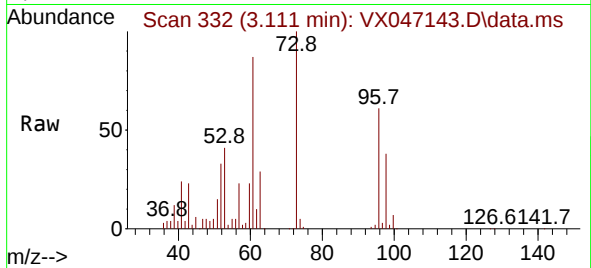
#19
trans-1,2-Dichloroethene
Concen: 21.137 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 96 Resp: 76128
Ion Ratio Lower Upper
96 100
61 152.9 122.3 183.5
98 62.7 50.2 75.2

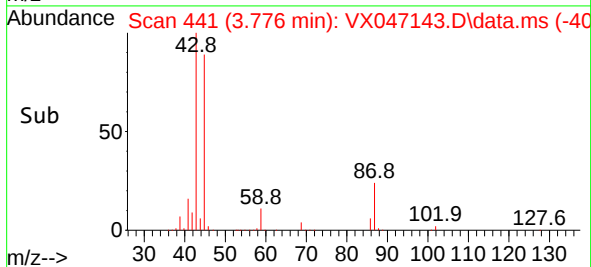
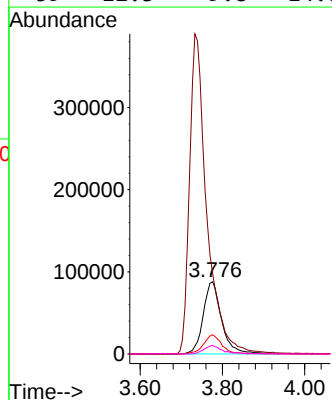
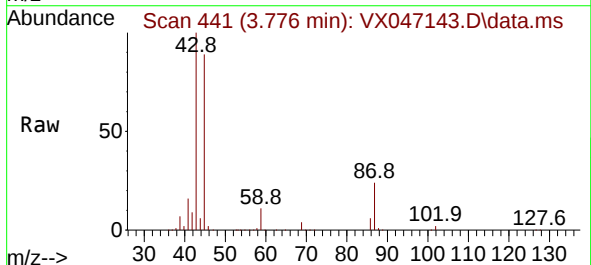
Manual Integrations
APPROVED

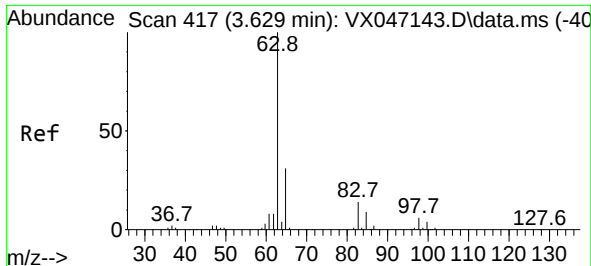
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#20
Diisopropyl ether
Concen: 21.343 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 45 Resp: 274205
Ion Ratio Lower Upper
45 100
43 111.4 89.1 133.7
87 26.6 21.3 31.9
59 12.3 9.8 14.8





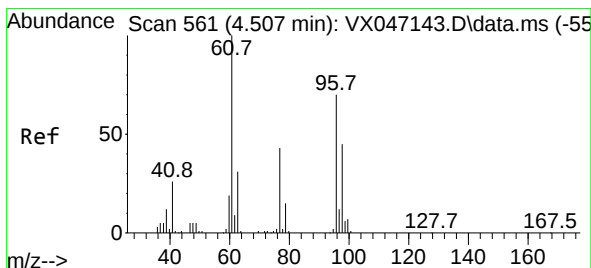
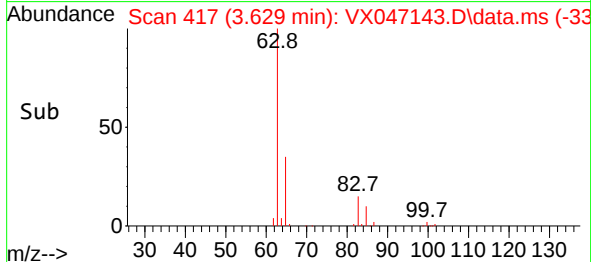
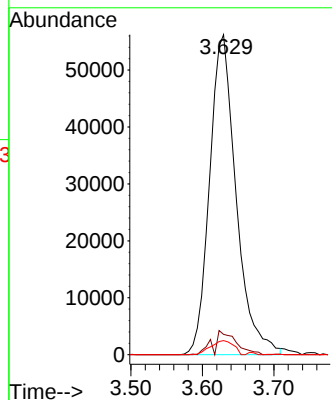
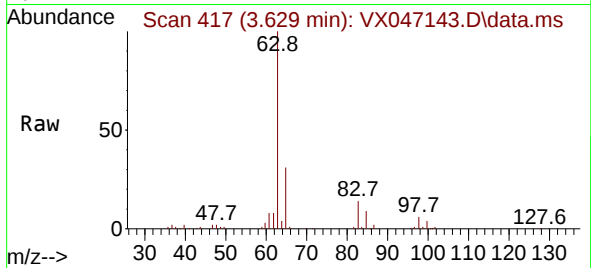
#21
1,1-Dichloroethane
Concen: 20.727 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 14493
Ion Ratio Lower Upper
63 100
98 7.0 3.5 10.5
100 4.4 2.2 6.6

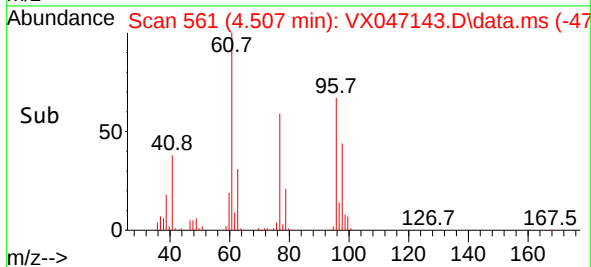
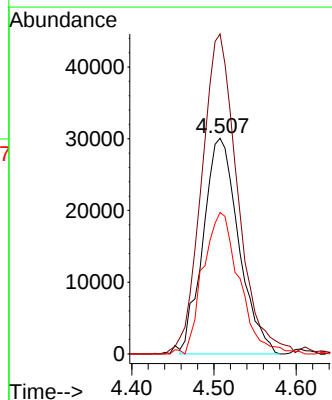
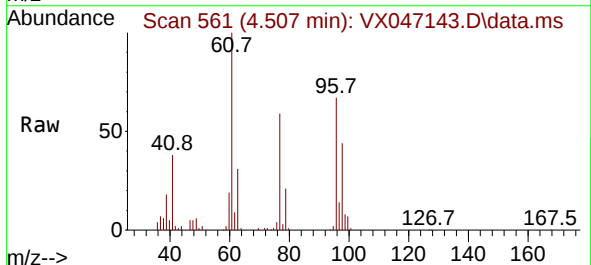
Manual Integrations
APPROVED

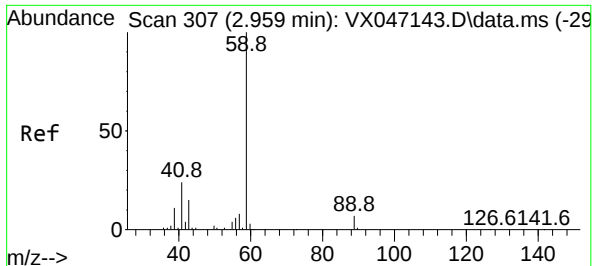
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#22
cis-1,2-Dichloroethene
Concen: 20.585 ug/l
RT: 4.507 min Scan# 561
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 96 Resp: 90531
Ion Ratio Lower Upper
96 100
61 150.0 120.0 180.0
98 66.0 52.8 79.2





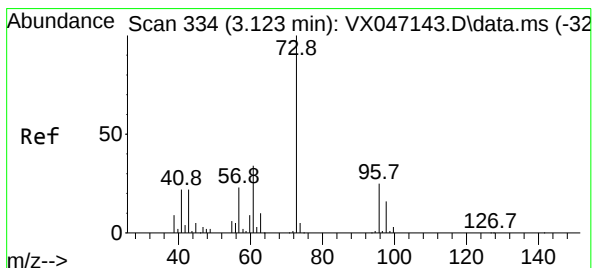
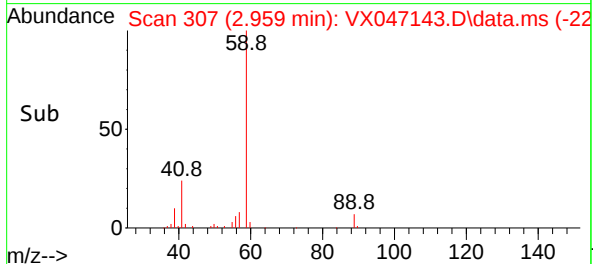
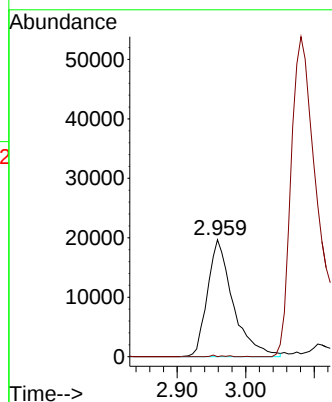
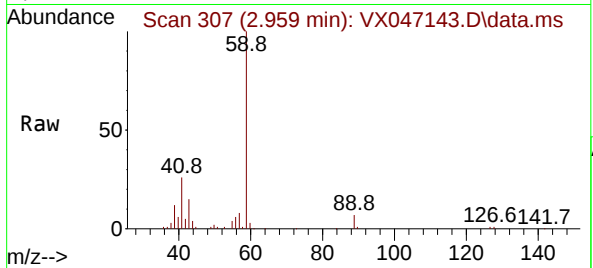
#23
tert-Butyl Alcohol
Concen: 101.814 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 59 Resp: 51065
Ion Ratio Lower Upper
59 100
52 0.2 0.2 0.2

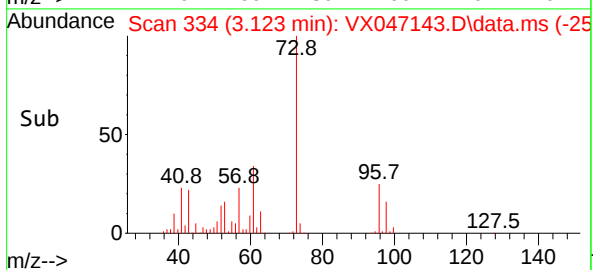
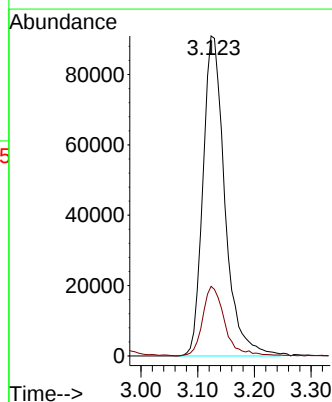
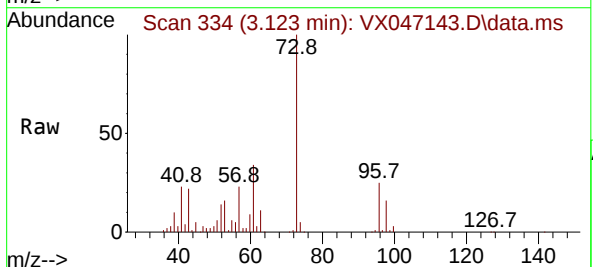
Manual Integrations
APPROVED

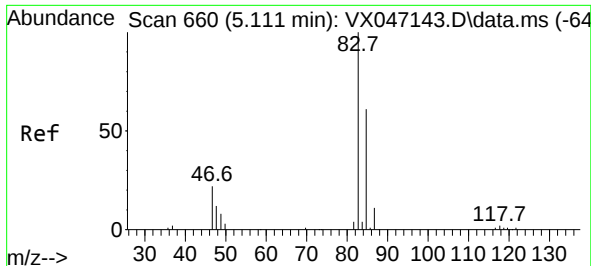
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#24
Methyl tert-Butyl Ether
Concen: 20.733 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 73 Resp: 244230
Ion Ratio Lower Upper
73 100
43 21.1 16.9 25.3





#25

Chloroform

Concen: 21.160 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 145678

Ion Ratio Lower Upper

83 100

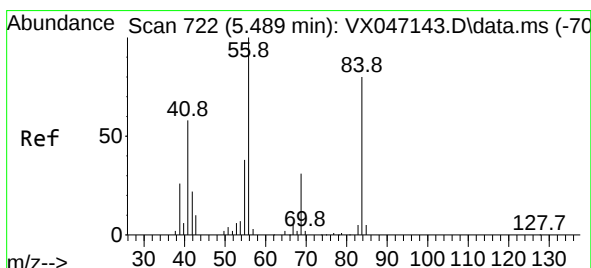
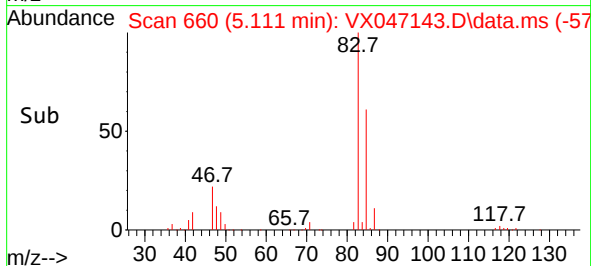
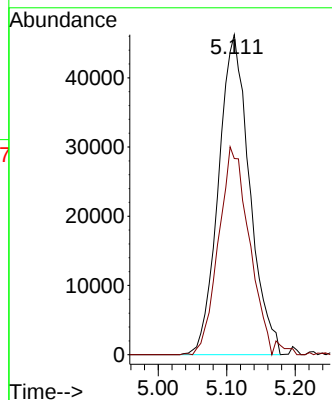
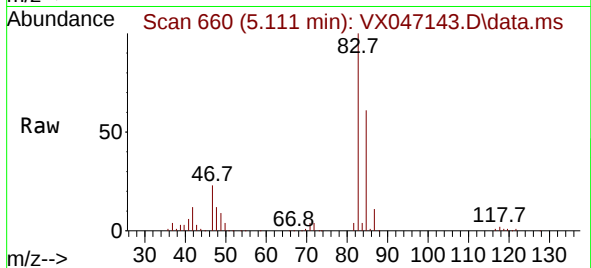
85 60.0 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#26

Cyclohexane

Concen: 20.220 ug/l

RT: 5.489 min Scan# 722

Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

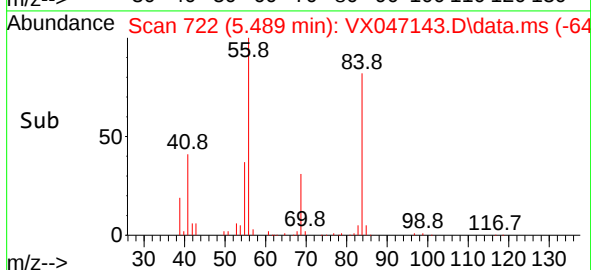
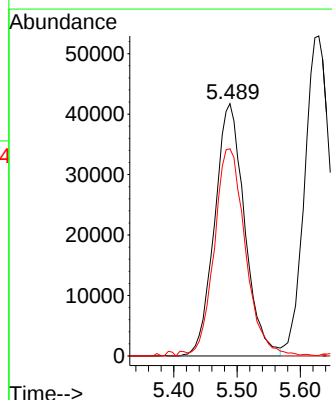
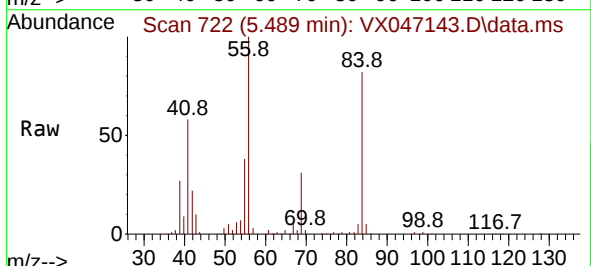
Tgt Ion: 56 Resp: 137289

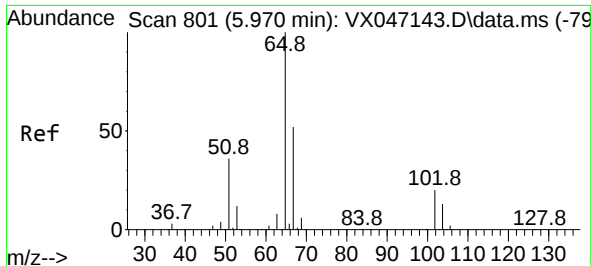
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.9 67.9 101.9





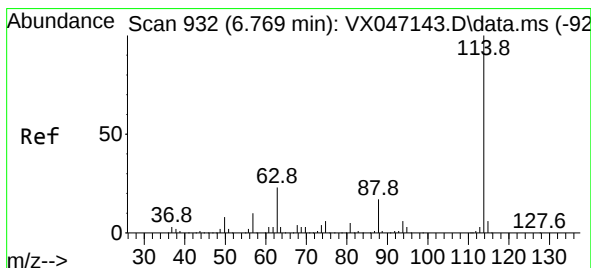
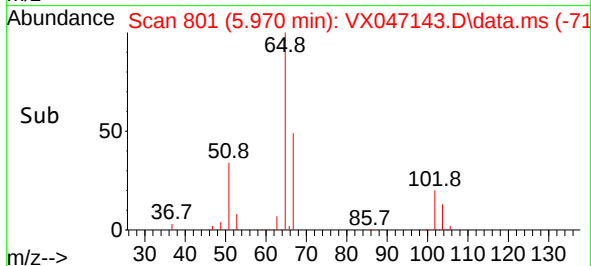
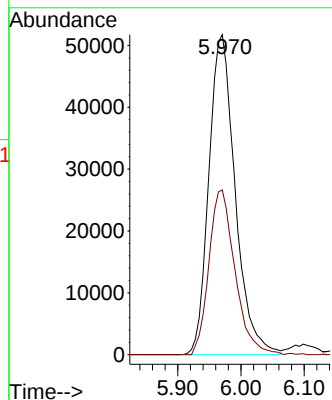
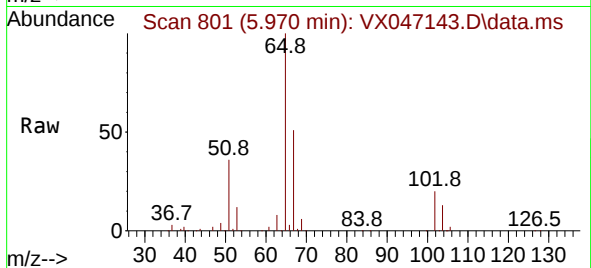
#27
1,2-Dichloroethane-d4
Concen: 34.036 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 65 Resp: 14943
Ion Ratio Lower Upper
65 100
67 50.9 40.7 61.1

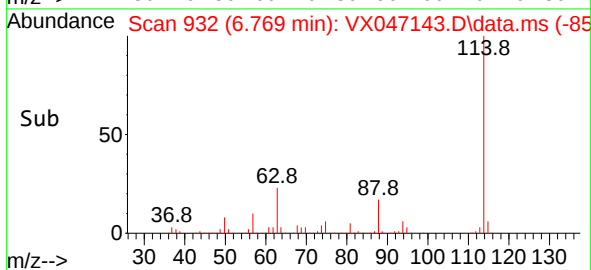
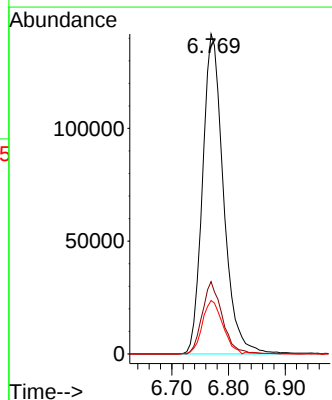
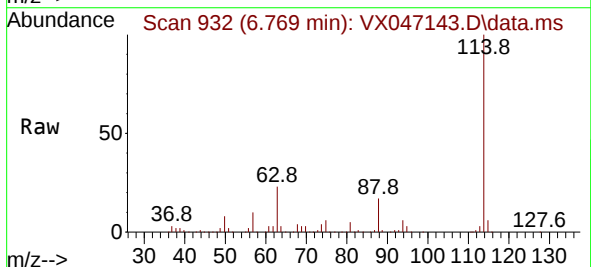
Manual Integrations
APPROVED

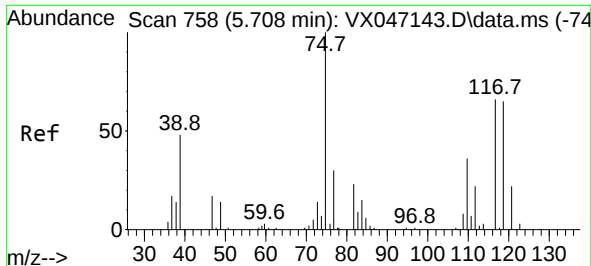
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

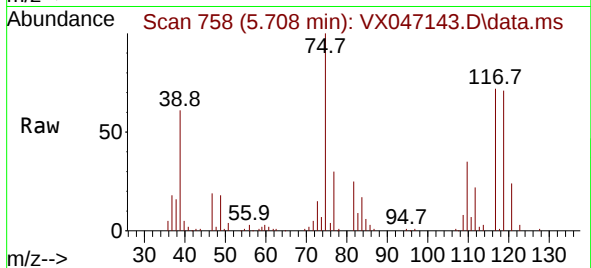
Tgt Ion:114 Resp: 362797
Ion Ratio Lower Upper
114 100
63 21.7 17.4 26.0
88 16.3 13.0 19.6





#29
1,1-Dichloropropene
Concen: 18.480 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

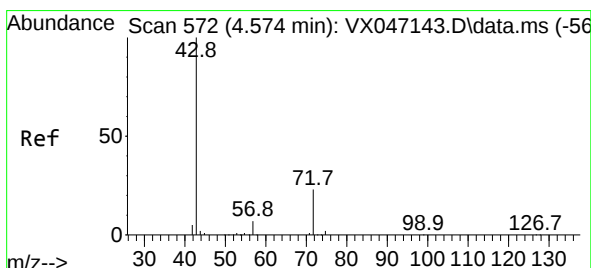
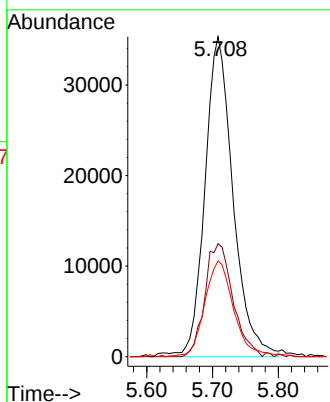
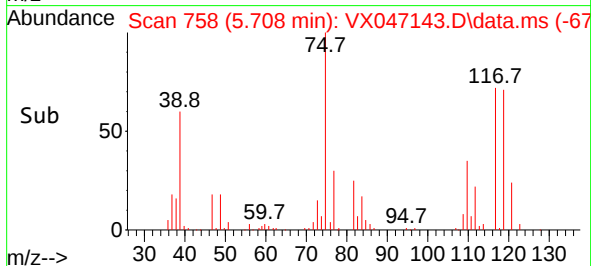
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 10442
Ion Ratio Lower Upper
75 100
110 35.4 0.0 70.8
77 30.8 0.0 61.6

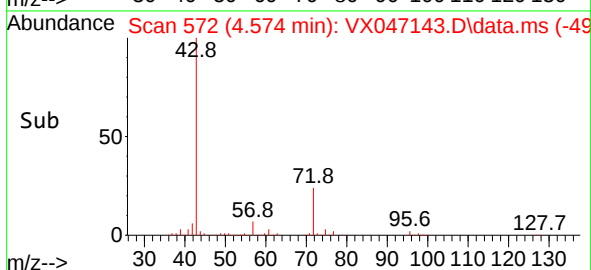
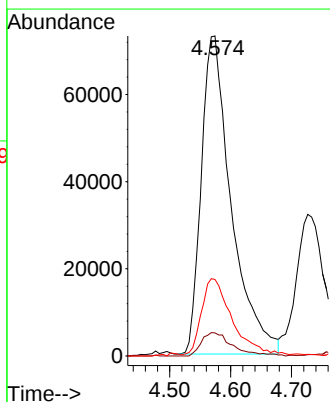
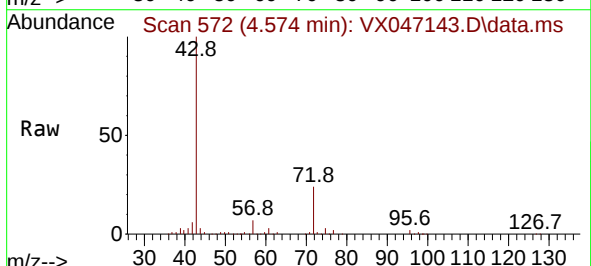
Manual Integrations
APPROVED

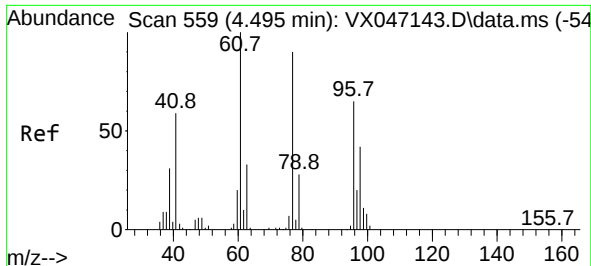
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#30
2-Butanone
Concen: 93.607 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 43 Resp: 249832
Ion Ratio Lower Upper
43 100
57 7.4 5.9 8.9
72 25.2 20.2 30.2





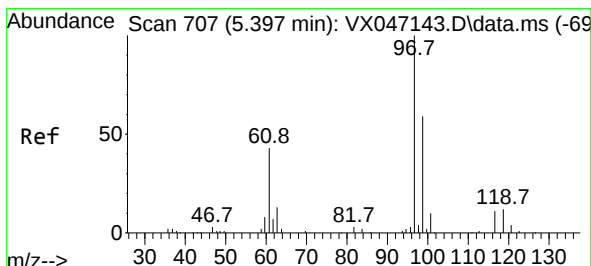
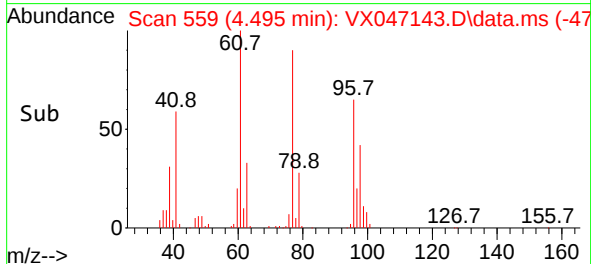
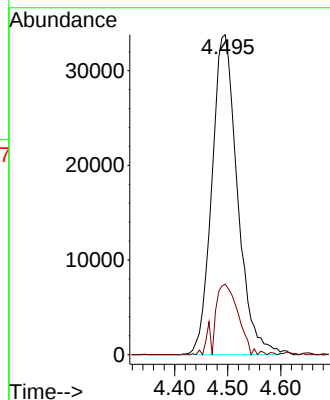
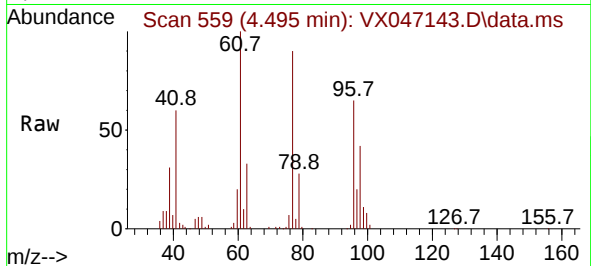
#31
2,2-Dichloropropane
Concen: 18.658 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 11320
Ion Ratio Lower Upper
77 100
97 18.1 14.5 21.7

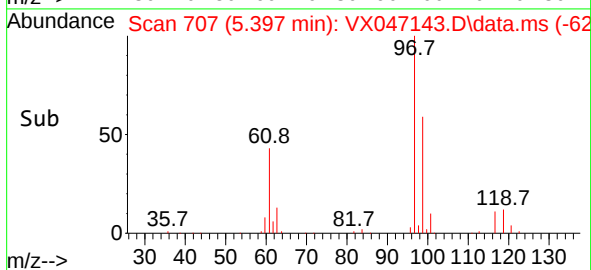
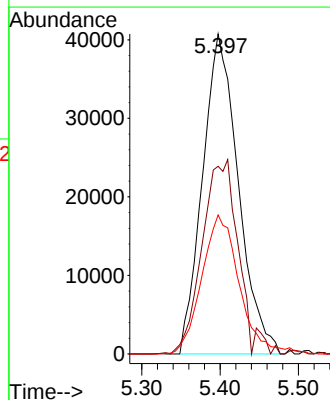
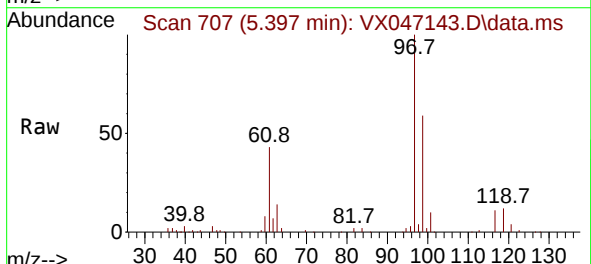
Manual Integrations
APPROVED

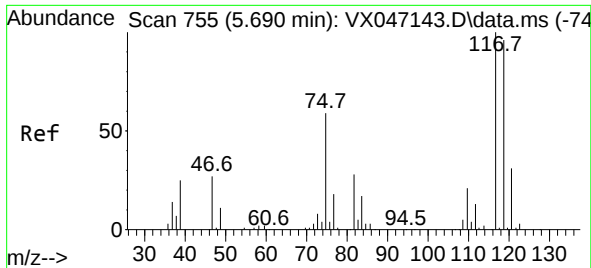
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#32
1,1,1-Trichloroethane
Concen: 18.477 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

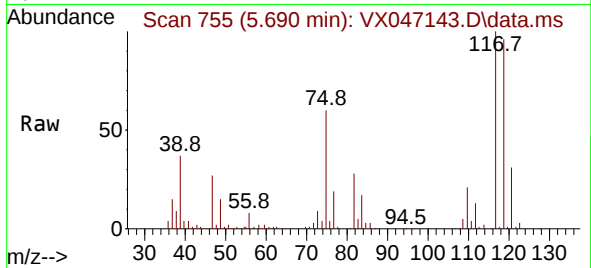
Tgt Ion: 97 Resp: 129287
Ion Ratio Lower Upper
97 100
99 37.5 30.0 45.0
61 45.1 36.1 54.1





#33
Carbon Tetrachloride
Concen: 18.032 ug/l m
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

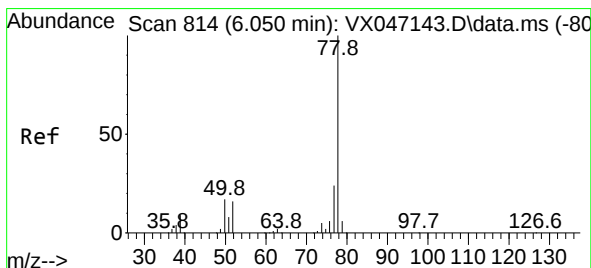
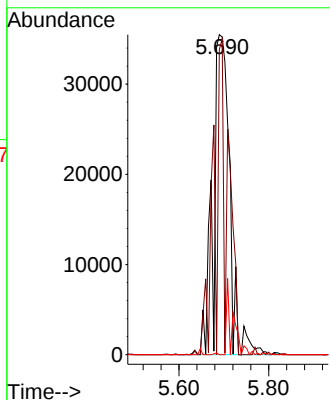
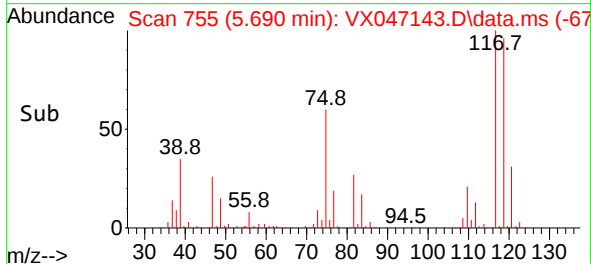
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 89275
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 0.6 0.5 0.7

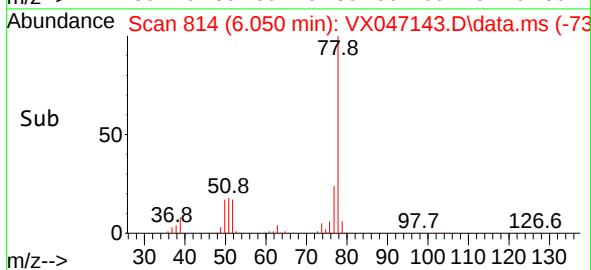
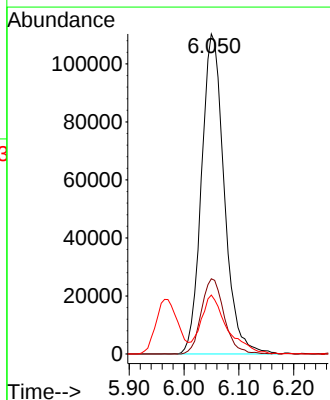
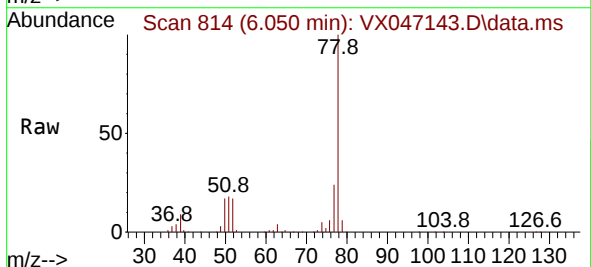
Manual Integrations
APPROVED

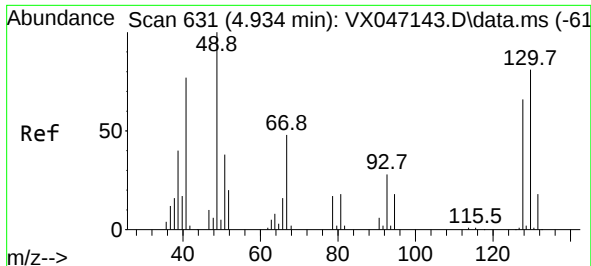
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#34
Benzene
Concen: 19.001 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

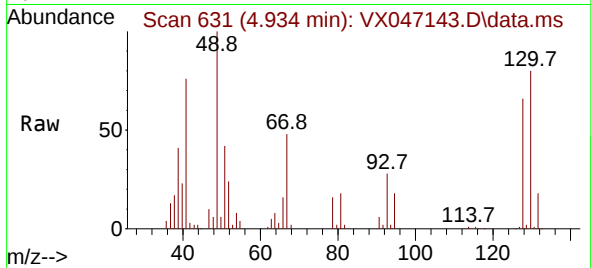
Tgt Ion: 78 Resp: 316973
Ion Ratio Lower Upper
78 100
77 22.0 17.6 26.4
51 17.2 13.8 20.6





#35
Methacrylonitrile
Concen: 18.834 ug/l
RT: 4.934 min Scan# 631
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

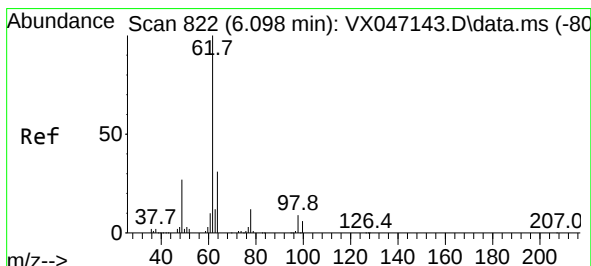
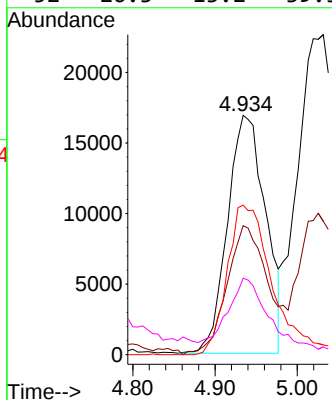
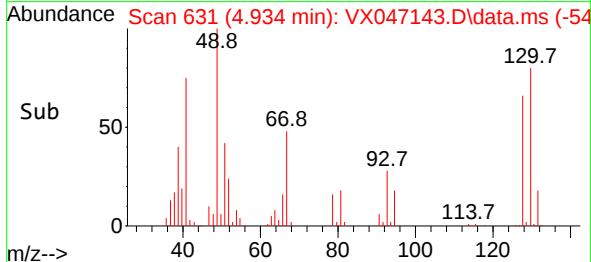
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



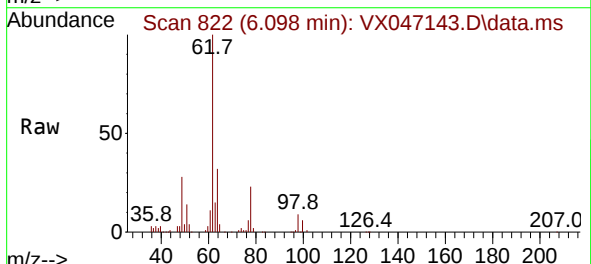
Tgt Ion: 41 Resp: 54340
Ion Ratio Lower Upper
41 100
39 52.3 26.2 78.5
67 62.9 31.4 94.3
52 26.3 13.2 39.5

Manual Integrations
APPROVED

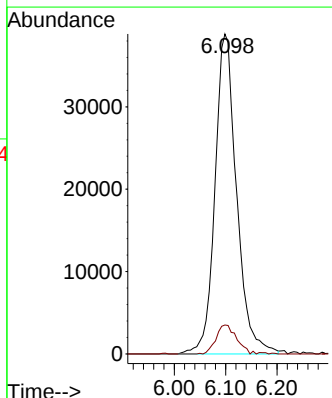
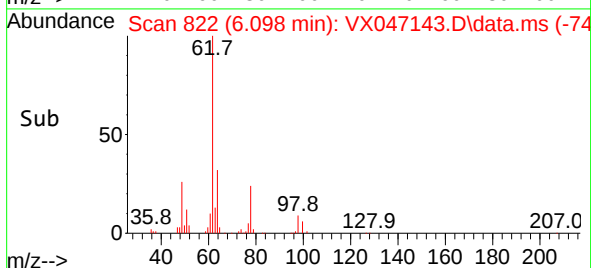
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

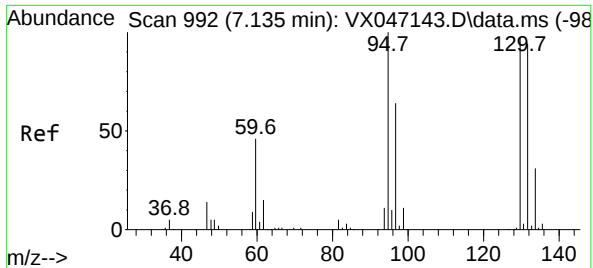


#36
1,2-Dichloroethane
Concen: 18.943 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



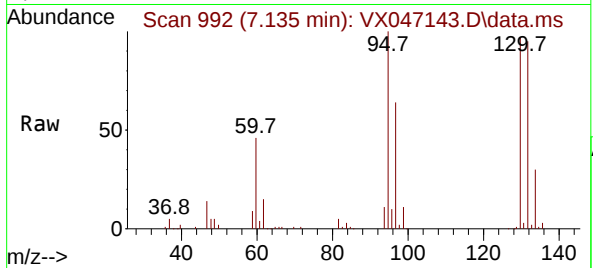
Tgt Ion: 62 Resp: 113486
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#37
Trichloroethene
Concen: 18.855 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

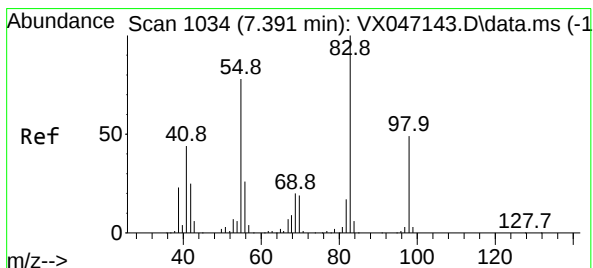
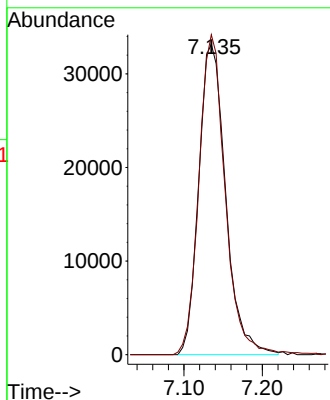
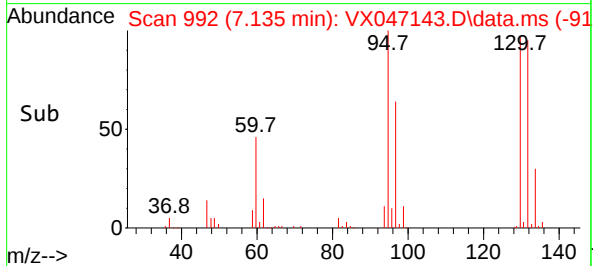
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



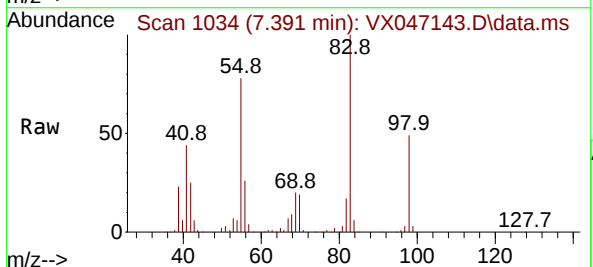
Tgt Ion:130 Resp: 79150
Ion Ratio Lower Upper
130 100
95 99.3 79.4 119.2

Manual Integrations
APPROVED

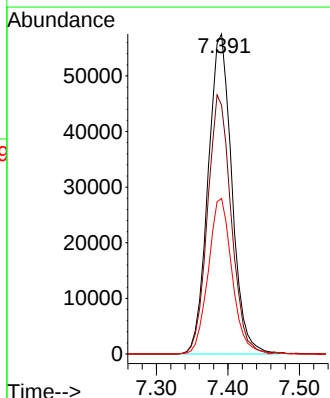
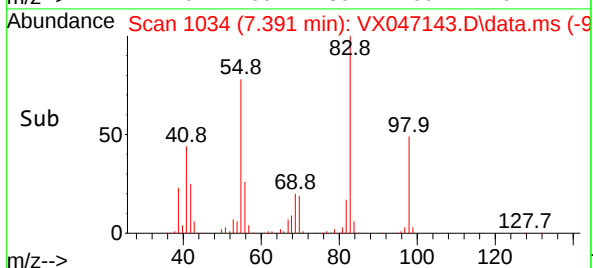
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

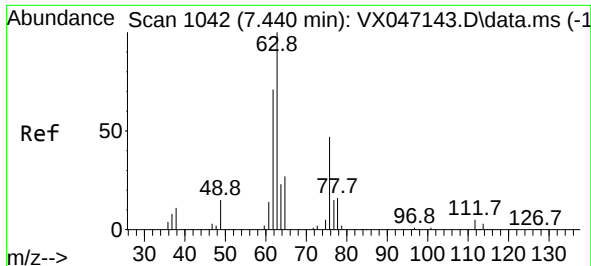


#38
Methylcyclohexane
Concen: 18.215 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



Tgt Ion: 83 Resp: 132690
Ion Ratio Lower Upper
83 100
55 80.5 40.3 120.8
98 48.6 24.3 72.9





#39

1,2-Dichloropropane

Concen: 18.552 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 7934

Ion Ratio Lower Upper

63 100

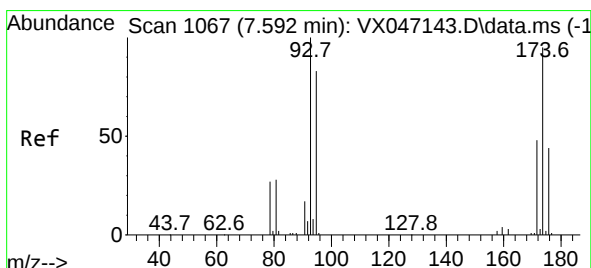
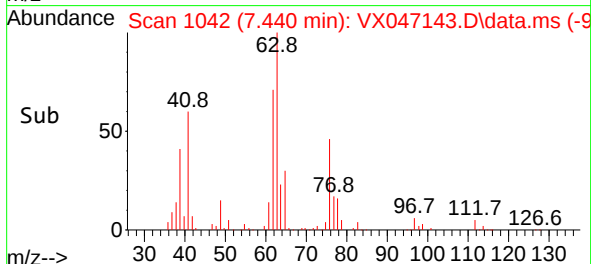
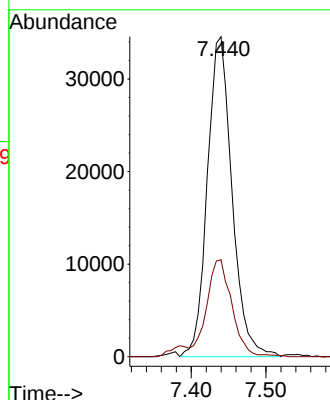
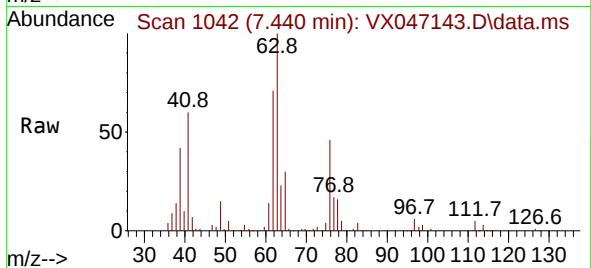
65 24.7 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#40

Dibromomethane

Concen: 18.608 ug/l m

RT: 7.592 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

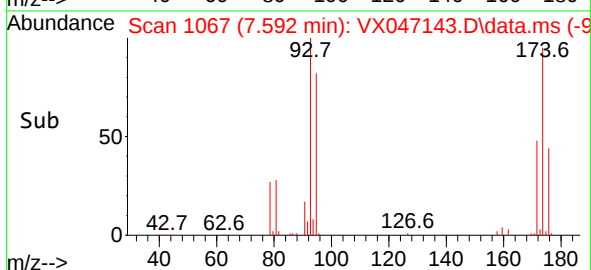
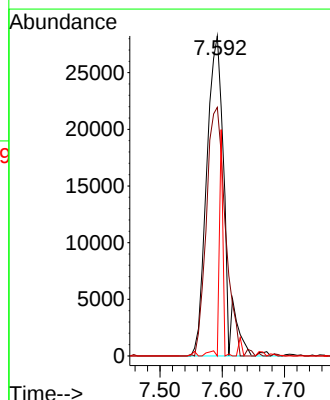
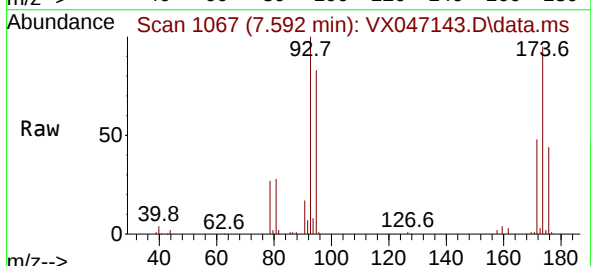
Tgt Ion: 93 Resp: 55514

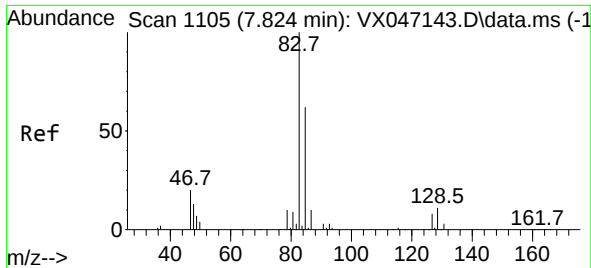
Ion Ratio Lower Upper

93 100

95 82.7 0.0 166.2

174 13.2 0.0 26.4





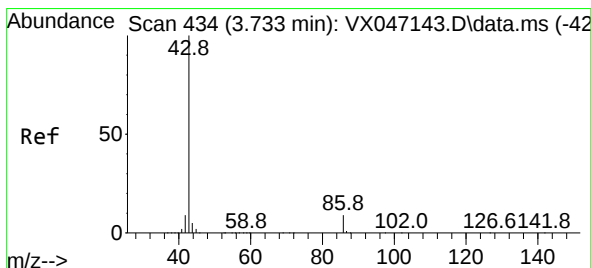
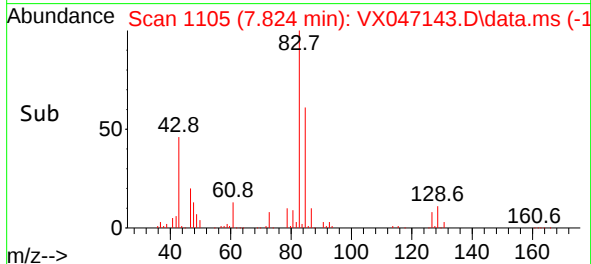
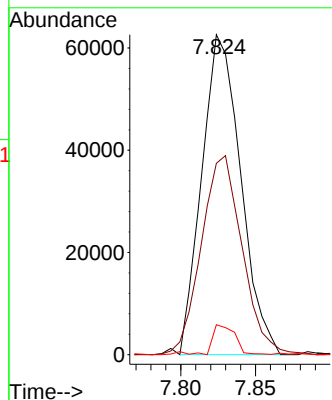
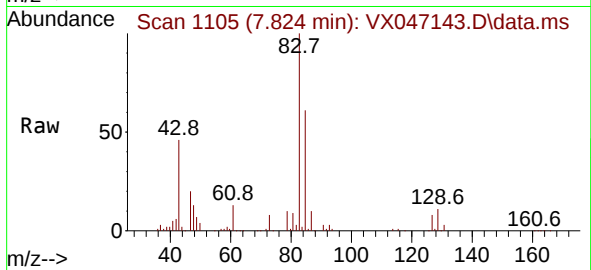
#41
Bromodichloromethane
Concen: 18.167 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 113415
Ion Ratio Lower Upper
83 100
85 59.0 47.2 70.8
127 8.9 7.1 10.7

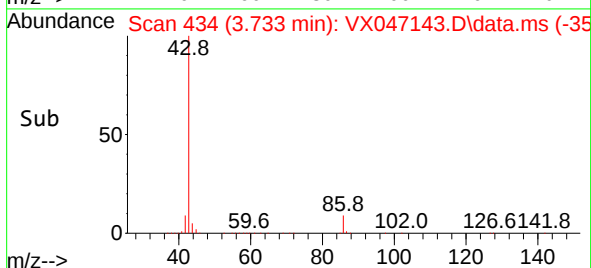
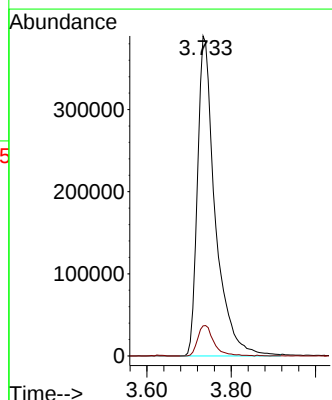
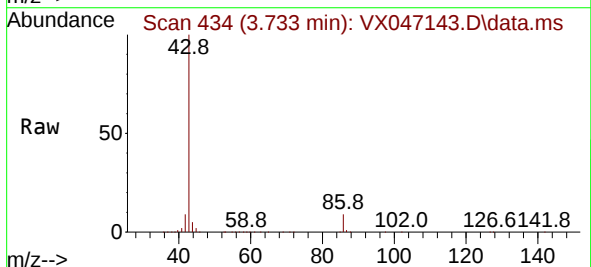
Manual Integrations
APPROVED

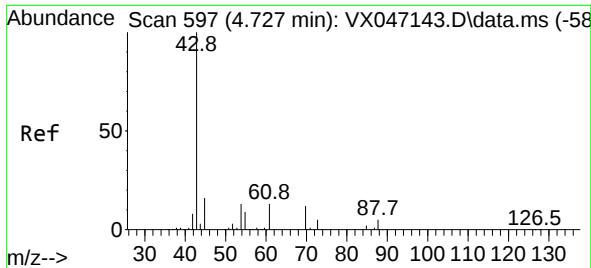
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#42
Vinyl Acetate
Concen: 92.842 ug/l
RT: 3.733 min Scan# 434
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 43 Resp: 1139121
Ion Ratio Lower Upper
43 100
86 8.6 6.9 10.3





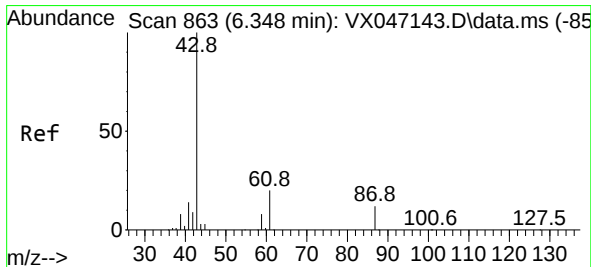
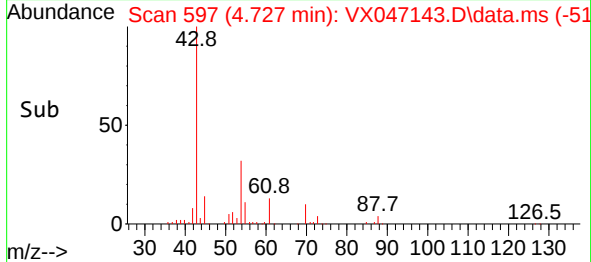
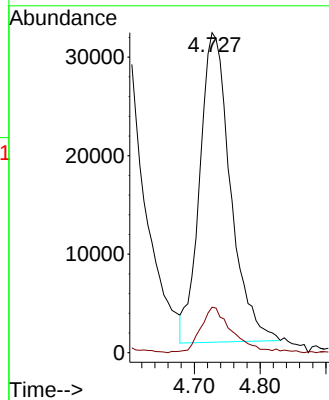
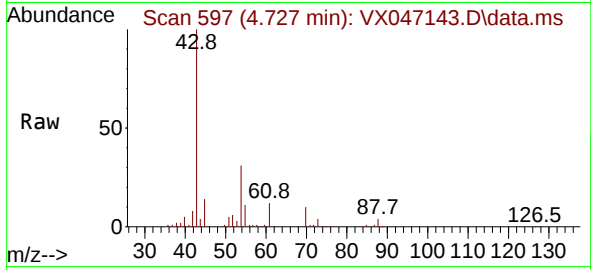
#43
Ethyl Acetate
Concen: 16.811 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 102309
Ion Ratio Lower Upper
43 100
45 14.6 10.6 16.0

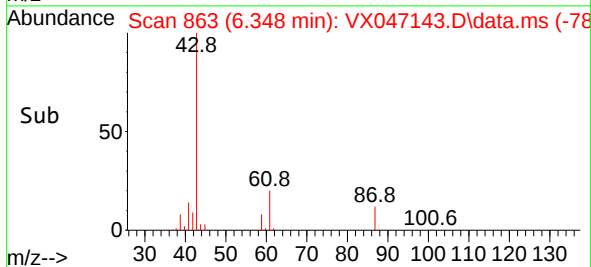
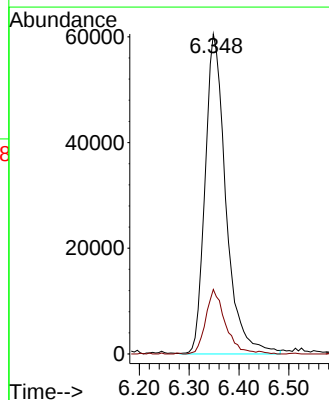
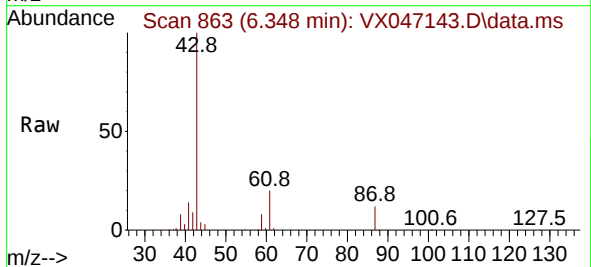
Manual Integrations
APPROVED

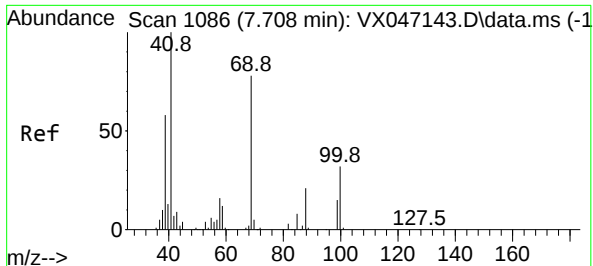
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#44
Isopropyl Acetate
Concen: 18.322 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 43 Resp: 175437
Ion Ratio Lower Upper
43 100
61 18.4 14.7 22.1





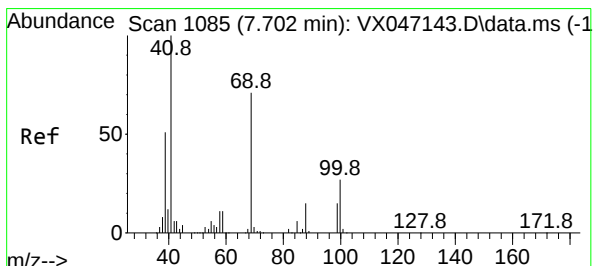
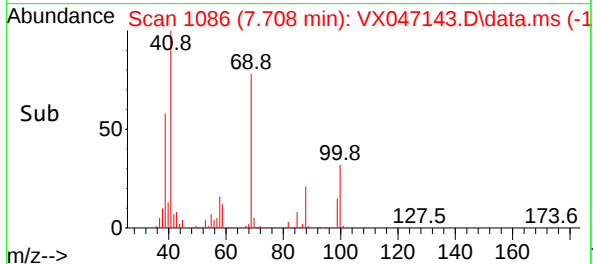
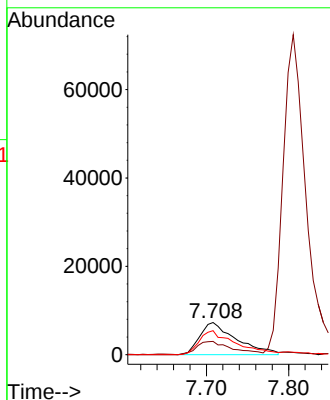
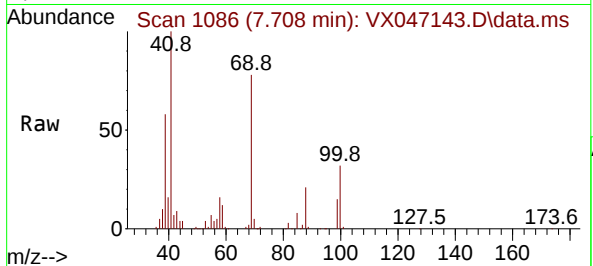
#45
1,4-Dioxane
Concen: 375.333 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 88 Resp: 2246
Ion Ratio Lower Upper
88 100
43 40.1 30.2 45.2
58 44.3 33.3 49.9

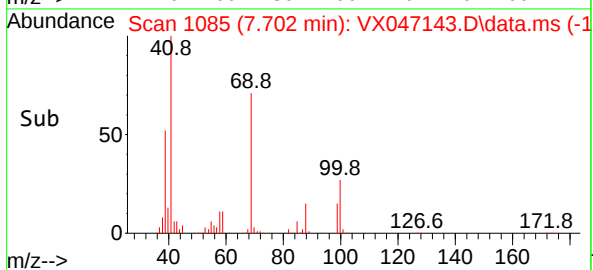
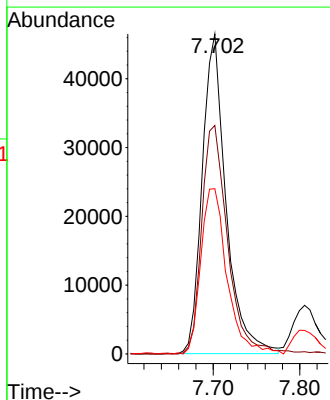
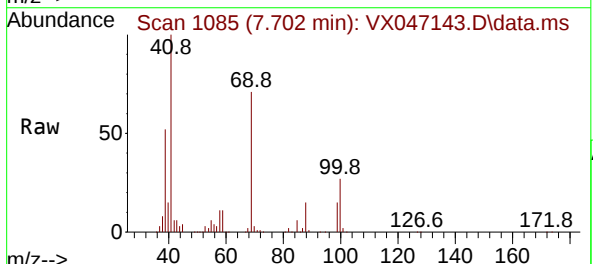
Manual Integrations
APPROVED

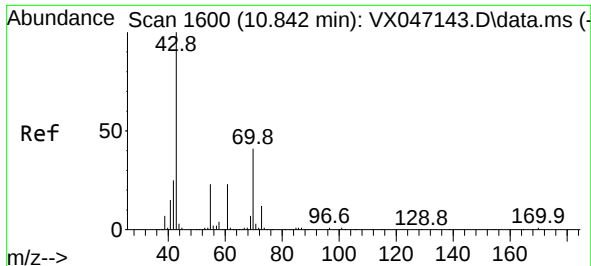
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#46
Methyl methacrylate
Concen: 18.089 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

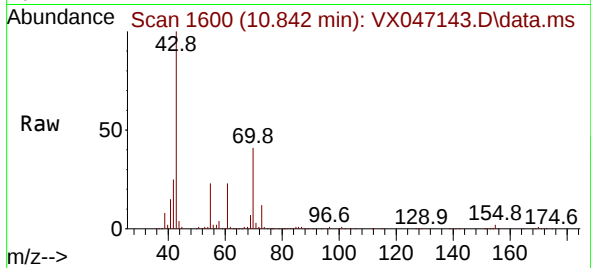
Tgt Ion: 41 Resp: 88881
Ion Ratio Lower Upper
41 100
69 71.5 35.8 107.3
39 48.9 24.4 73.4





#47
n-amyl acetate
Concen: 18.623 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

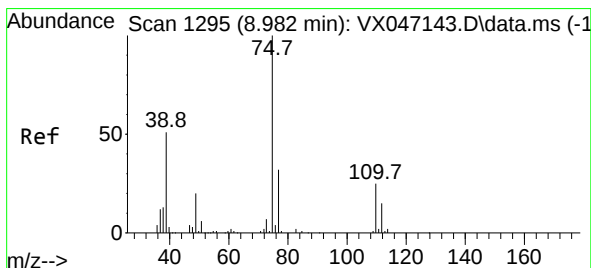
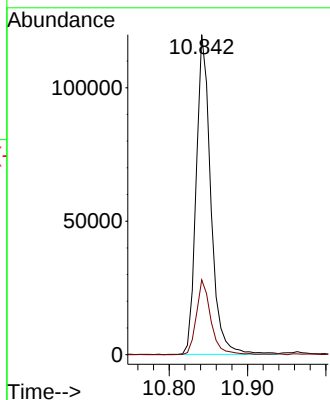
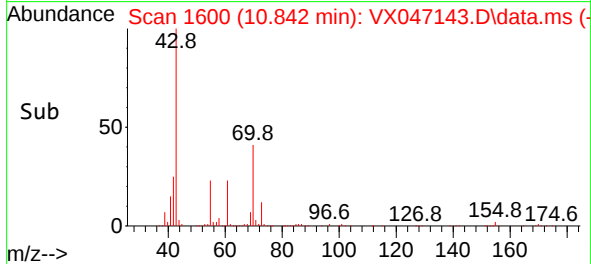
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 155914
Ion Ratio Lower Upper
43 100
55 23.0 18.4 27.6

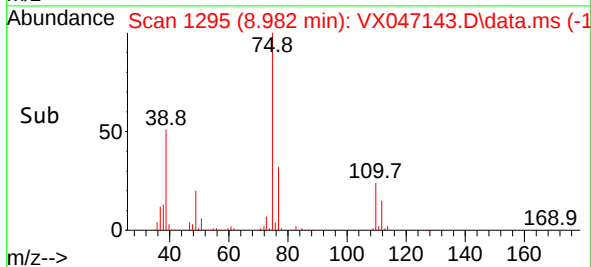
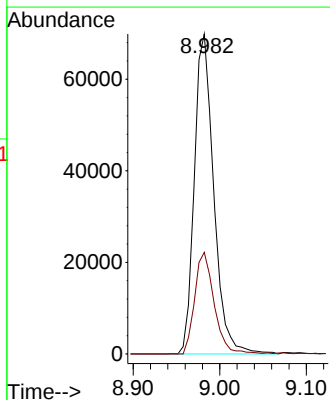
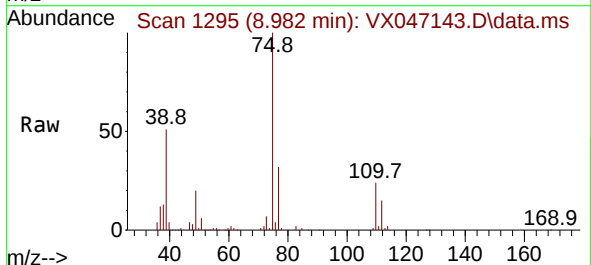
Manual Integrations
APPROVED

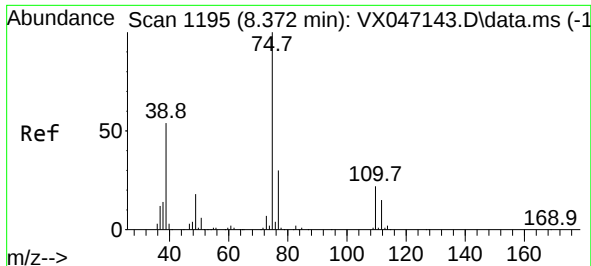
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#48
t-1,3-Dichloropropene
Concen: 18.031 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

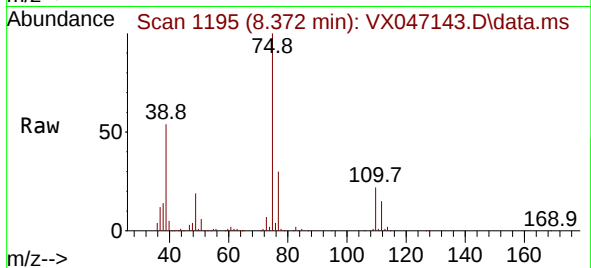
Tgt Ion: 75 Resp: 108794
Ion Ratio Lower Upper
75 100
77 30.5 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 18.232 ug/l
 RT: 8.372 min Scan# 1195
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40

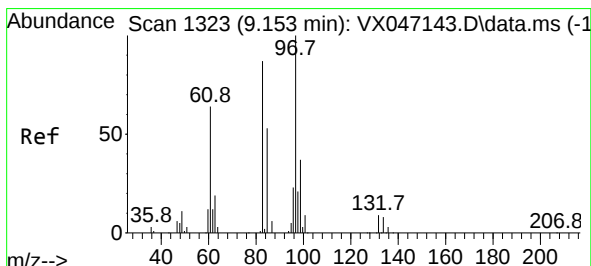
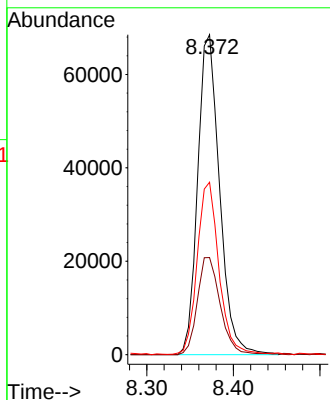
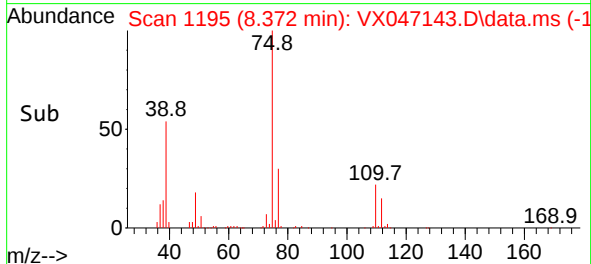
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



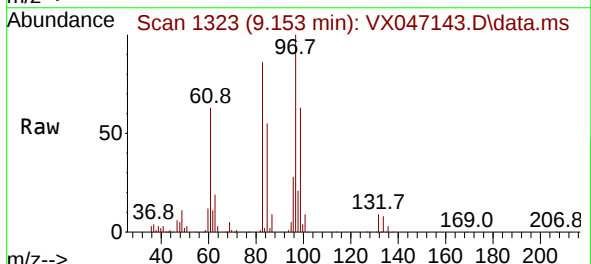
Tgt Ion: 75 Resp: 12033
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7
 39 53.4 42.7 64.1

Manual Integrations
 APPROVED

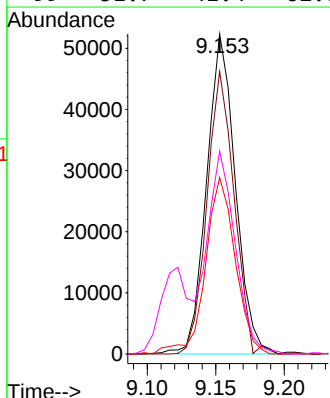
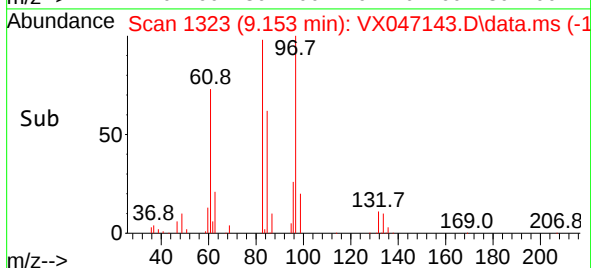
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/28/2025

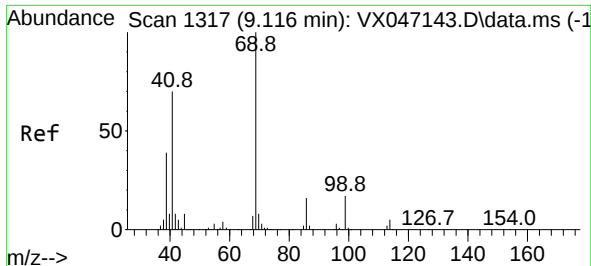


#50
 1,1,2-Trichloroethane
 Concen: 19.101 ug/l
 RT: 9.153 min Scan# 1323
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40



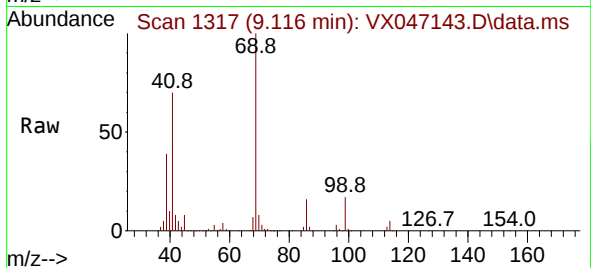
Tgt Ion: 97 Resp: 75783
 Ion Ratio Lower Upper
 97 100
 83 72.9 58.3 87.5
 85 45.6 36.5 54.7
 99 51.7 41.4 62.0





#51
Ethyl methacrylate
Concen: 18.516 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

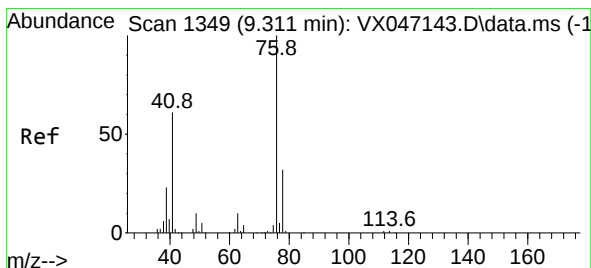
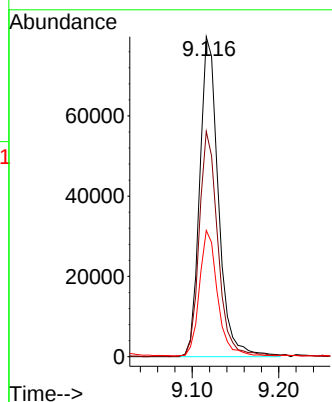
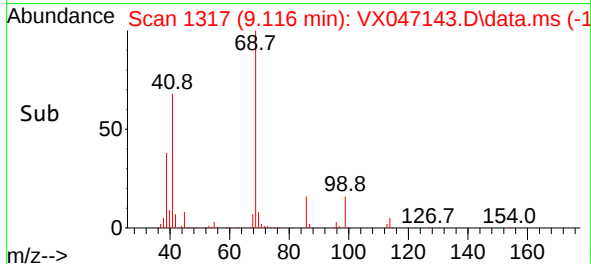
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 69 Resp: 11976
Ion Ratio Lower Upper
69 100
41 70.1 35.0 105.1
39 39.0 19.5 58.5

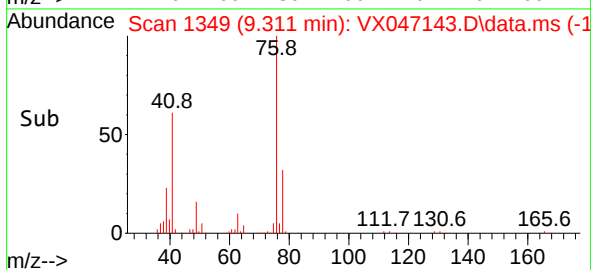
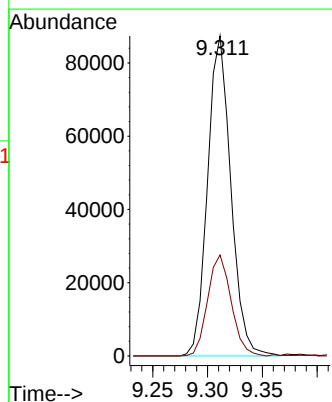
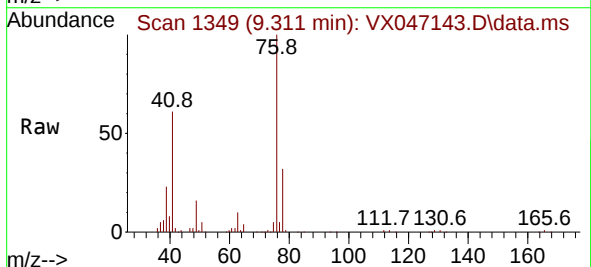
Manual Integrations
APPROVED

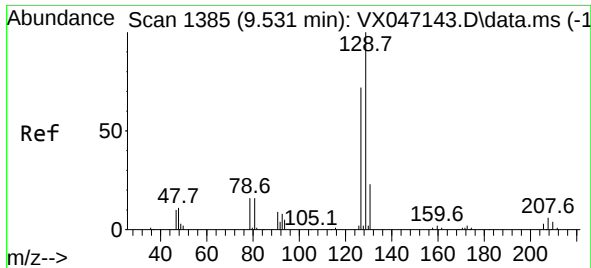
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#52
1,3-Dichloropropane
Concen: 18.755 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

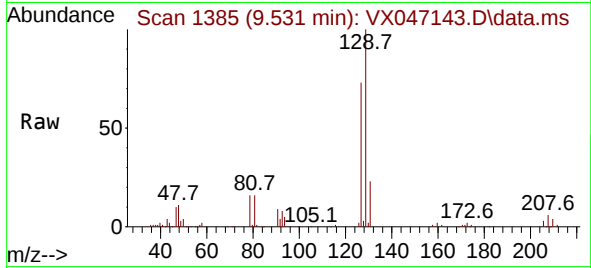
Tgt Ion: 76 Resp: 129089
Ion Ratio Lower Upper
76 100
78 31.8 0.0 63.6





#53
Dibromochloromethane
Concen: 16.306 ug/l m
RT: 9.531 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

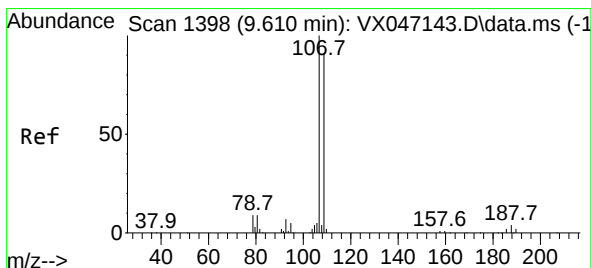
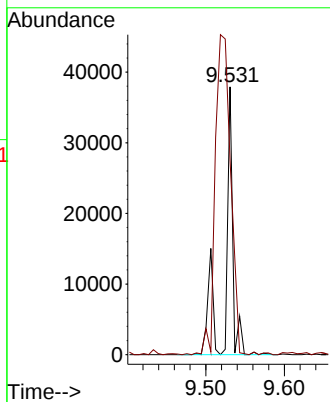
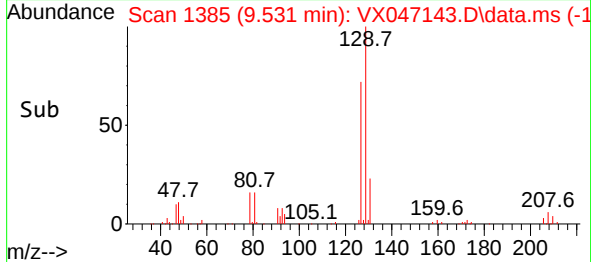
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:129 Resp: 23759
Ion Ratio Lower Upper
129 100
127 0.6 125.0 374.9

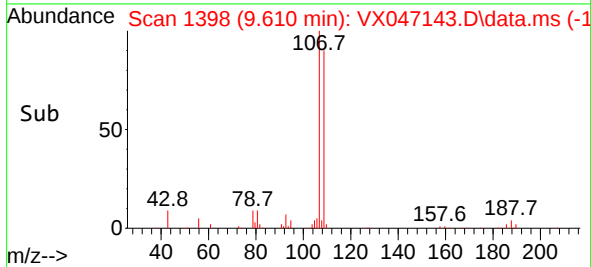
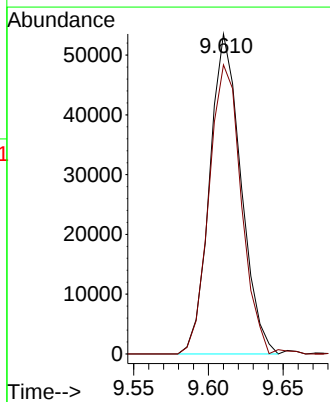
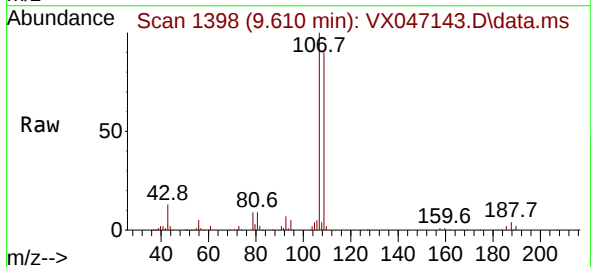
Manual Integrations
APPROVED

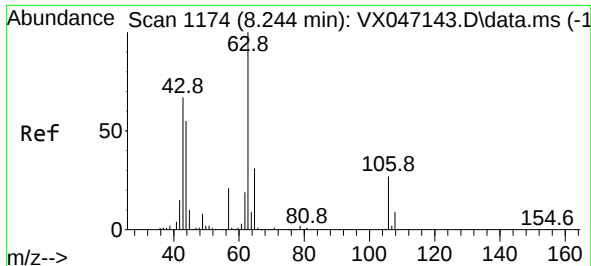
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#54
1,2-Dibromoethane
Concen: 18.776 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion:107 Resp: 77987
Ion Ratio Lower Upper
107 100
109 92.5 74.0 111.0





#55

2-Chloroethyl vinyl ether

Concen: 96.113 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

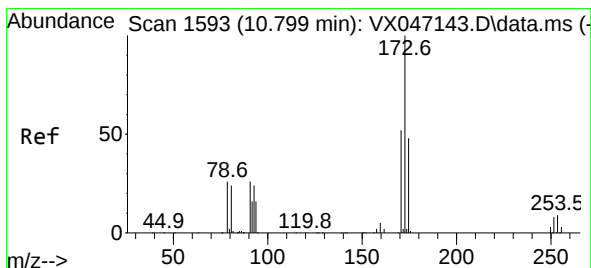
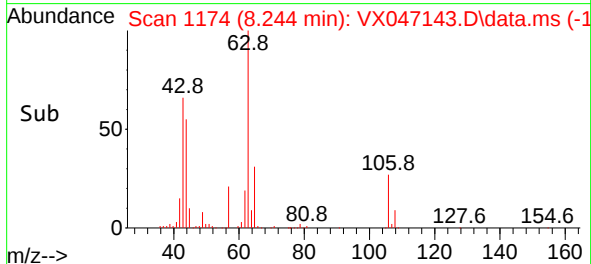
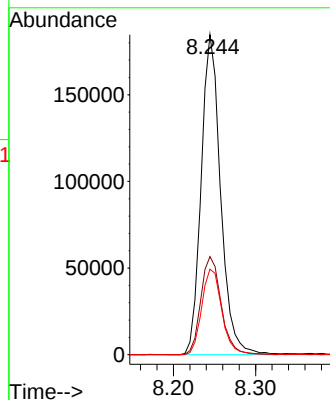
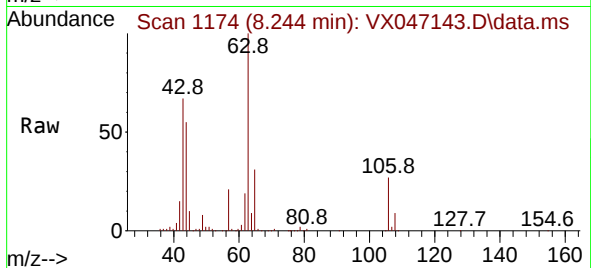
Tgt Ion: 63 Resp: 30314
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.8 38.6
 106 27.6 22.1 33.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#56

Bromoform

Concen: 17.141 ug/l m

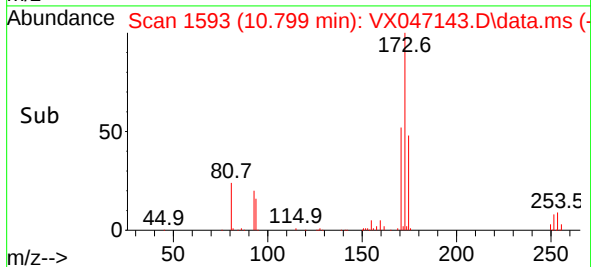
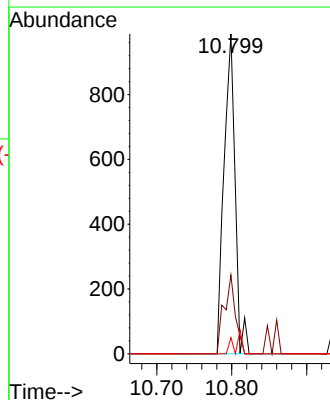
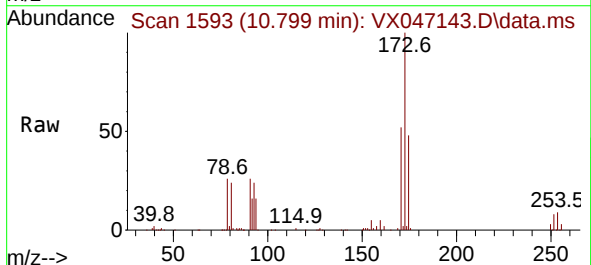
RT: 10.799 min Scan# 1593

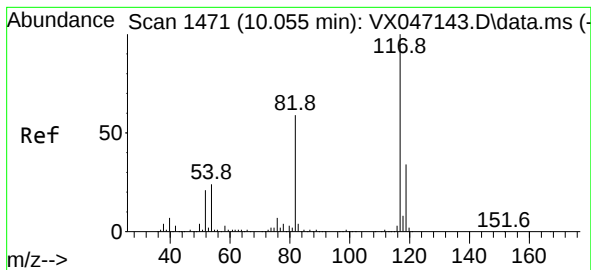
Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

Tgt Ion:173 Resp: 1012
 Ion Ratio Lower Upper
 173 100
 175 25.3 2.6 3.8#
 254 1.8 2.2 3.2#





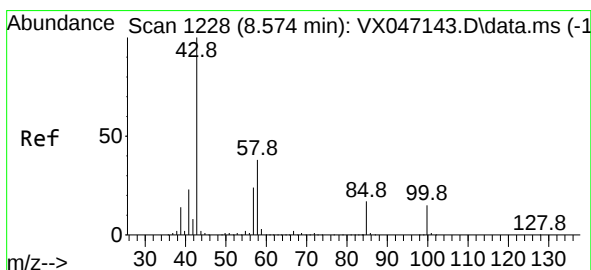
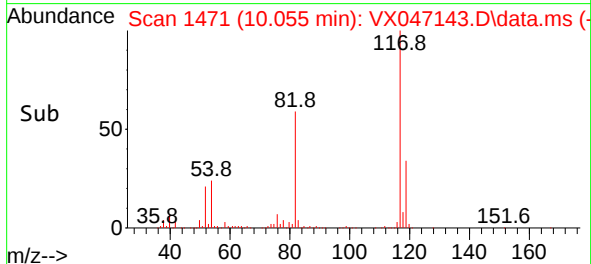
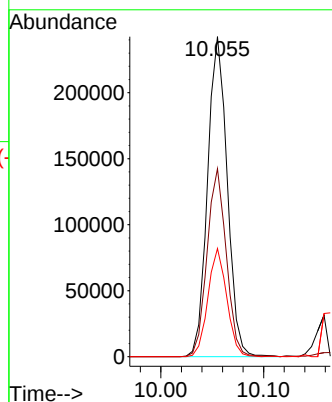
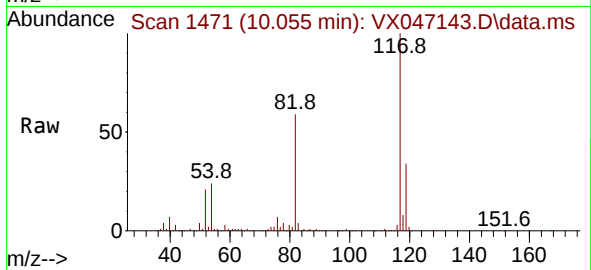
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 117 Resp: 322192
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 32.3 25.8 38.8

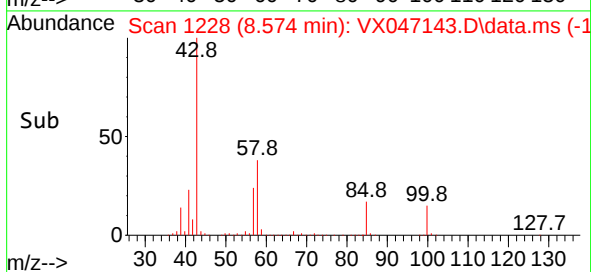
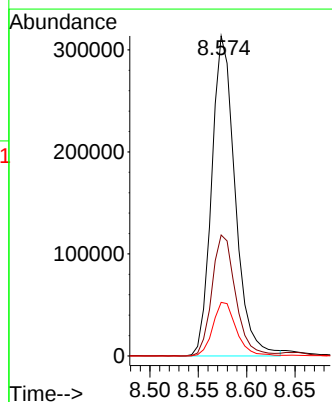
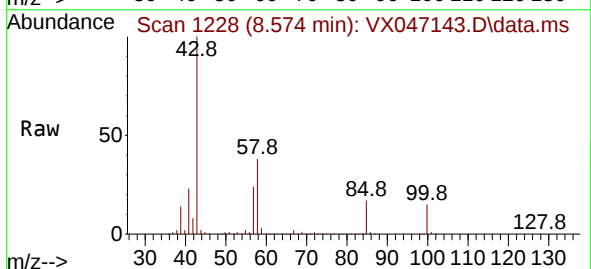
Manual Integrations
APPROVED

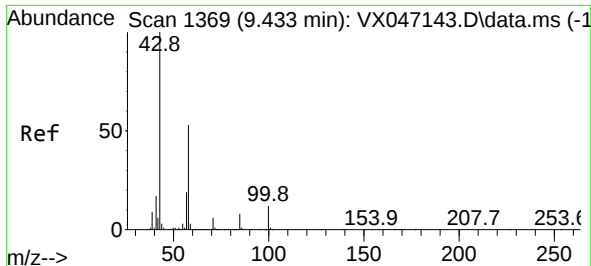
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#58
4-Methyl-2-Pentanone
Concen: 94.189 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 43 Resp: 529497
Ion Ratio Lower Upper
43 100
58 38.2 30.6 45.8
85 16.8 13.4 20.2





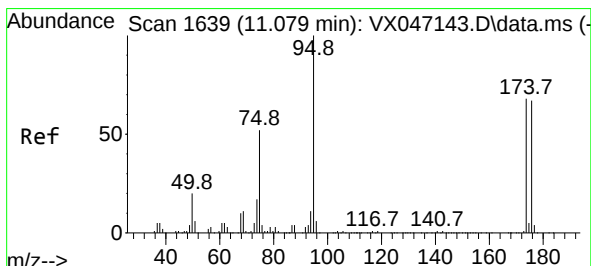
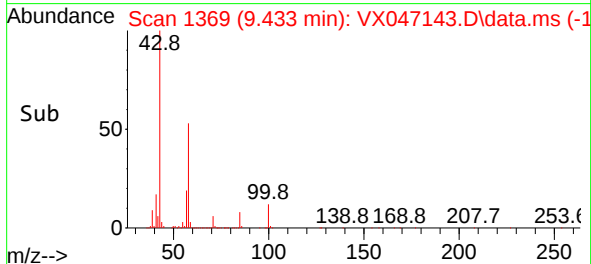
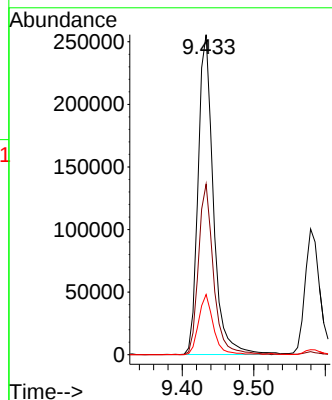
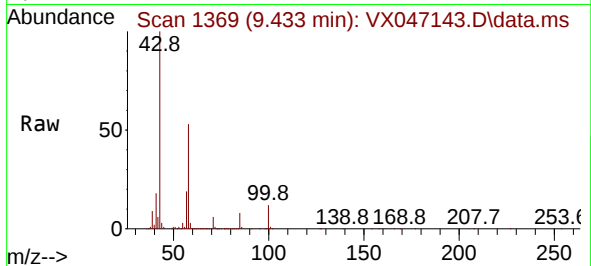
#59
2-Hexanone
Concen: 95.189 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 378544
Ion Ratio Lower Upper
43 100
58 52.5 42.0 63.0
57 18.2 14.6 21.8

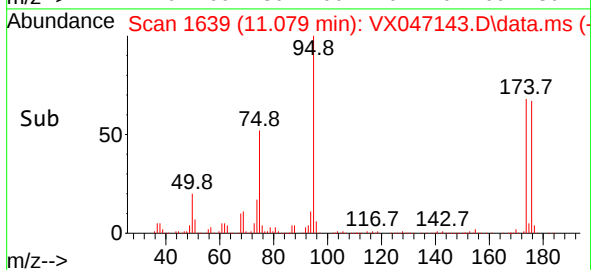
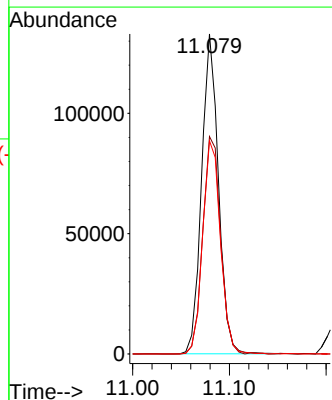
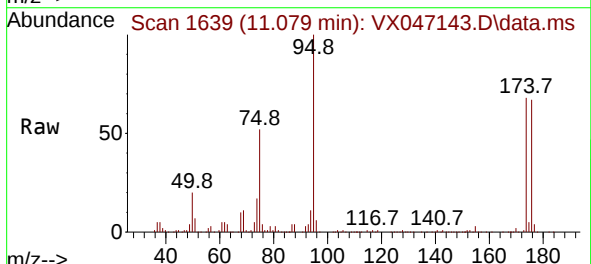
Manual Integrations
APPROVED

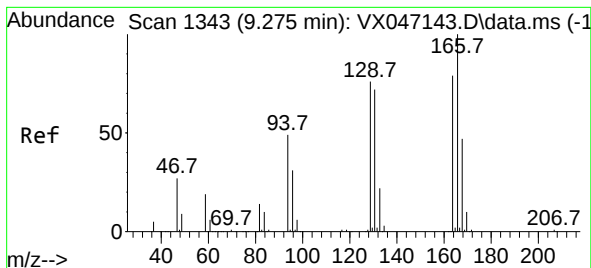
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#60
4-Bromofluorobenzene
Concen: 30.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

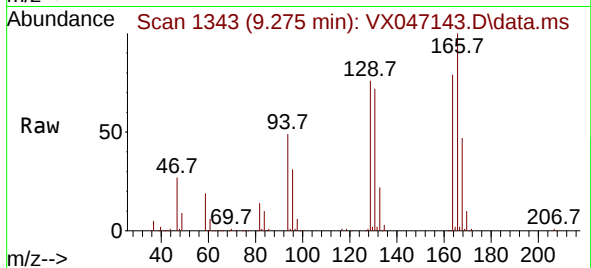
Tgt Ion: 95 Resp: 161138
Ion Ratio Lower Upper
95 100
174 71.9 57.5 86.3
176 70.5 56.4 84.6





#61
Tetrachloroethene
Concen: 18.786 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

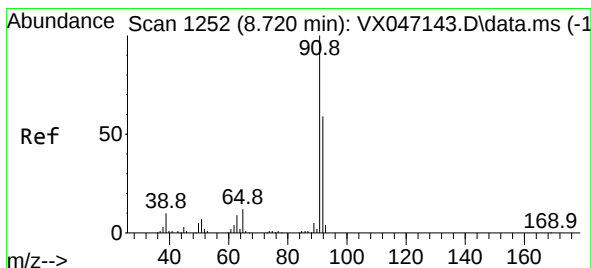
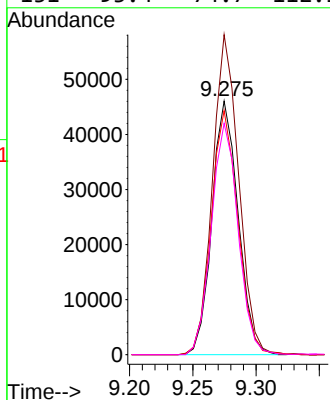
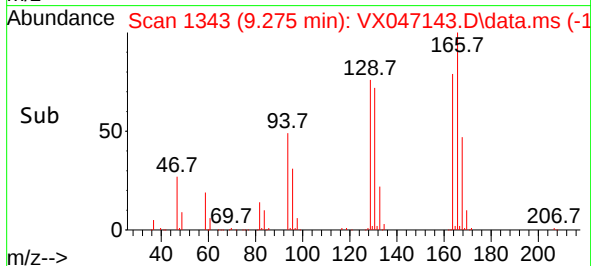
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:164 Resp: 6627
Ion Ratio Lower Upper
164 100
166 126.2 101.0 151.4
129 98.2 78.6 117.8
131 93.4 74.7 112.1

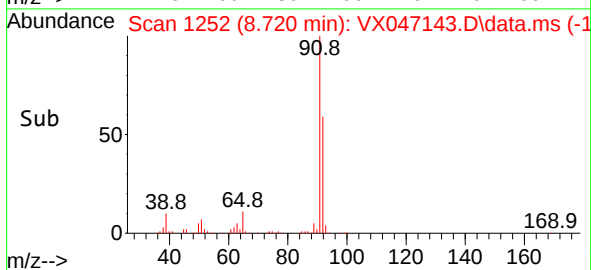
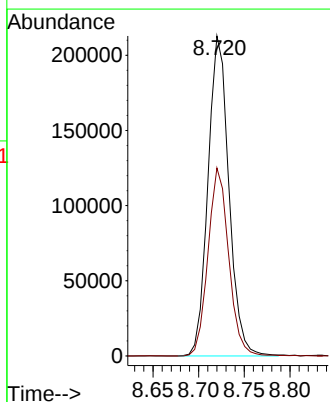
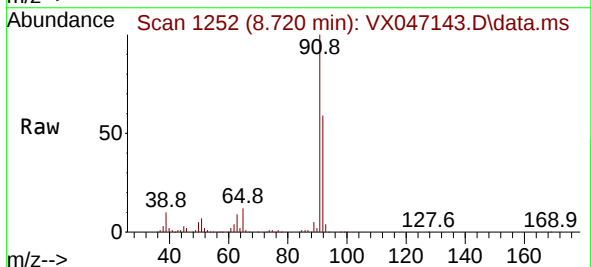
Manual Integrations
APPROVED

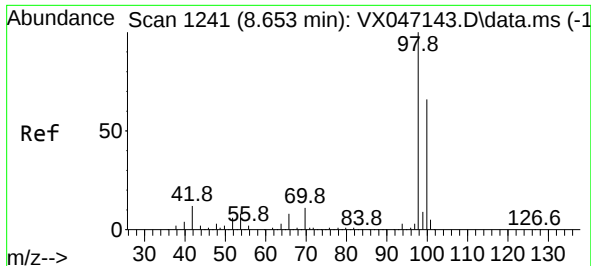
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#62
Toluene
Concen: 18.842 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

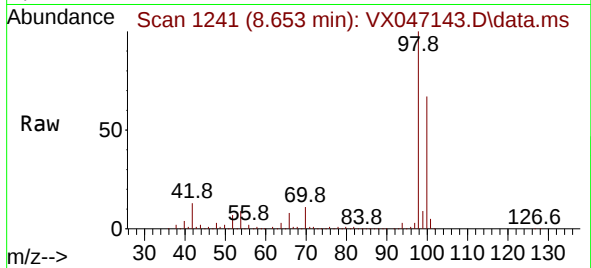
Tgt Ion: 91 Resp: 339486
Ion Ratio Lower Upper
91 100
92 58.2 46.6 69.8





#63
Toluene-d8
Concen: 30.246 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

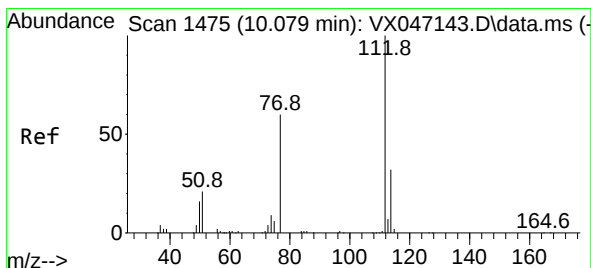
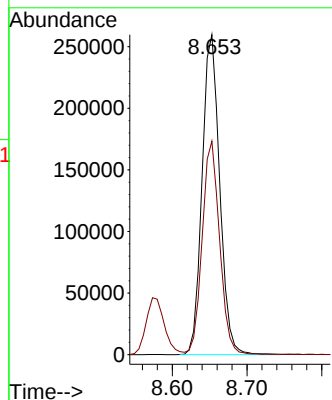
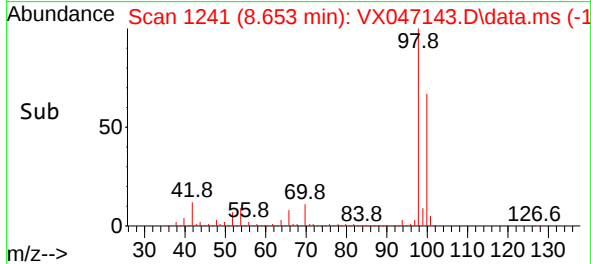
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



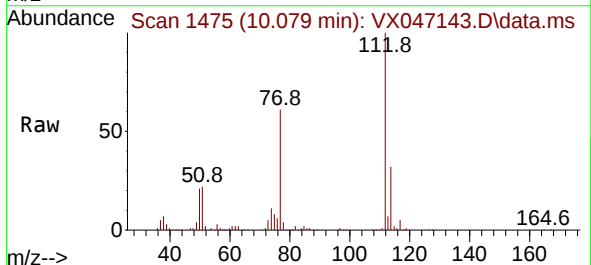
Tgt Ion: 98 Resp: 42445
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3

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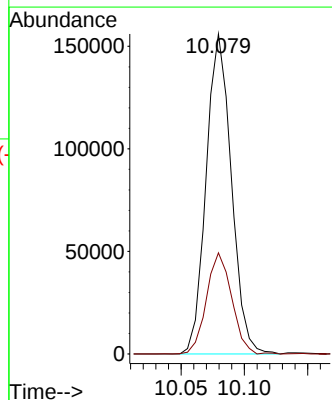
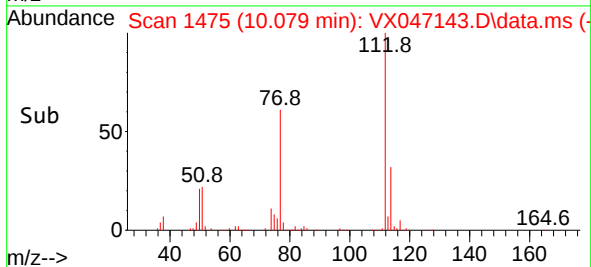
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

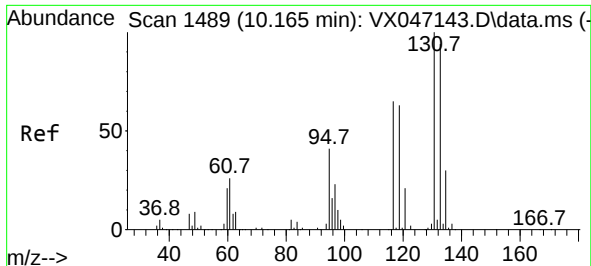


#64
Chlorobenzene
Concen: 18.710 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



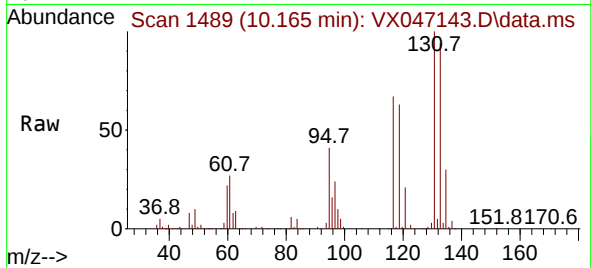
Tgt Ion:112 Resp: 216170
Ion Ratio Lower Upper
112 100
114 29.5 23.6 35.4





#65
1,1,1,2-Tetrachloroethane
Concen: 19.604 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

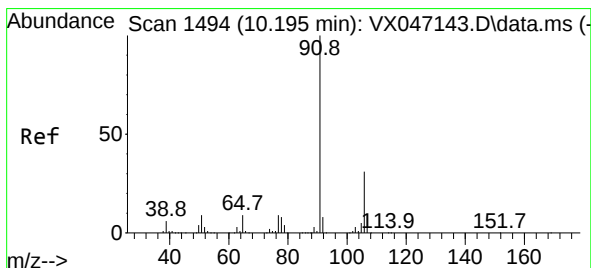
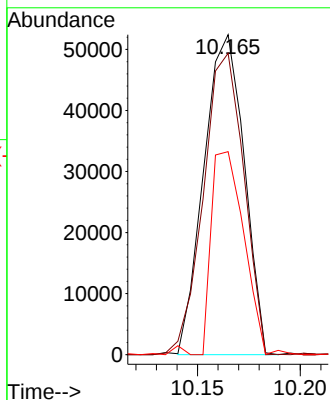
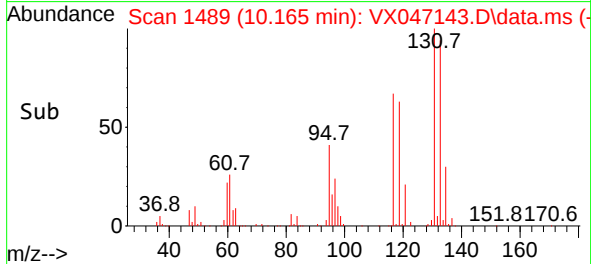
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



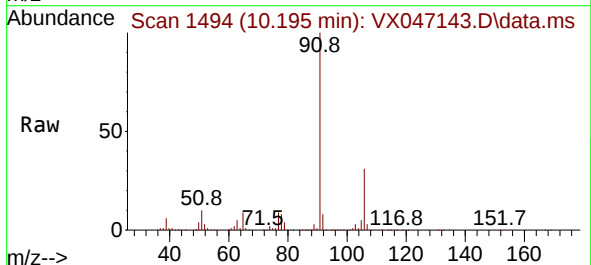
Tgt Ion:131 Resp: 71609
Ion Ratio Lower Upper
131 100
133 94.1 0.0 188.2
119 50.9 0.0 101.8

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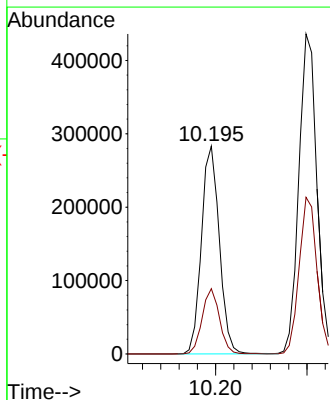
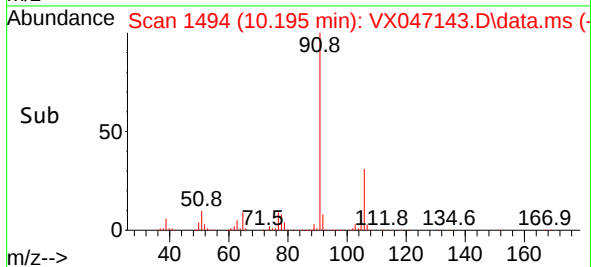
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

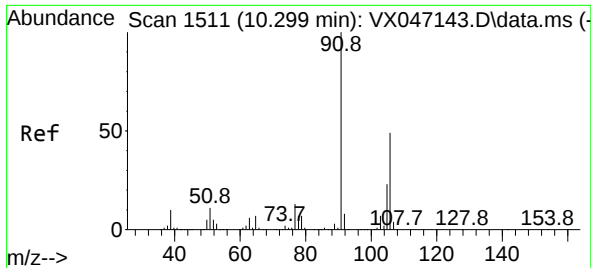


#66
Ethyl Benzene
Concen: 18.670 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



Tgt Ion: 91 Resp: 384899
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7





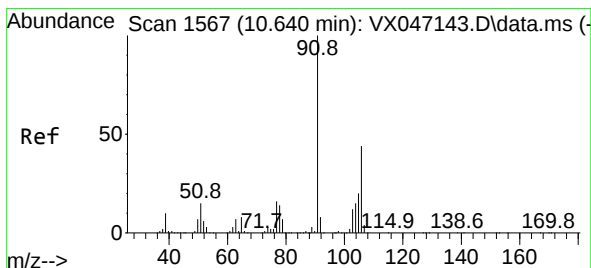
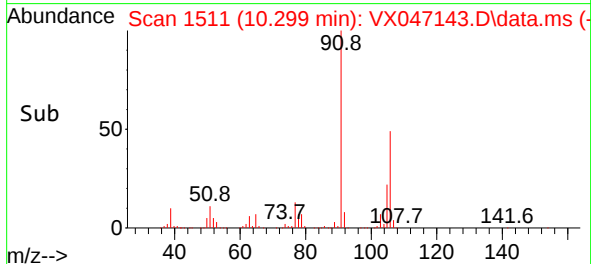
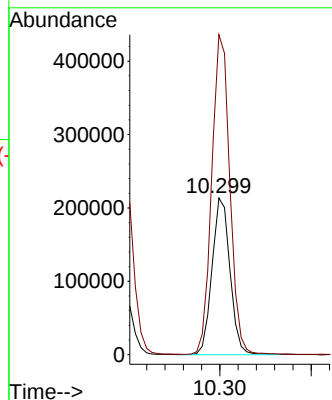
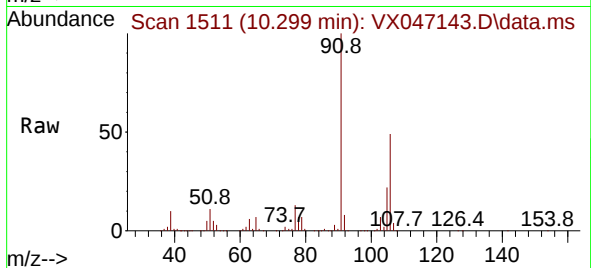
#67
m/p-Xylenes
Concen: 38.082 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 29093
Ion Ratio Lower Upper
106 100
91 205.5 164.4 246.6

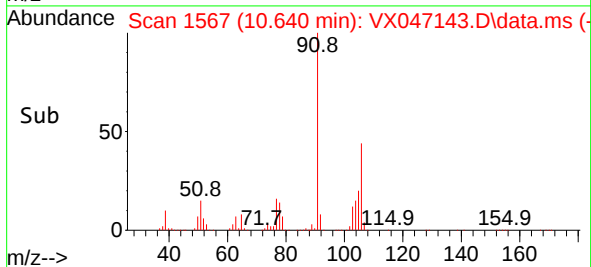
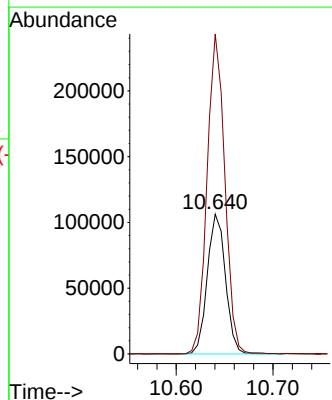
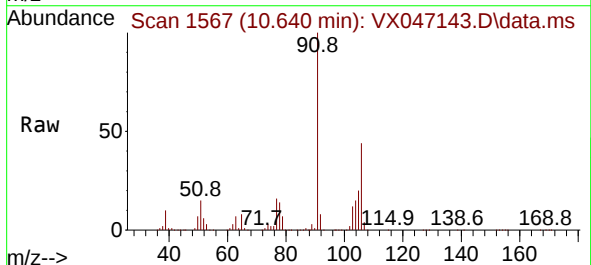
Manual Integrations
APPROVED

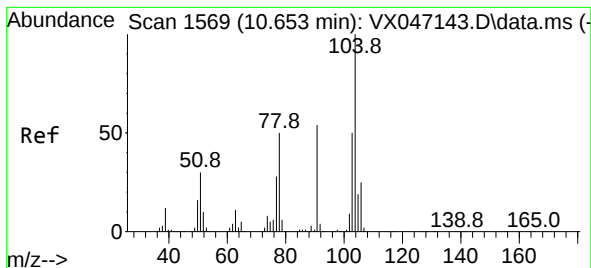
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#68
o-Xylene
Concen: 18.923 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion:106 Resp: 139424
Ion Ratio Lower Upper
106 100
91 222.5 111.3 333.8





#69

Styrene

Concen: 18.802 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX047143.D

Acq: 25 Jul 2025 15:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:104 Resp: 237599

Ion Ratio Lower Upper

104 100

78 53.2 42.6 63.8

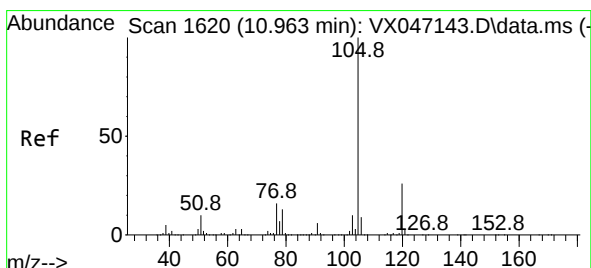
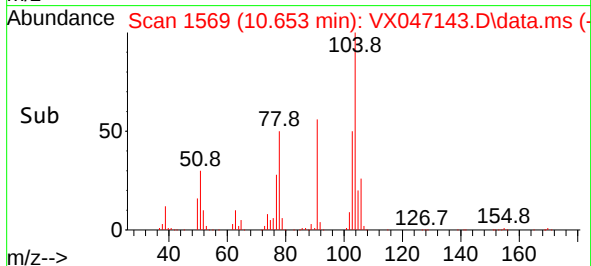
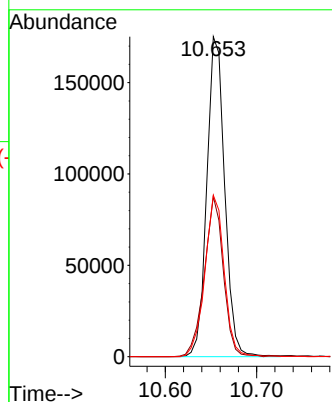
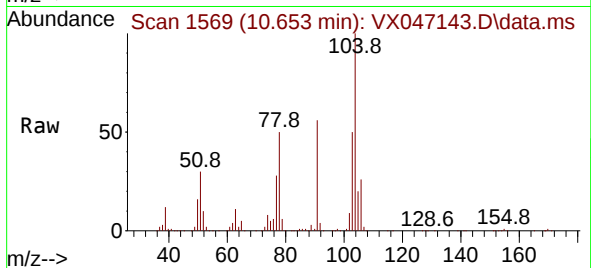
103 54.4 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/28/2025



#70

Isopropylbenzene

Concen: 18.928 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX047143.D

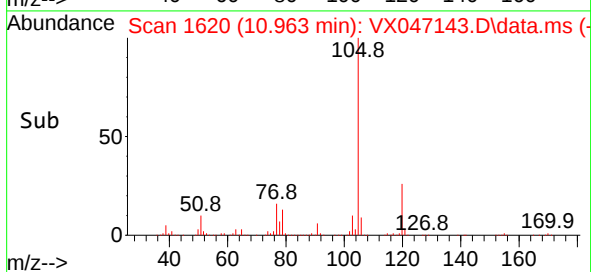
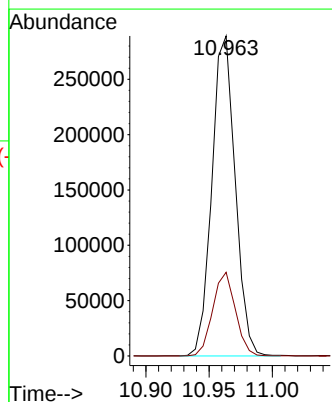
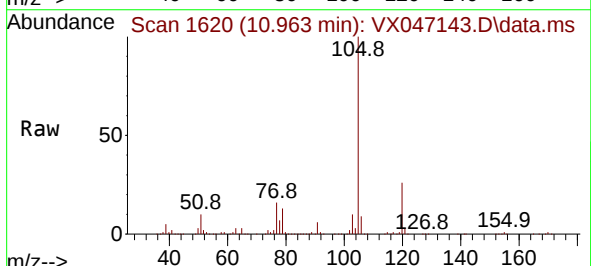
Acq: 25 Jul 2025 15:40

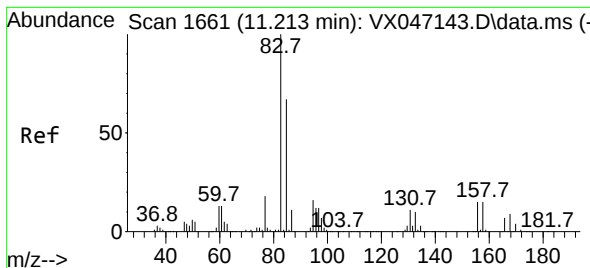
Tgt Ion:105 Resp: 371473

Ion Ratio Lower Upper

105 100

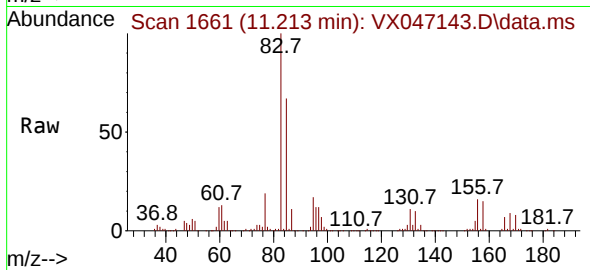
120 25.4 17.8 33.0





#71
1,1,2,2-Tetrachloroethane
Concen: 18.973 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

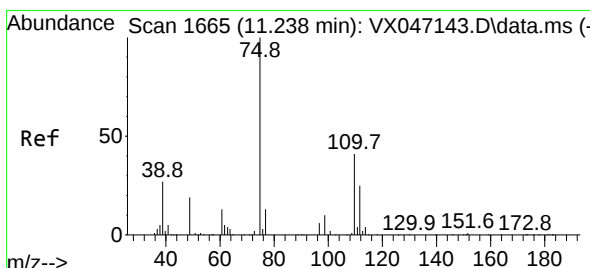
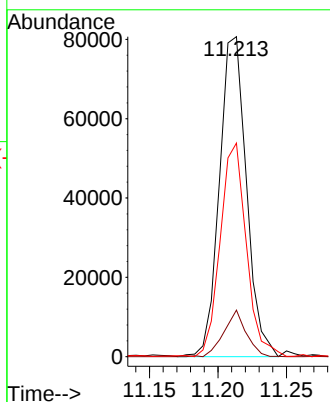
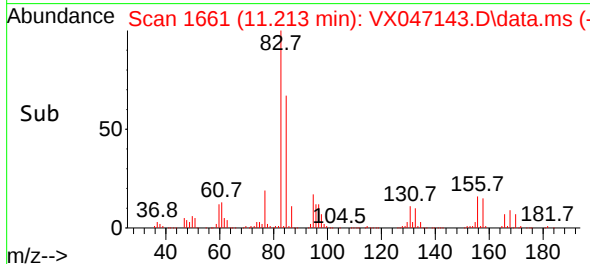
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 11046
Ion Ratio Lower Upper
83 100
131 12.0 6.0 18.0
85 64.6 32.3 96.9

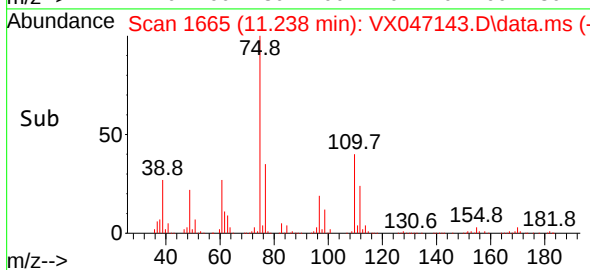
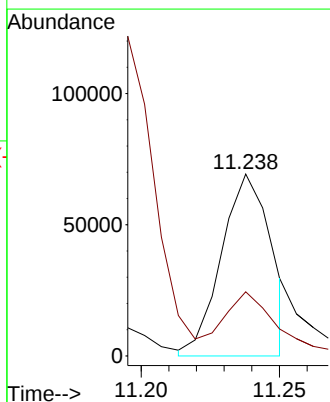
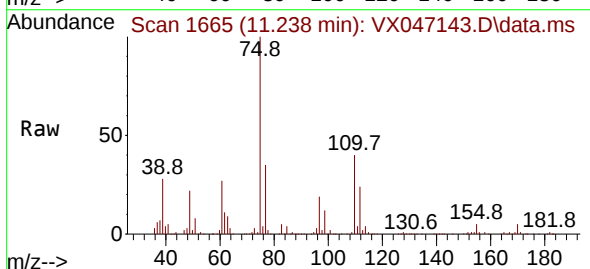
Manual Integrations
APPROVED

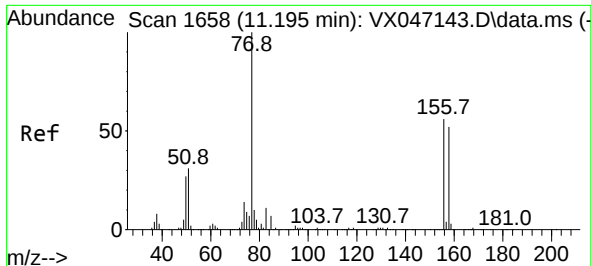
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#72
1,2,3-Trichloropropane
Concen: 19.310 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion: 75 Resp: 86591
Ion Ratio Lower Upper
75 100
77 37.1 0.0 74.2





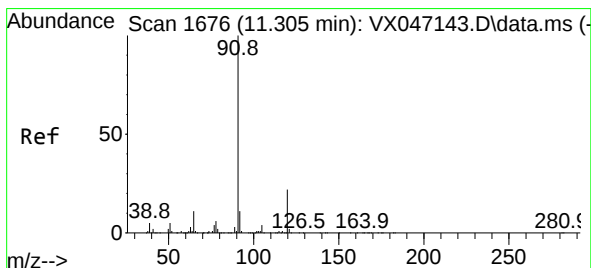
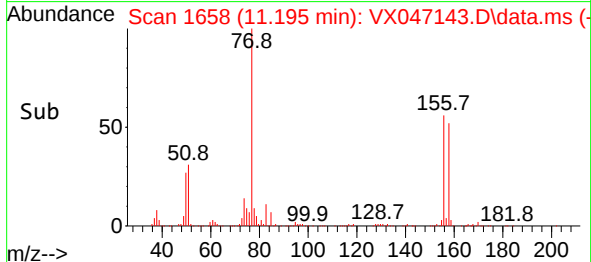
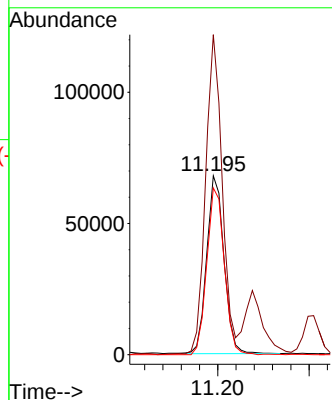
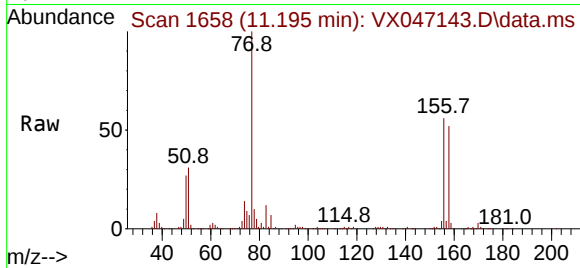
#73
Bromobenzene
Concen: 18.928 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 88904
Ion Ratio Lower Upper
156 100
77 170.4 0.0 340.8
158 94.5 0.0 189.0

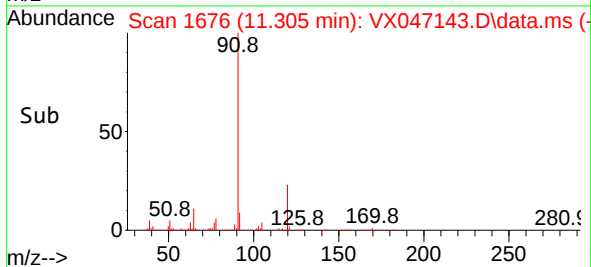
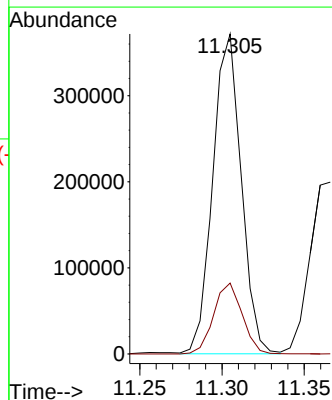
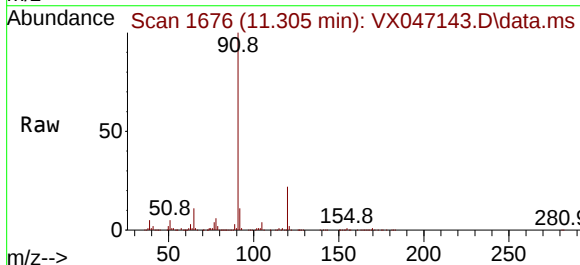
Manual Integrations
APPROVED

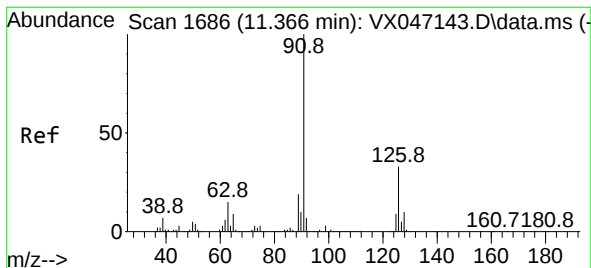
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#74
n-propylbenzene
Concen: 18.967 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

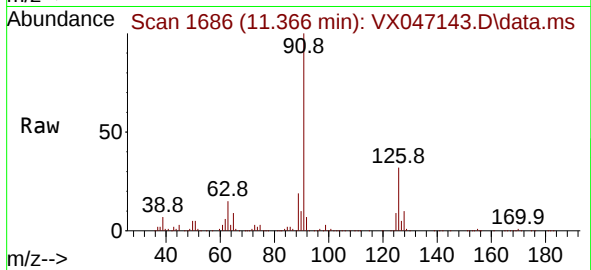
Tgt Ion: 91 Resp: 446899
Ion Ratio Lower Upper
91 100
120 22.2 0.0 44.4





#75
2-Chlorotoluene
Concen: 19.047 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

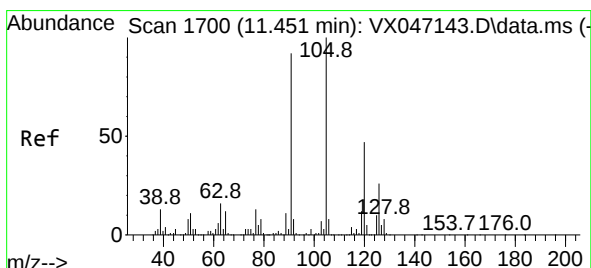
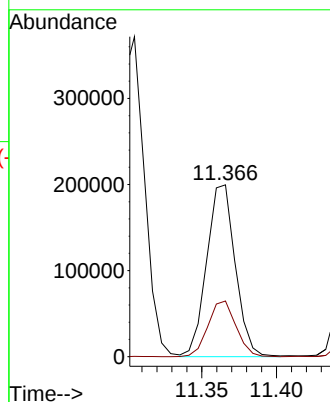
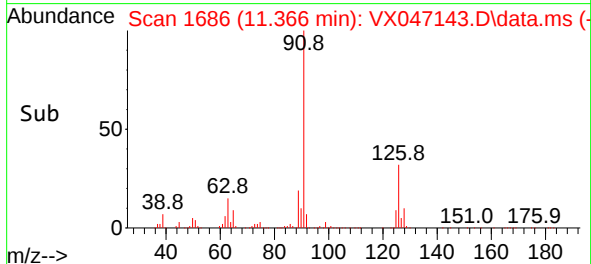
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



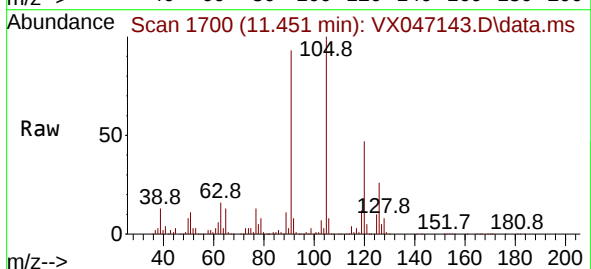
Tgt Ion: 91 Resp: 26558
Ion Ratio Lower Upper
91 100
126 31.8 0.0 63.6

Manual Integrations
APPROVED

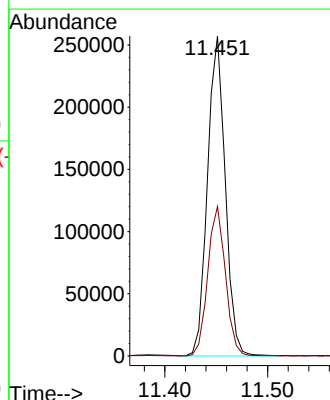
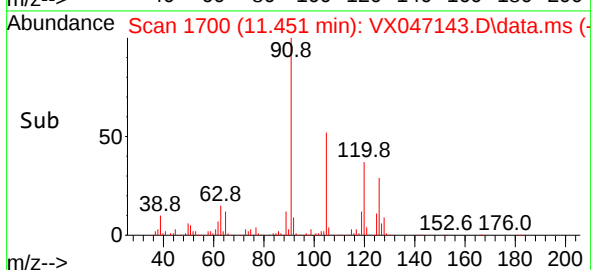
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

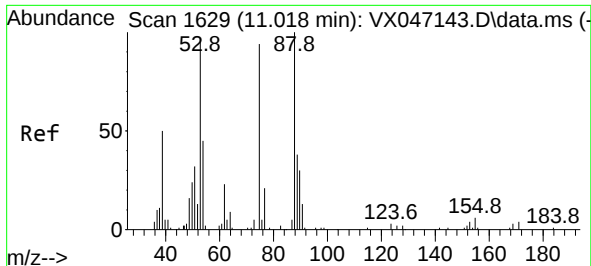


#76
1,3,5-Trimethylbenzene
Concen: 19.186 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



Tgt Ion:105 Resp: 309795
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.0





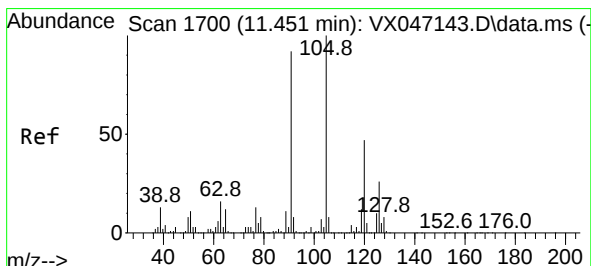
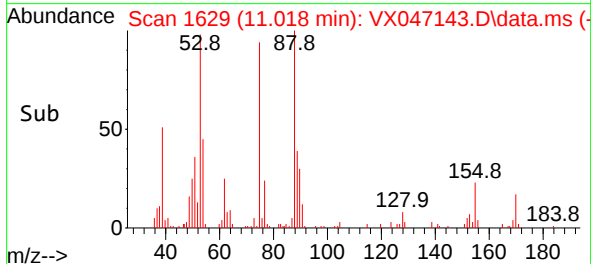
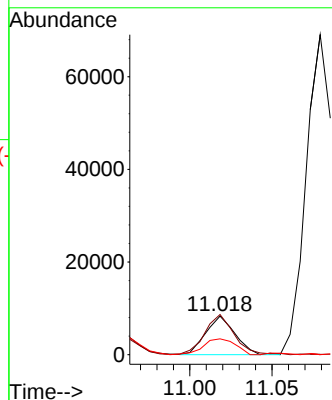
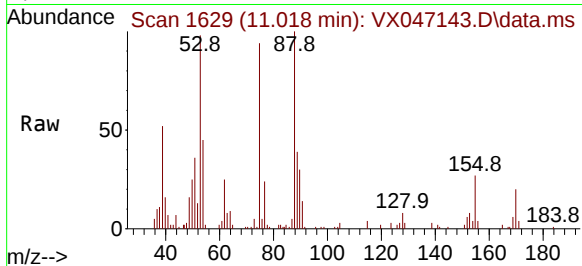
#77
t-1,4-Dichloro-2-butene
Concen: 15.523 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 1030
Ion Ratio Lower Upper
75 100
53 96.8 48.4 145.2
89 67.5 33.8 101.3

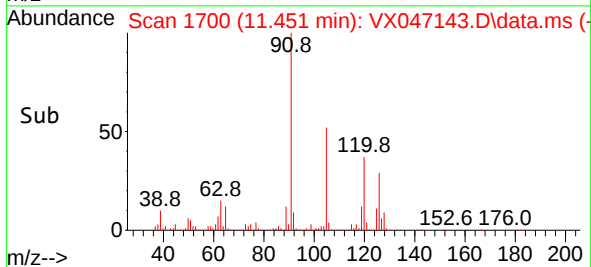
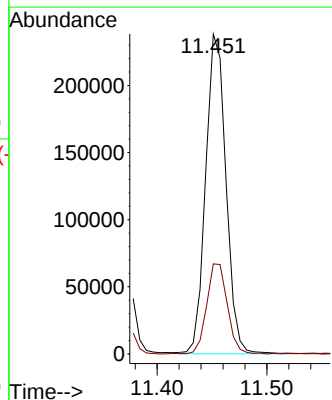
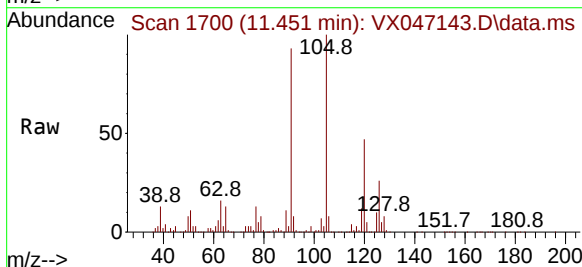
Manual Integrations
APPROVED

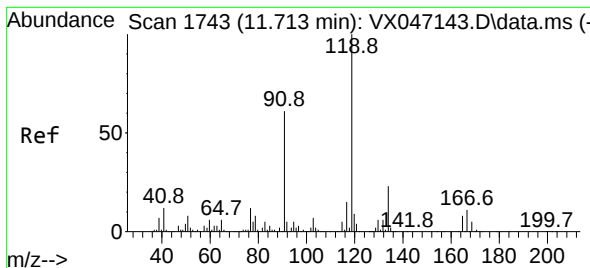
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#78
4-Chlorotoluene
Concen: 19.077 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

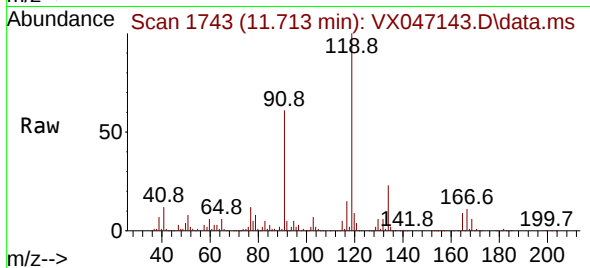
Tgt Ion: 91 Resp: 306713
Ion Ratio Lower Upper
91 100
126 28.6 0.0 57.2





#79
tert-butylbenzene
Concen: 19.011 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

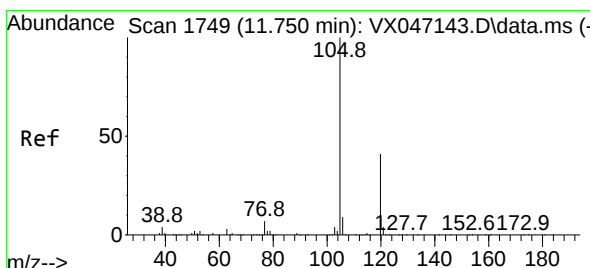
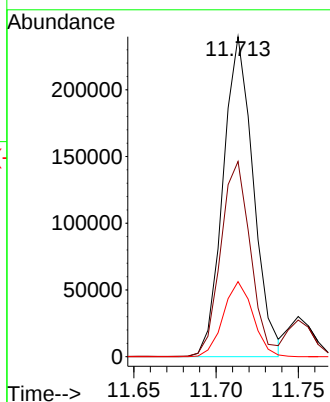
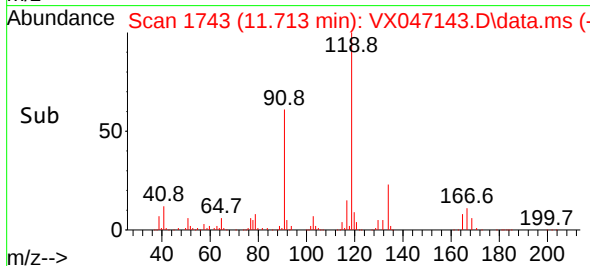
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



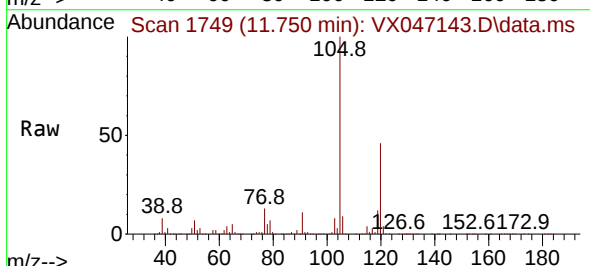
Tgt Ion:119 Resp: 307204
Ion Ratio Lower Upper
119 100
91 60.3 0.0 120.6
134 23.0 0.0 46.0

Manual Integrations
APPROVED

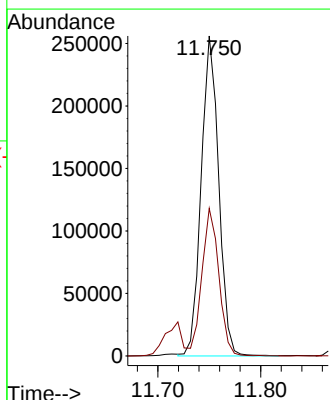
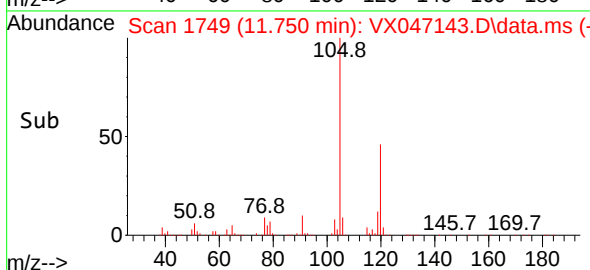
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025

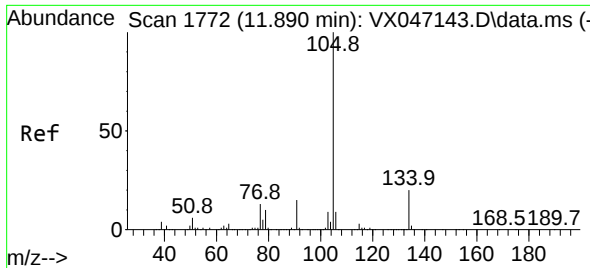


#80
1,2,4-Trimethylbenzene
Concen: 18.962 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40



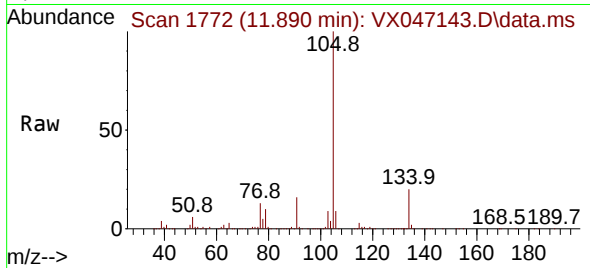
Tgt Ion:105 Resp: 303690
Ion Ratio Lower Upper
105 100
120 44.3 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 18.911 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40

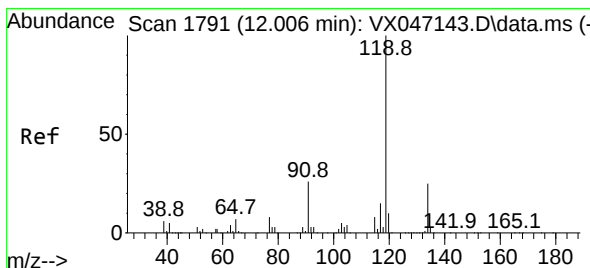
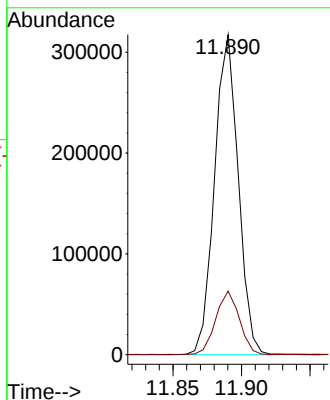
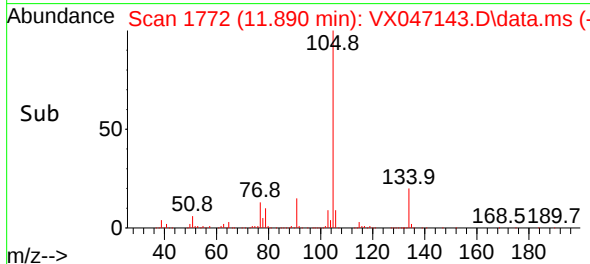
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



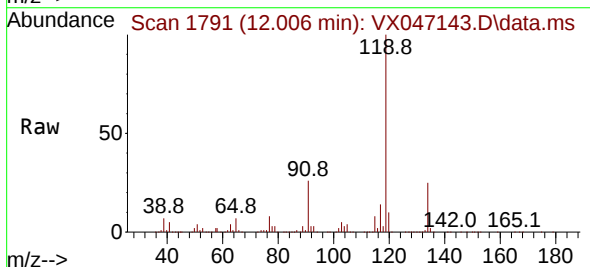
Tgt Ion:105 Resp: 381372
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

Manual Integrations
 APPROVED

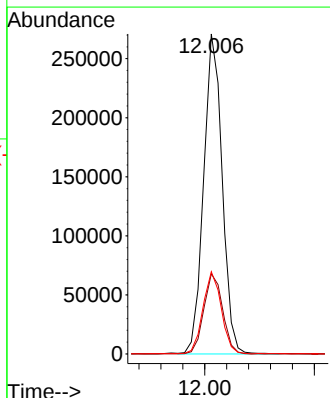
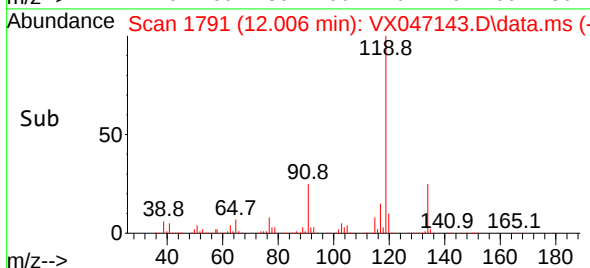
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/28/2025

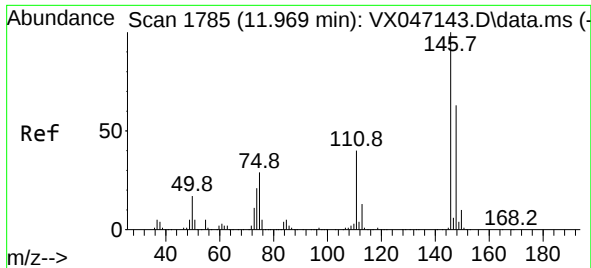


#82
 p-Isopropyltoluene
 Concen: 18.954 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047143.D
 Acq: 25 Jul 2025 15:40



Tgt Ion:119 Resp: 317626
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.8
 91 25.5 0.0 51.0





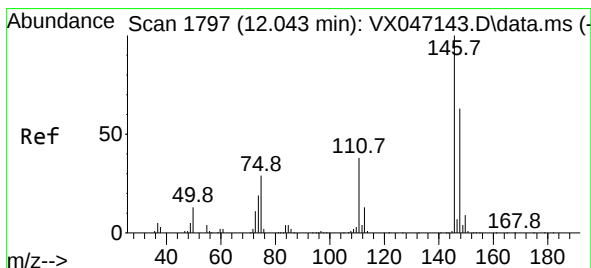
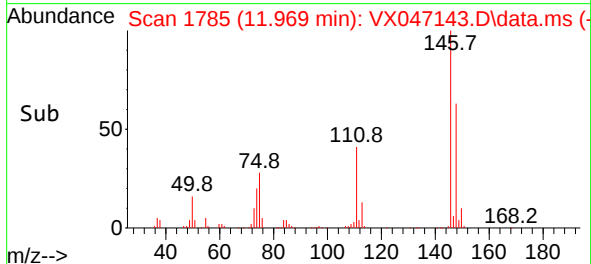
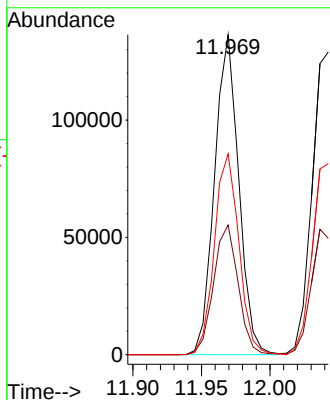
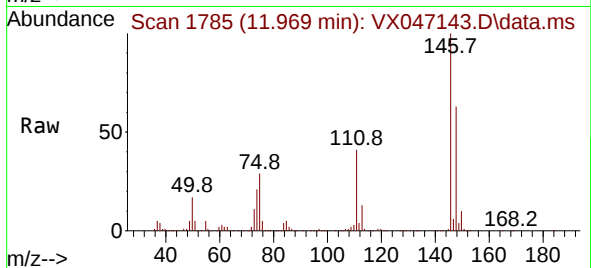
#83
1,3-Dichlorobenzene
Concen: 19.065 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 167310
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 63.5 31.8 95.3

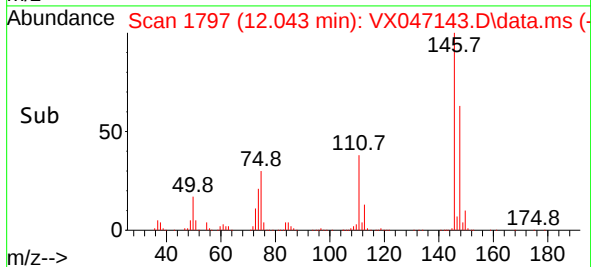
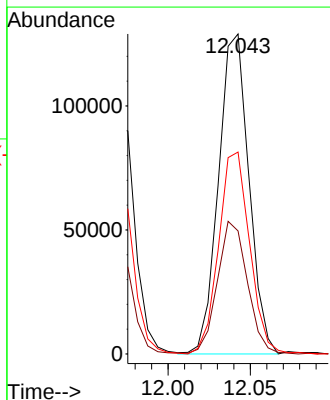
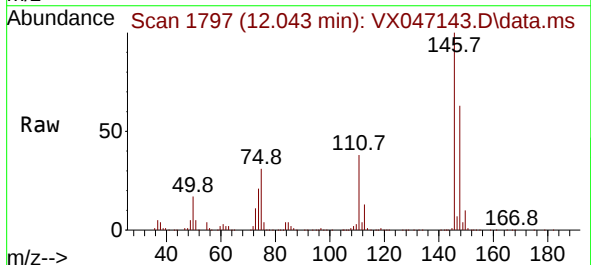
Manual Integrations
APPROVED

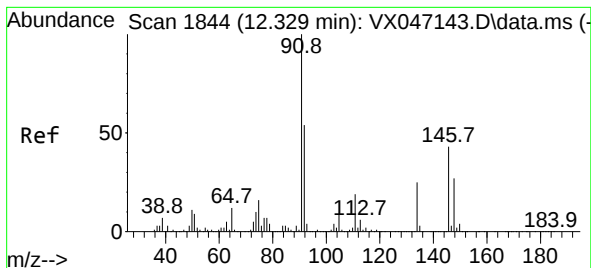
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#84
1,4-Dichlorobenzene
Concen: 19.063 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

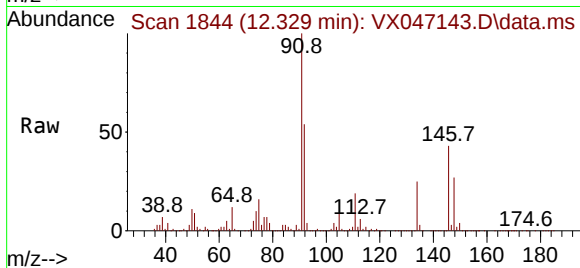
Tgt Ion:146 Resp: 165807
Ion Ratio Lower Upper
146 100
111 40.9 20.4 61.3
148 64.5 32.3 96.8





#85
n-Butylbenzene
Concen: 18.852 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

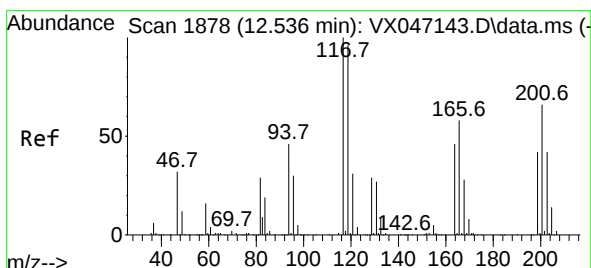
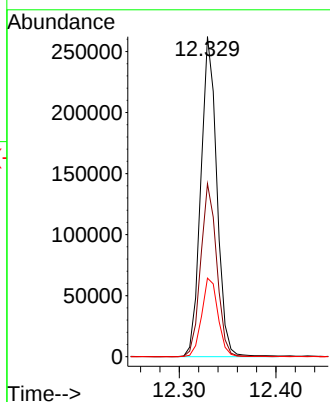
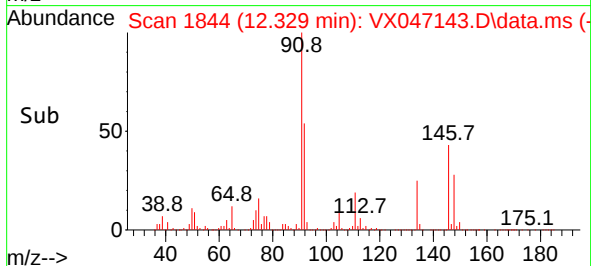
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 91 Resp: 303170
Ion Ratio Lower Upper
91 100
92 53.9 0.0 107.8
134 25.0 0.0 50.0

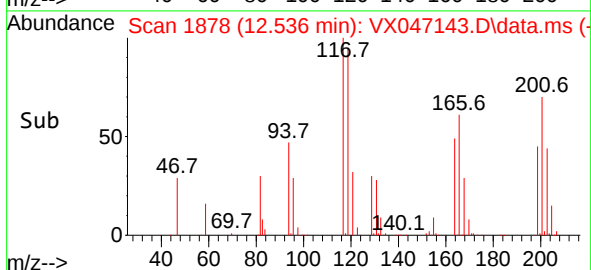
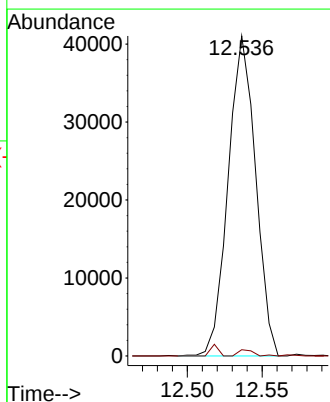
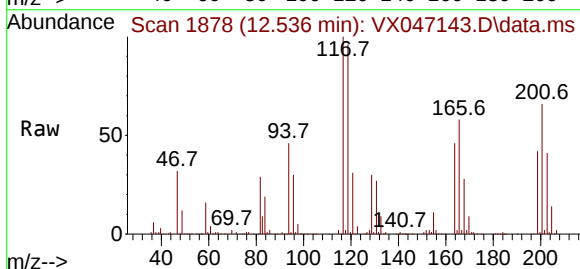
Manual Integrations
APPROVED

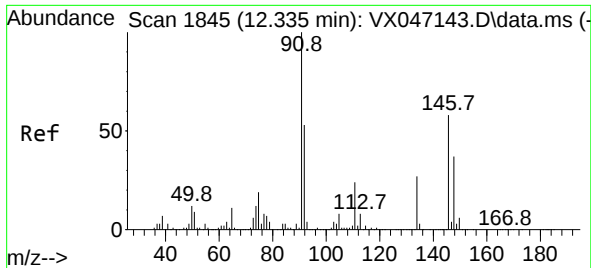
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#86
Hexachloroethane
Concen: 22.478 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

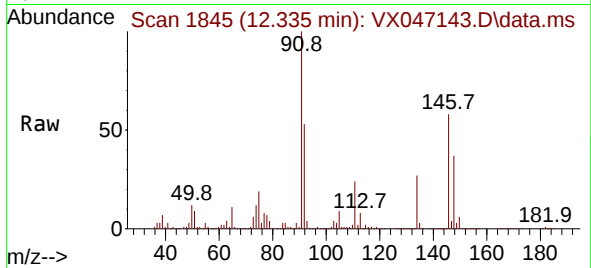
Tgt Ion:117 Resp: 52380
Ion Ratio Lower Upper
117 100
201 1.0 0.5 1.5





#87
1,2-Dichlorobenzene
Concen: 19.268 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

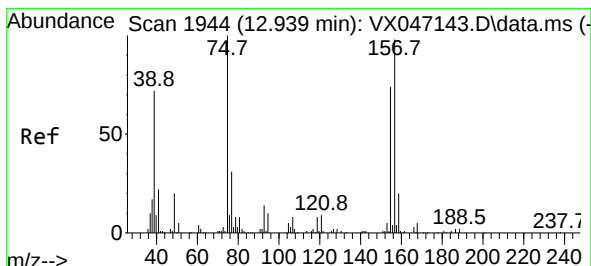
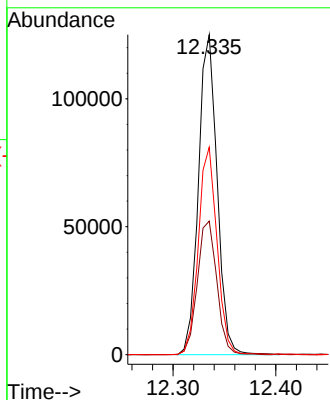
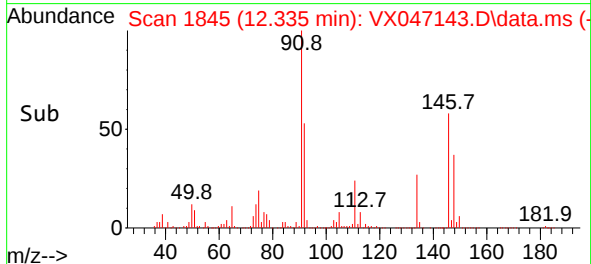
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:146 Resp: 15858
Ion Ratio Lower Upper
146 100
111 43.5 21.8 65.3
148 64.7 32.4 97.0

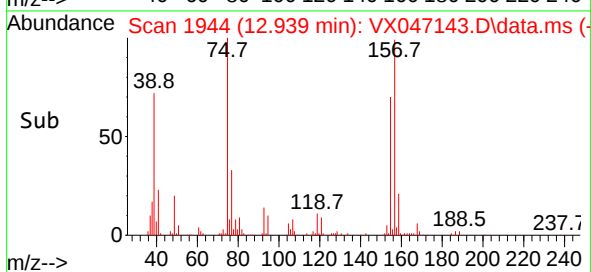
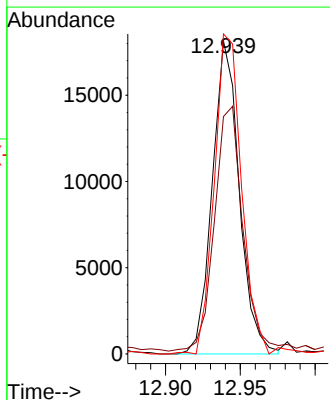
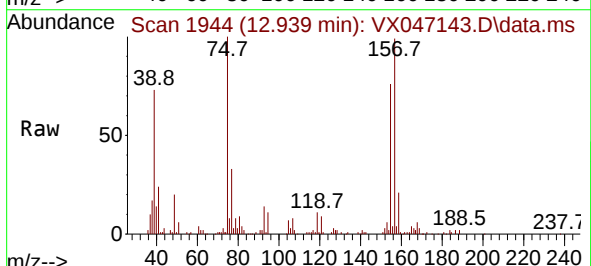
Manual Integrations
APPROVED

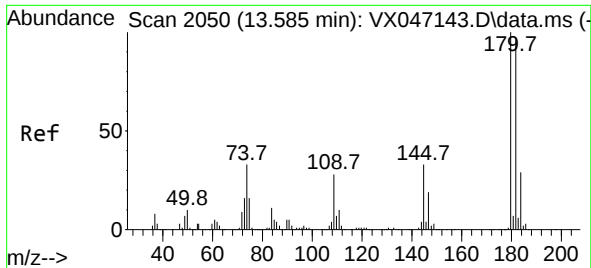
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 18.072 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

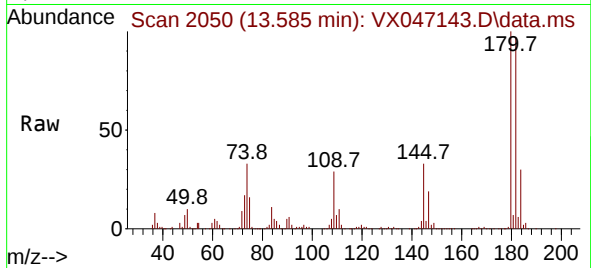
Tgt Ion: 75 Resp: 22779
Ion Ratio Lower Upper
75 100
155 81.8 65.4 98.2
157 102.5 82.0 123.0





#89
1,2,4-Trichlorobenzene
Concen: 18.405 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

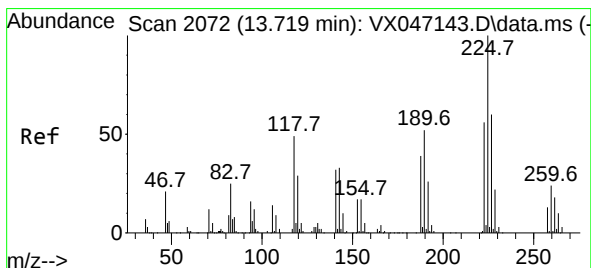
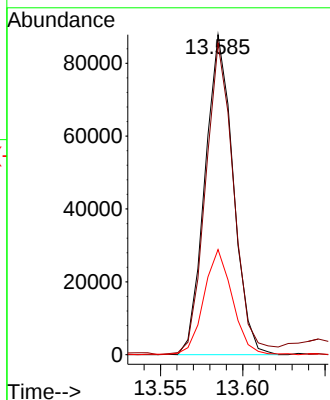
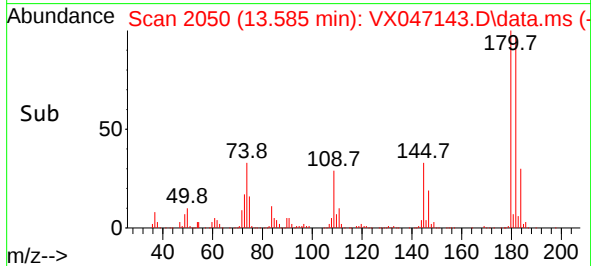
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:180 Resp: 104740
Ion Ratio Lower Upper
180 100
182 97.7 78.2 117.2
145 33.1 26.5 39.7

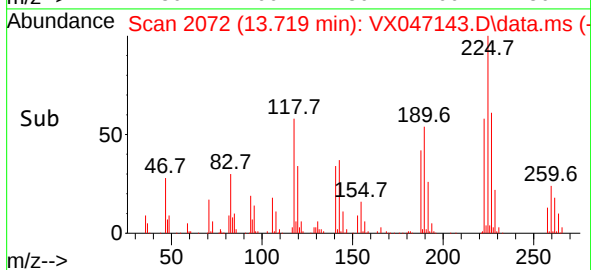
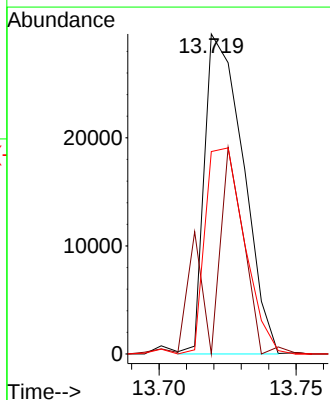
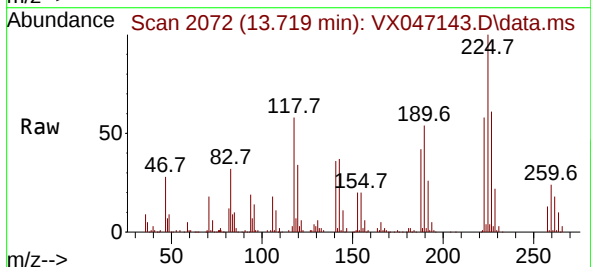
Manual Integrations
APPROVED

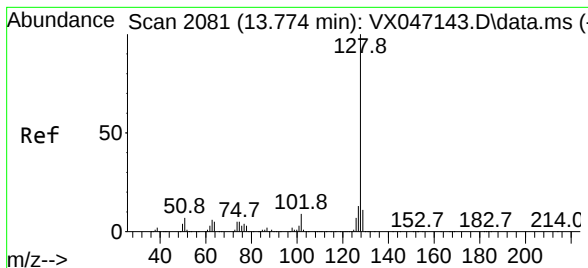
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/28/2025



#90
Hexachlorobutadiene
Concen: 22.942 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

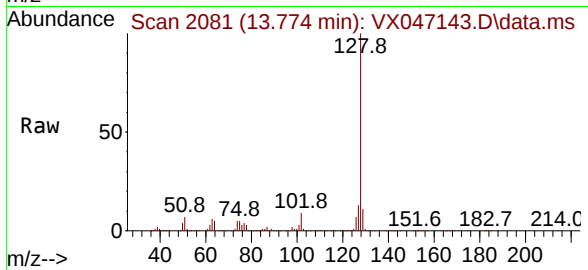
Tgt Ion:225 Resp: 29012
Ion Ratio Lower Upper
225 100
223 36.9 0.0 73.8
227 65.3 0.0 130.6





#91
Naphthalene
Concen: 19.026 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

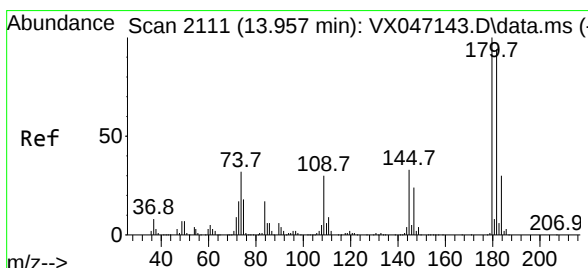
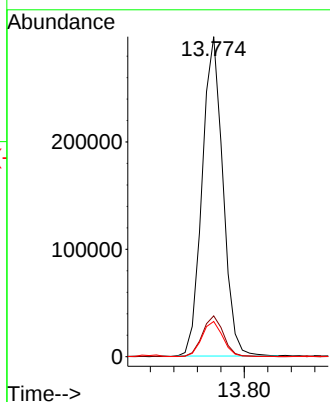
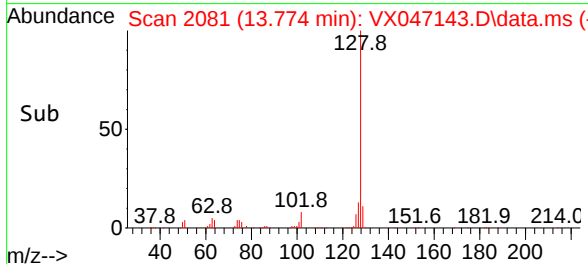
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:128 Resp: 365478
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.2 9.0 13.4

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 18.050 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047143.D
Acq: 25 Jul 2025 15:40

Tgt Ion:180 Resp: 98565
Ion Ratio Lower Upper
180 100
182 94.5 0.0 189.0
145 34.6 0.0 69.2

