

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048053.D
 Acq On : 07 Oct 2025 17:22
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/08/2025
 Supervised By : Mahesh Dadoda 10/09/2025

Quant Time: Oct 08 02:17:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X100725W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 08 02:15:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	25711m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	168414	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.037	117	155085	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	79773	35.972	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 119.900%#			
60) 4-Bromofluorobenzene	11.061	95	77587	29.747	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.167%			
63) Toluene-d8	8.635	98	208838	30.182	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	42408	24.026	ug/l	100
3) Chloromethane	1.301	50	46876	25.364	ug/l	100
4) Vinyl Chloride	1.380	62	46976	26.082	ug/l	100
5) Bromomethane	1.624	94	27478	25.963	ug/l	100
6) Chloroethane	1.697	64	29365	27.433	ug/l	100
7) Trichlorofluoromethane	1.898	101	64248	25.299	ug/l	100
8) Diethyl Ether	2.136	74	25029	27.288	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	33738	21.060	ug/l	100
10) 1,1-Dichloroethene	2.325	96	38006	23.522	ug/l	100
11) Methyl Iodide	2.459	142	43447m	20.661	ug/l	
12) Methyl Acetate	2.703	43	45227	24.158	ug/l	100
13) Acrolein	2.239	56	36327	157.982	ug/l	100
14) Acrylonitrile	3.062	53	106577	125.343	ug/l	100
15) Acetone	2.380	58	25509	129.404	ug/l	100
16) Carbon Disulfide	2.520	76	118030	25.671	ug/l	100
17) Allyl chloride	2.666	41	68216	23.385	ug/l	100
18) Methylene Chloride	2.788	84	45369	25.049	ug/l	100
19) trans-1,2-Dichloroethene	3.093	96	41735	24.593	ug/l	100
20) Diisopropyl ether	3.751	45	148782	26.097	ug/l	100
21) 1,1-Dichloroethane	3.605	63	79425	24.723	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	47535	24.273	ug/l	100
23) tert-Butyl Alcohol	2.947	59	25432	139.814	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	132923	26.092	ug/l	100
25) Chloroform	5.080	83	81206	24.631	ug/l	100
26) Cyclohexane	5.464	56	62923	22.235	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	52325	20.168	ug/l	100
30) 2-Butanone	4.544	43	128092	108.125	ug/l	100
31) 2,2-Dichloropropane	4.471	77	55840	23.092	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	67692	20.857	ug/l	100
33) Carbon Tetrachloride	5.672	117	51140m	18.311	ug/l	
34) Benzene	6.025	78	167918	21.584	ug/l	100
35) Methacrylonitrile	4.910	41	30610	21.038	ug/l	100
36) 1,2-Dichloroethane	6.074	62	63255	21.629	ug/l	100
37) Trichloroethene	7.117	130	39214	20.272	ug/l	100
38) Methylcyclohexane	7.367	83	56680	17.566	ug/l	100
39) 1,2-Dichloropropane	7.415	63	42756	21.865	ug/l	100
40) Dibromomethane	7.568	93	32390	22.128	ug/l	100
41) Bromodichloromethane	7.806	83	64387	21.788	ug/l	100
42) Vinyl Acetate	3.715	43	596070	112.197	ug/l	100

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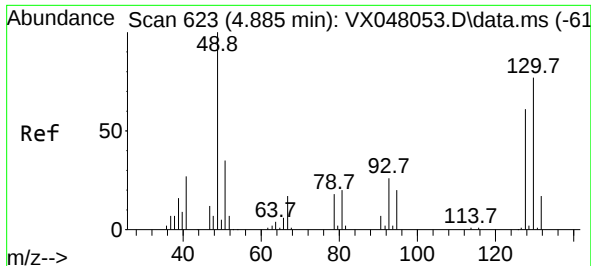
Manual Integrations
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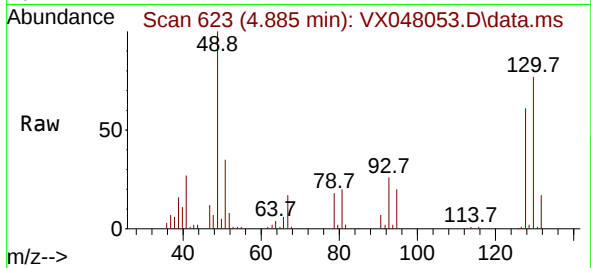
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	54228	21.559	ug/l	100
44) Isopropyl Acetate	6.324	43	91661	22.803	ug/l	100
45) 1,4-Dioxane	7.647	88	11186	449.369	ug/l	100
46) Methyl methacrylate	7.677	41	45337	21.277	ug/l	100
47) n-amyl Acetate	10.829	43	76957	21.174	ug/l	100
48) t-1,3-Dichloropropene	8.964	75	61692	22.553	ug/l	100
49) cis-1,3-Dichloropropene	8.354	75	67709	22.397	ug/l	100
50) 1,1,2-Trichloroethane	9.135	97	41199	22.308	ug/l	100
51) Ethyl methacrylate	9.104	69	59012	21.138	ug/l	100
52) 1,3-Dichloropropane	9.293	76	71049	22.213	ug/l	100
53) Dibromochloromethane	9.506	129	33081m	16.294	ug/l	
54) 1,2-Dibromoethane	9.592	107	41877	21.614	ug/l	100
55) 2-Chloroethyl vinyl ether	8.226	63	155938	108.003	ug/l	100
56) Bromoform	10.774	173	573m	0.541	ug/l	
58) 4-Methyl-2-Pentanone	8.555	43	282895	110.969	ug/l	100
59) 2-Hexanone	9.415	43	192549	107.980	ug/l	100
61) Tetrachloroethene	9.256	164	32166	20.059	ug/l	100
62) Toluene	8.702	91	177232	21.178	ug/l	100
64) Chlorobenzene	10.061	112	112344	20.772	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.147	131	39495	21.595	ug/l	100
66) Ethyl Benzene	10.177	91	188474	19.943	ug/l	100
67) m/p-Xylenes	10.287	106	146341	41.542	ug/l	100
68) o-Xylene	10.628	106	68521	20.294	ug/l	100
69) Styrene	10.640	104	123486	21.193	ug/l	100
70) Isopropylbenzene	10.945	105	176649	19.634	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.195	83	58107	21.588	ug/l	100
72) 1,2,3-Trichloropropane	11.220	75	50460m	22.208	ug/l	
73) Bromobenzene	11.183	156	43573	20.404	ug/l	100
74) n-propylbenzene	11.287	91	211688	19.706	ug/l	100
75) 2-Chlorotoluene	11.348	91	132003	20.381	ug/l	100
76) 1,3,5-Trimethylbenzene	11.433	105	147370	19.753	ug/l	100
77) t-1,4-Dichloro-2-butene	11.000	75	16356	21.147	ug/l	100
78) 4-Chlorotoluene	11.439	91	155329	20.713	ug/l	100
79) tert-butylbenzene	11.695	119	139219	18.890	ug/l	100
80) 1,2,4-Trimethylbenzene	11.732	105	148602	20.097	ug/l	100
81) sec-Butylbenzene	11.872	105	175061	18.629	ug/l	100
82) p-Isopropyltoluene	11.988	119	145556	18.852	ug/l	100
83) 1,3-Dichlorobenzene	11.951	146	81057	20.470	ug/l	100
84) 1,4-Dichlorobenzene	12.024	146	82713	20.747	ug/l	100
85) n-Butylbenzene	12.317	91	133823	18.156	ug/l	100
86) Hexachloroethane	12.524	117	16705m	13.202	ug/l	
87) 1,2-Dichlorobenzene	12.317	146	78904	20.695	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.927	75	10652	19.496	ug/l	100
89) 1,2,4-Trichlorobenzene	13.567	180	46137	18.706	ug/l	100
90) Hexachlorobutadiene	13.707	225	14017	13.713	ug/l	100
91) Naphthalene	13.756	128	140259	18.019	ug/l	100
92) 1,2,3-Trichlorobenzene	13.939	180	43739	18.219	ug/l	100

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



#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 4.885 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

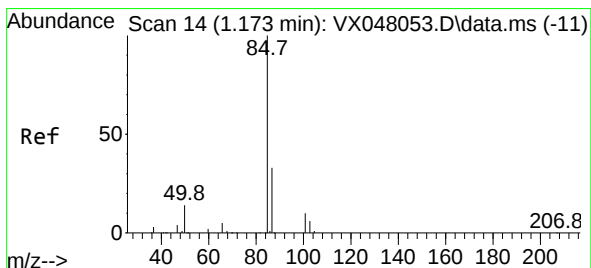
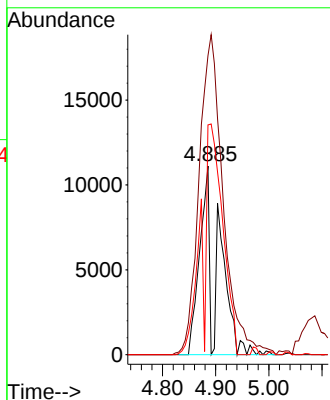
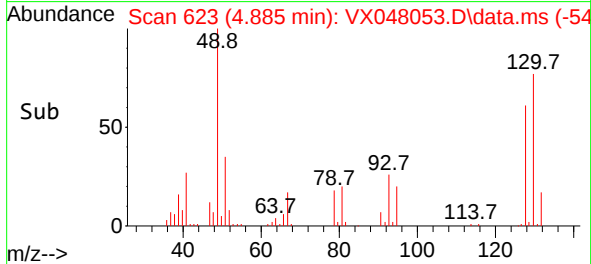
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



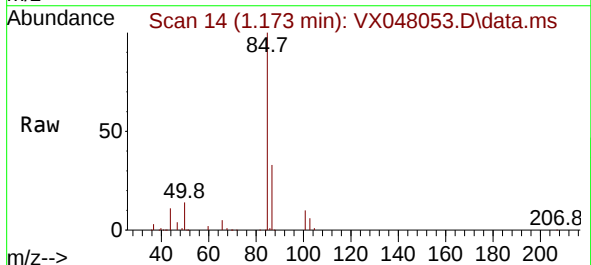
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Ion Ratio Lower Upper
128 100
49 230.4 0.0 601.2
130 109.6 0.0 286.0

Manual Integrations
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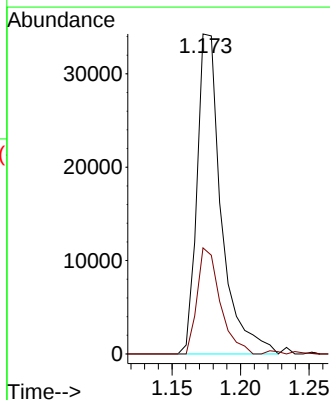
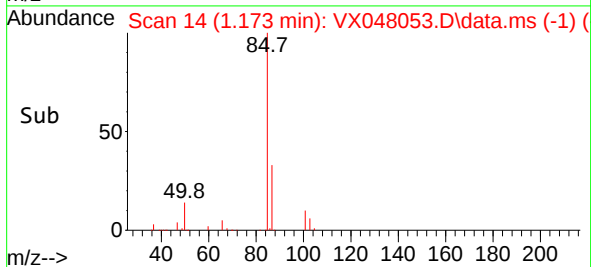
Reviewed By :John Carlone 10/08/2025
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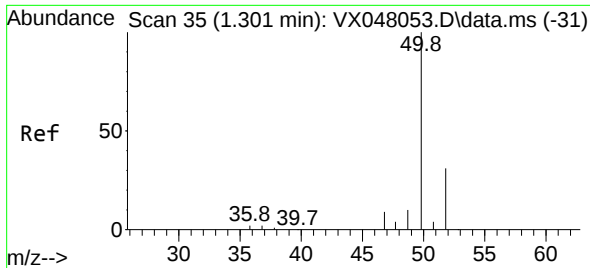


#2
Dichlorodifluoromethane
Concen: 24.026 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22



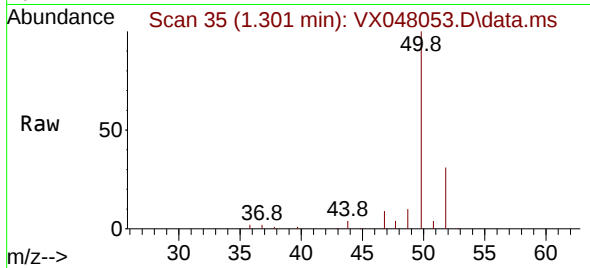
Tgt Ion: 85 Resp: 42408
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8





#3
Chloromethane
Concen: 25.364 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

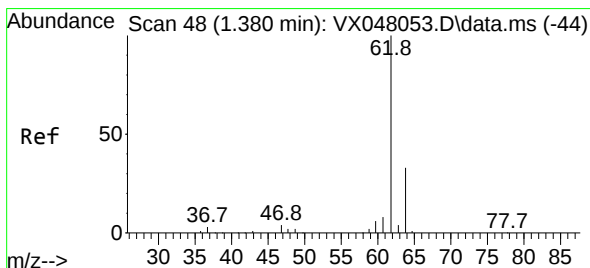
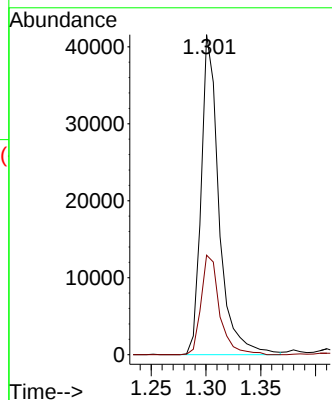
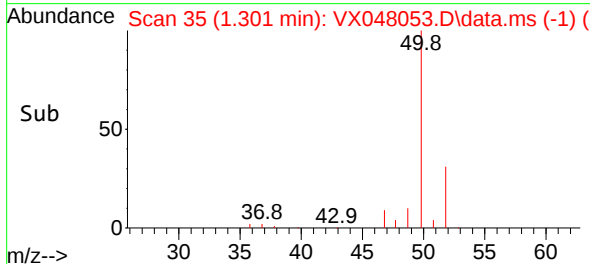
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 50 Resp: 46870
Ion Ratio Lower Upper
50 100
52 31.1 24.9 37.3

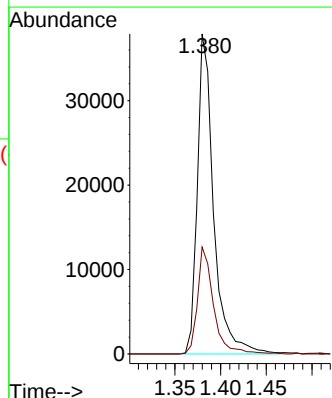
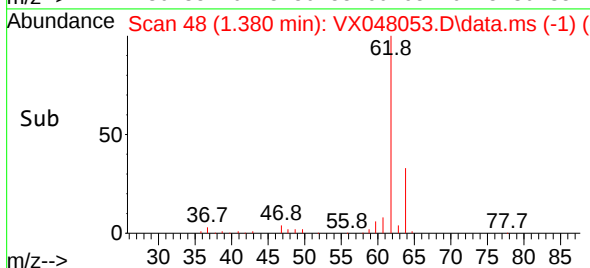
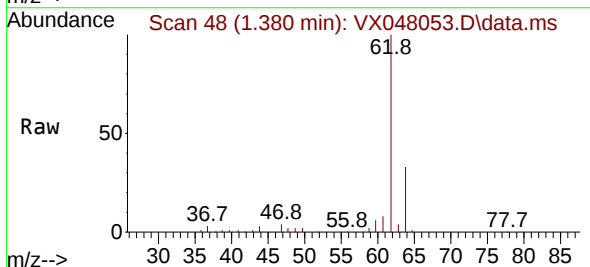
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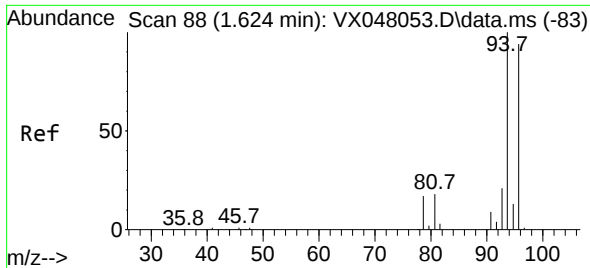
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#4
Vinyl Chloride
Concen: 26.082 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

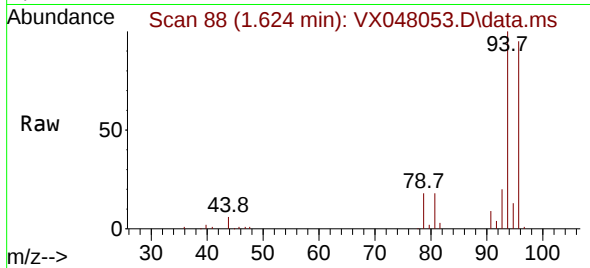
Tgt Ion: 62 Resp: 46976
Ion Ratio Lower Upper
62 100
64 34.3 27.4 41.2





#5
Bromomethane
Concen: 25.963 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

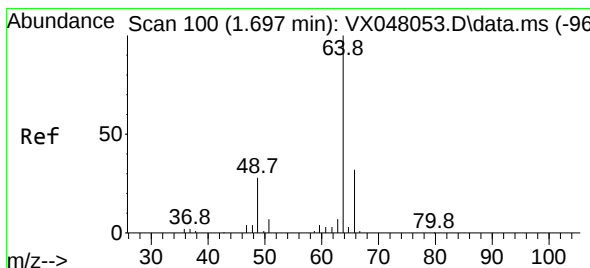
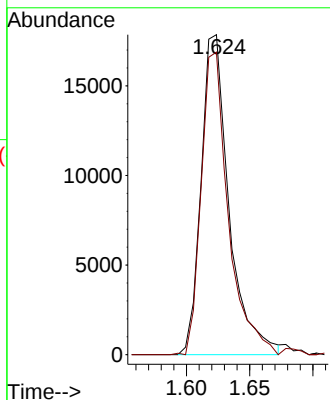
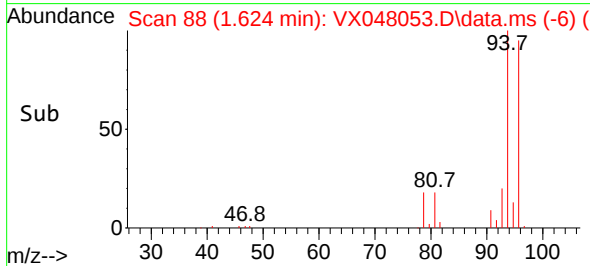
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Tgt Ion: 94 Resp: 27478
Ion Ratio Lower Upper
94 100
96 84.7 67.8 101.6

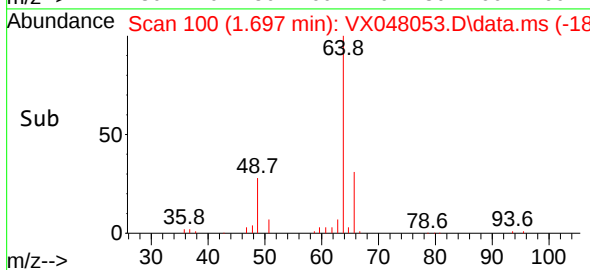
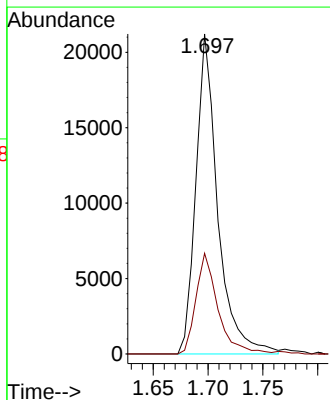
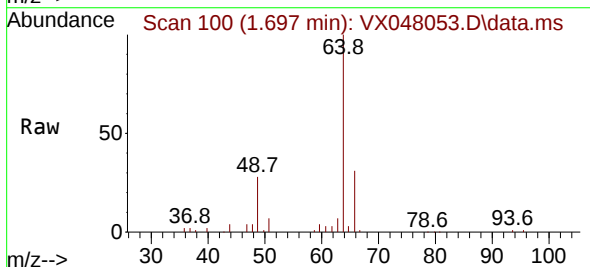
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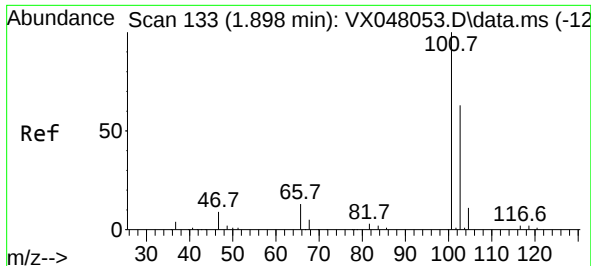
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#6
Chloroethane
Concen: 27.433 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

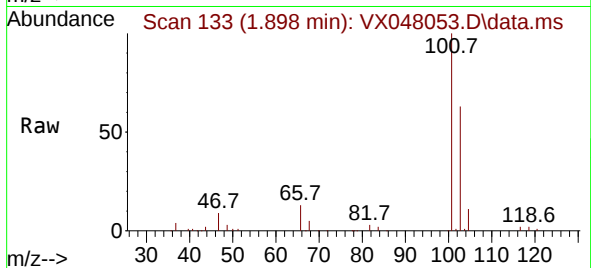
Tgt Ion: 64 Resp: 29365
Ion Ratio Lower Upper
64 100
66 31.1 24.9 37.3





#7
Trichlorofluoromethane
Concen: 25.299 ug/l
RT: 1.898 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

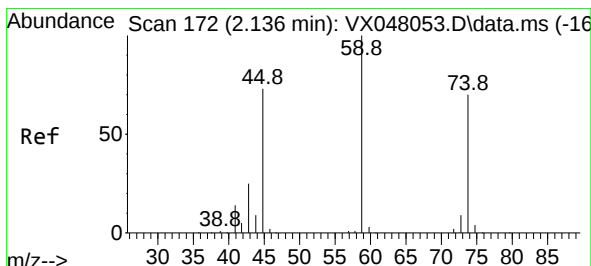
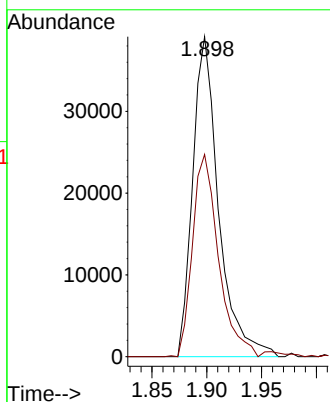
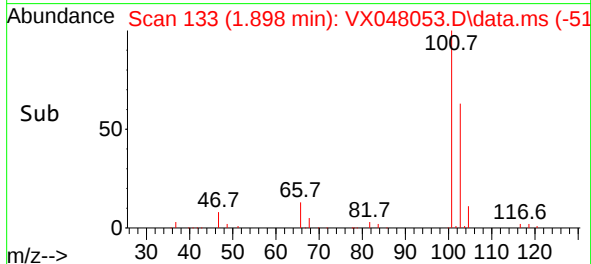
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Tgt Ion:101 Resp: 6424
Ion Ratio Lower Upper
101 100
103 63.3 50.6 76.0

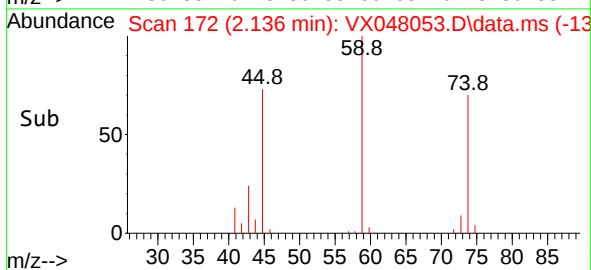
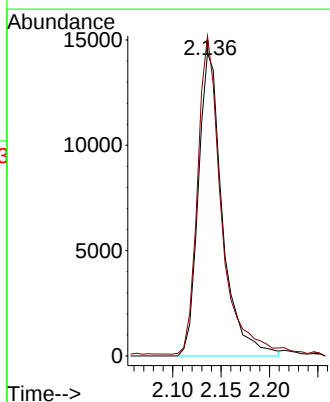
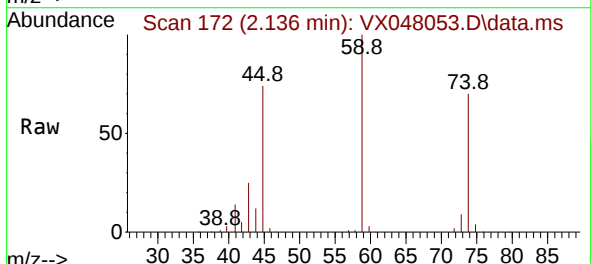
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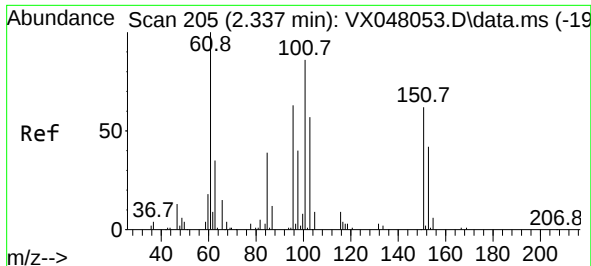
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#8
Diethyl Ether
Concen: 27.288 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 74 Resp: 25029
Ion Ratio Lower Upper
74 100
45 104.0 20.8 187.2





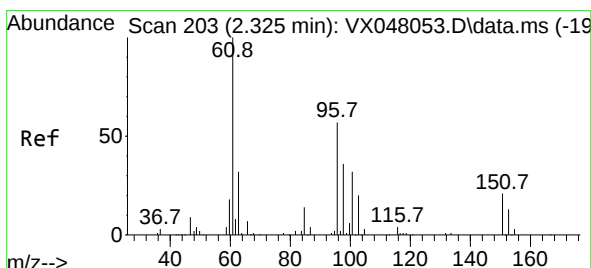
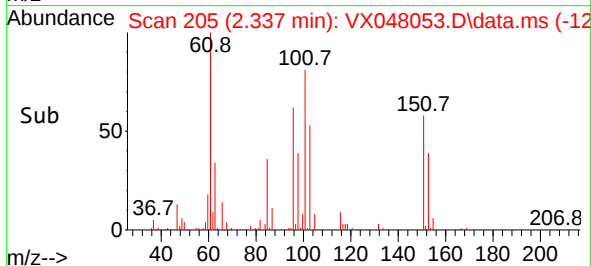
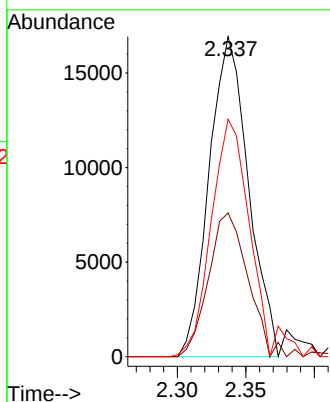
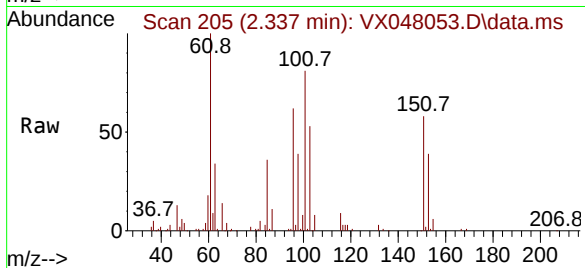
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1,1,2-Trichlorotrifluoroethane
Concen: 21.060 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 33738
Ion Ratio Lower Upper
101 100
85 44.1 0.0 88.2
151 70.5 0.0 141.0

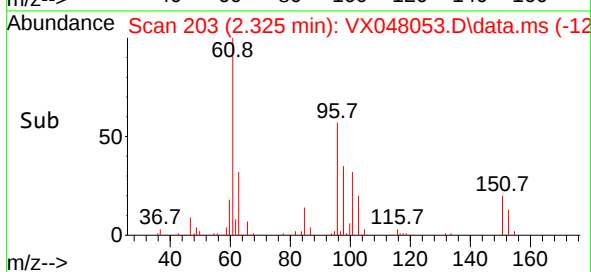
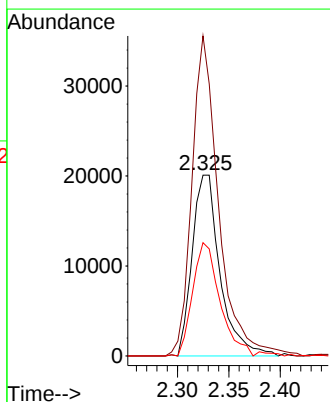
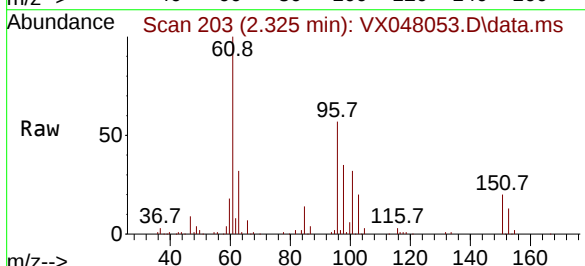
Manual Integrations
APPROVED

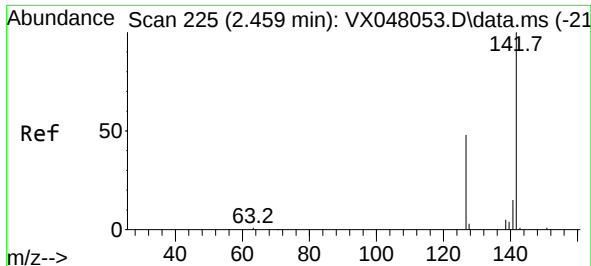
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#10
1,1-Dichloroethene
Concen: 23.522 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

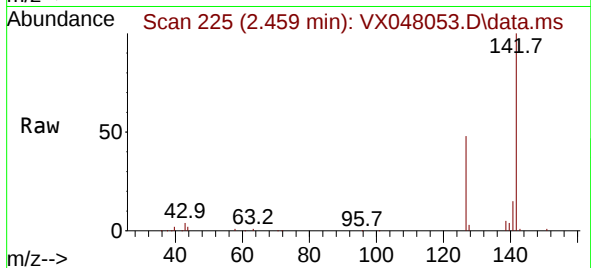
Tgt Ion: 96 Resp: 38006
Ion Ratio Lower Upper
96 100
61 166.8 133.4 200.2
98 62.2 49.8 74.6





#11
Methyl Iodide
Concen: 20.661 ug/l m
RT: 2.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

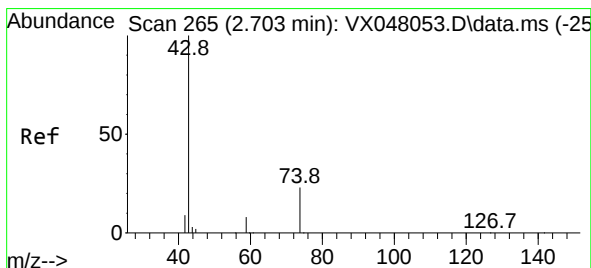
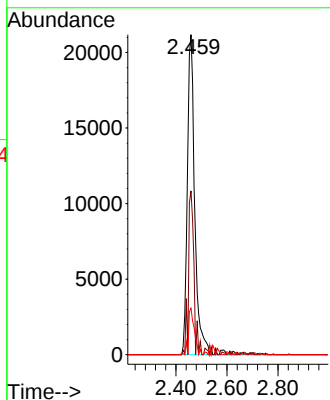
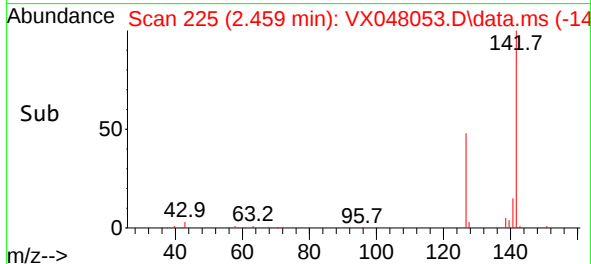
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 4344
Ion Ratio Lower Upper
142 100
127 48.3 24.1 72.4
141 14.5 7.2 21.7

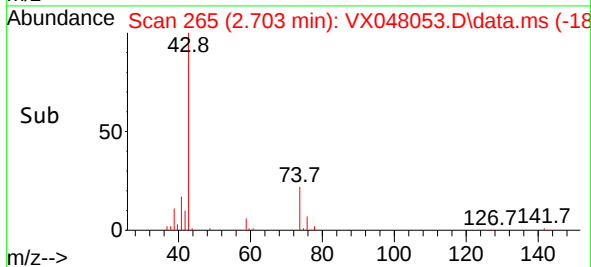
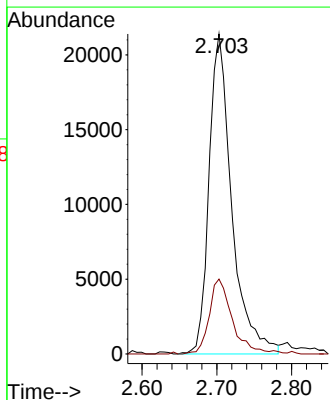
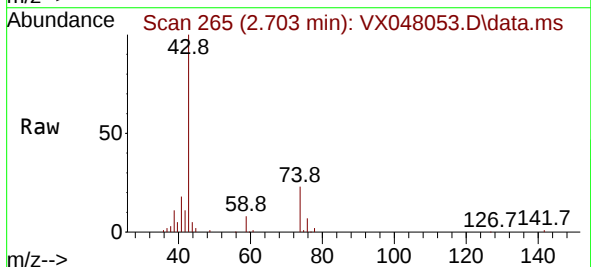
Manual Integrations
APPROVED

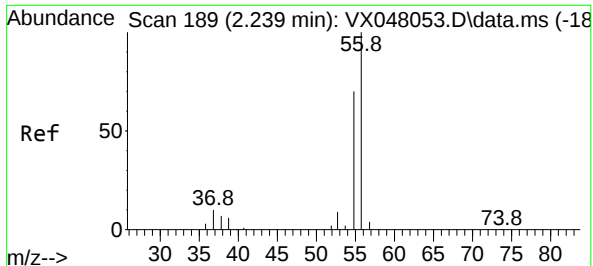
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#12
Methyl Acetate
Concen: 24.158 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

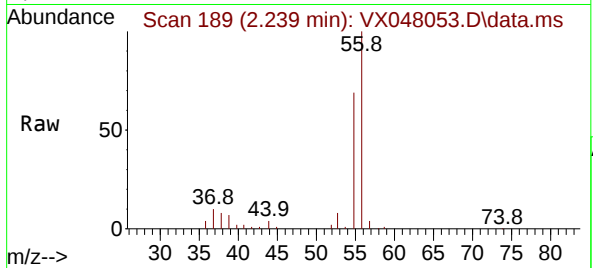
Tgt Ion: 43 Resp: 45227
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4





#13
Acrolein
Concen: 157.982 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

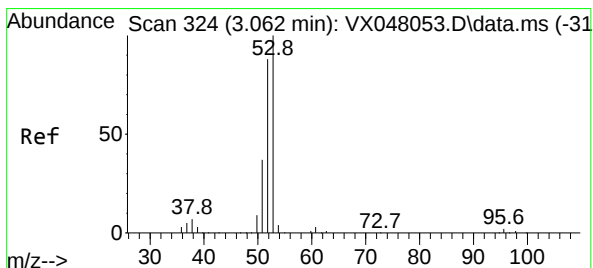
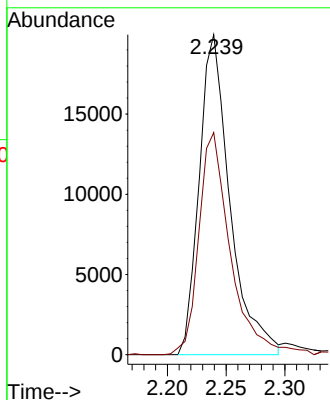
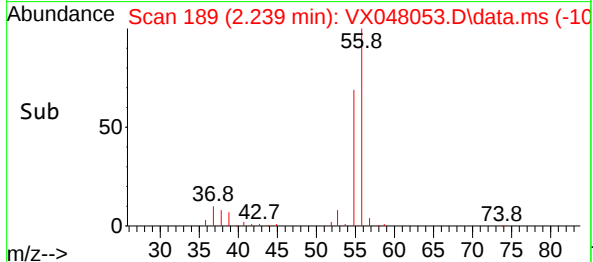
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 56 Resp: 3632
Ion Ratio Lower Upper
56 100
55 71.3 57.0 85.6

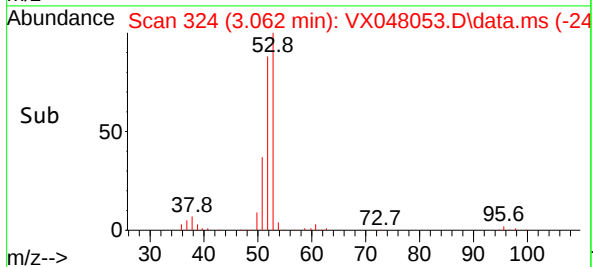
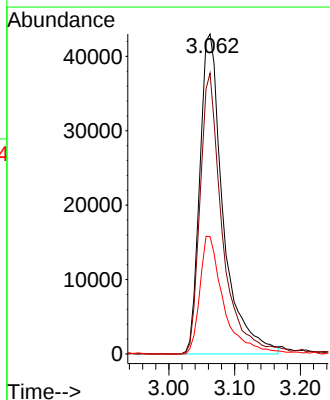
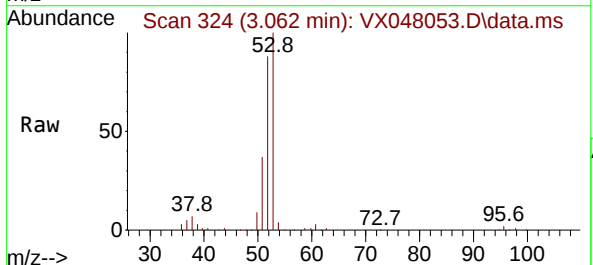
Manual Integrations
APPROVED

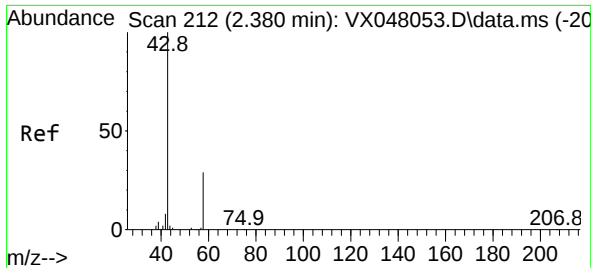
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#14
Acrylonitrile
Concen: 125.343 ug/l
RT: 3.062 min Scan# 324
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

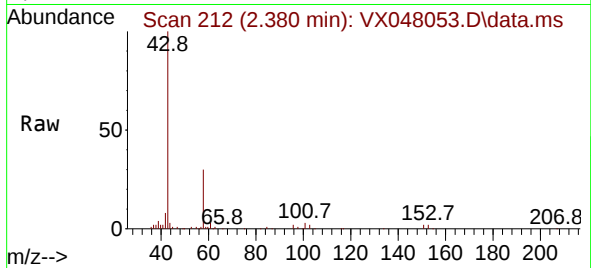
Tgt Ion: 53 Resp: 106577
Ion Ratio Lower Upper
53 100
52 83.5 41.8 125.3
51 37.3 18.6 56.0





#15
Acetone
Concen: 129.404 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

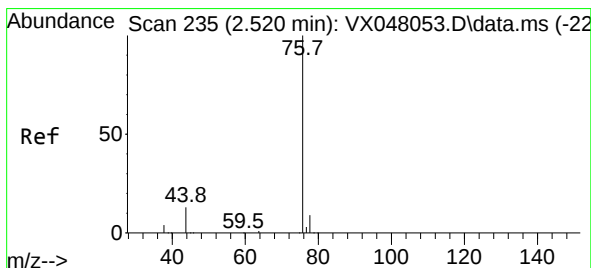
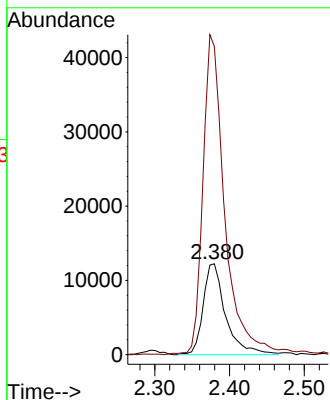
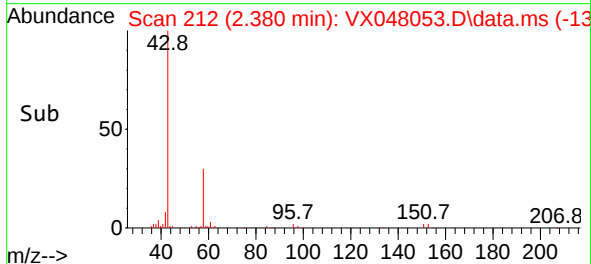
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 58 Resp: 25509
Ion Ratio Lower Upper
58 100
43 350.9 280.7 421.1

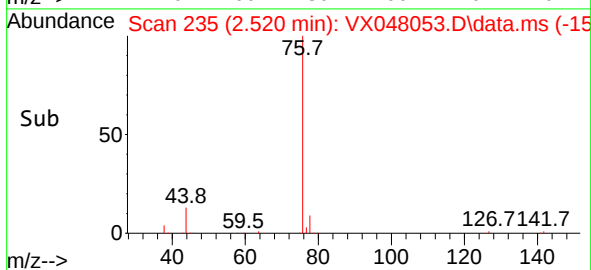
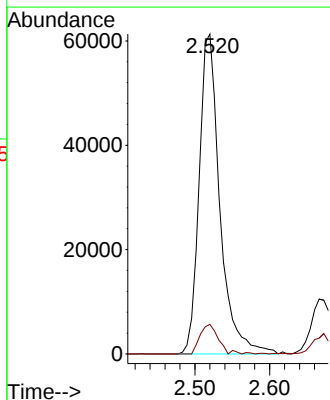
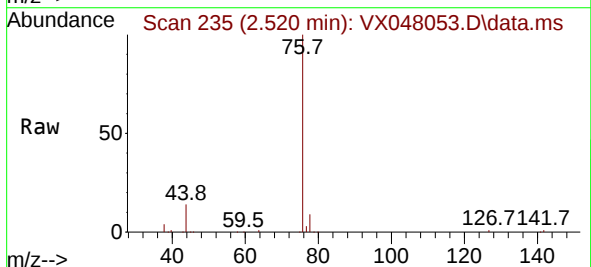
Manual Integrations
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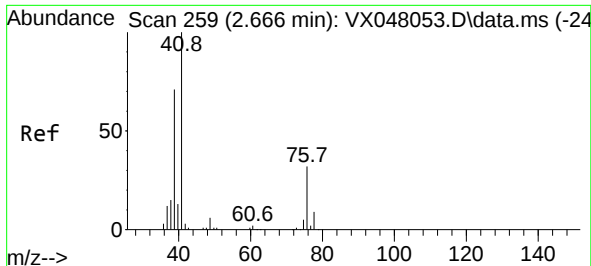
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#16
Carbon Disulfide
Concen: 25.671 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 76 Resp: 118030
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0





#17

Allyl chloride

Concen: 23.385 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 41 Resp: 68210

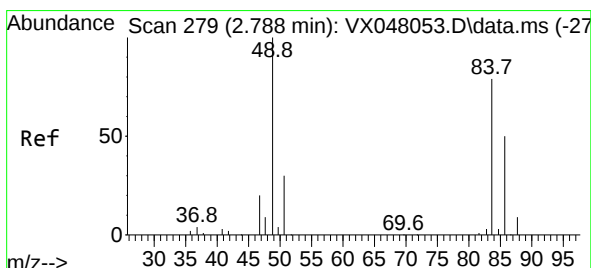
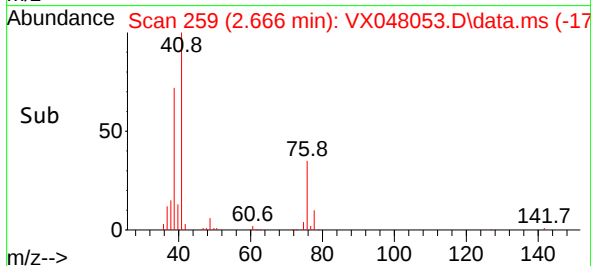
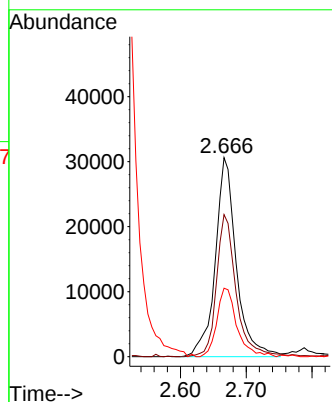
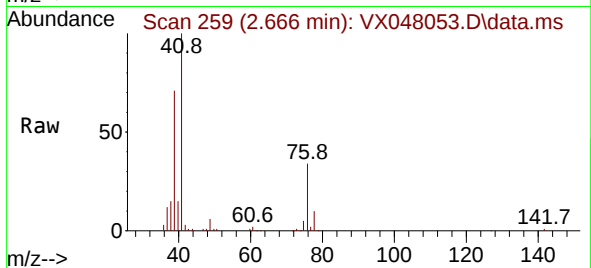
Ion	Ratio	Lower	Upper
41	100		
39	70.1	35.0	105.1
76	35.7	17.8	53.5

Manual Integrations

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Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#18

Methylene Chloride

Concen: 25.049 ug/l

RT: 2.788 min Scan# 279

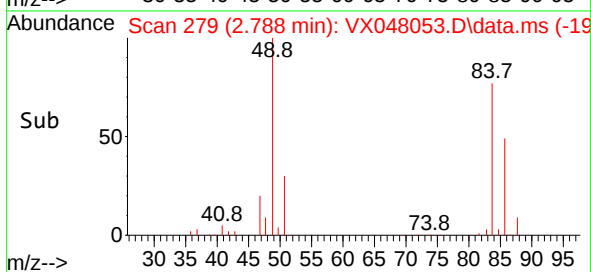
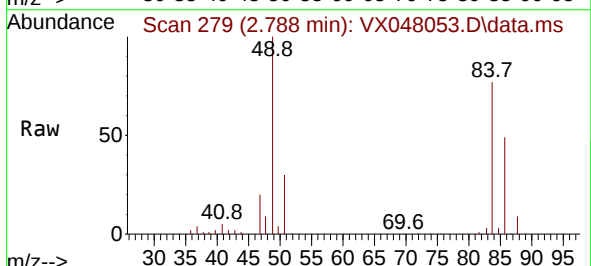
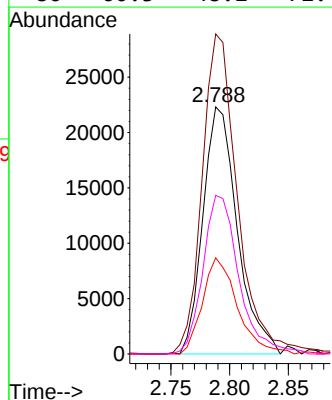
Delta R.T. 0.000 min

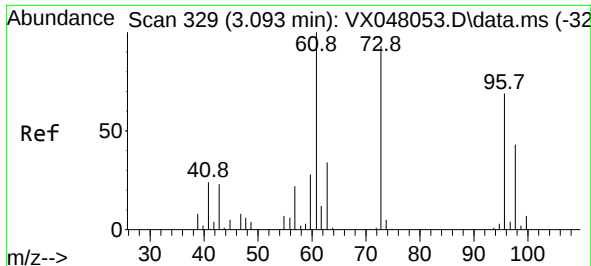
Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion: 84 Resp: 45369

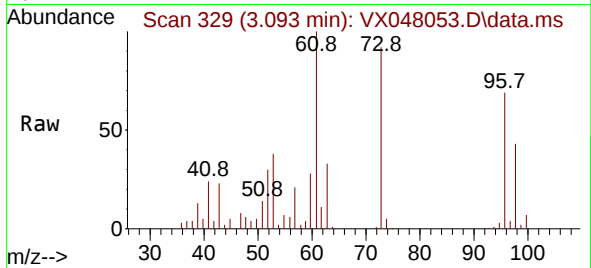
Ion	Ratio	Lower	Upper
84	100		
49	126.1	100.9	151.3
51	37.7	30.2	45.2
86	60.3	48.2	72.4





#19
trans-1,2-Dichloroethene
Concen: 24.593 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

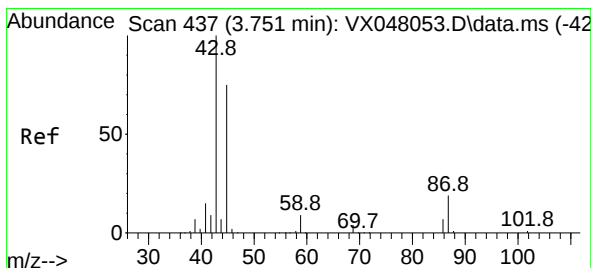
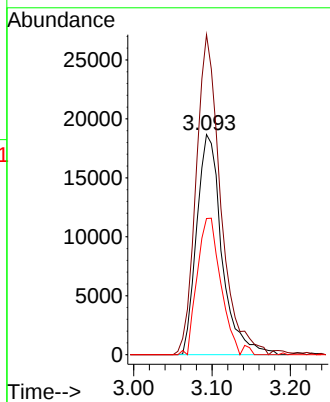
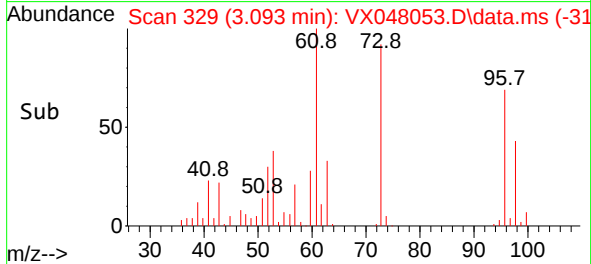
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 96 Resp: 4173
Ion Ratio Lower Upper
96 100
61 151.3 121.0 181.6
98 60.6 48.5 72.7

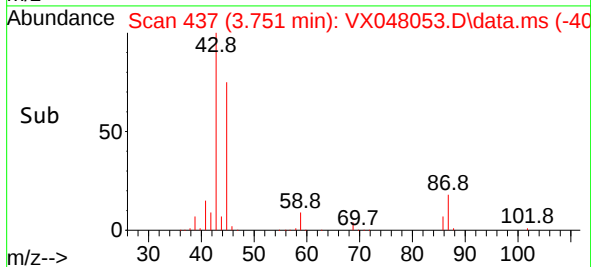
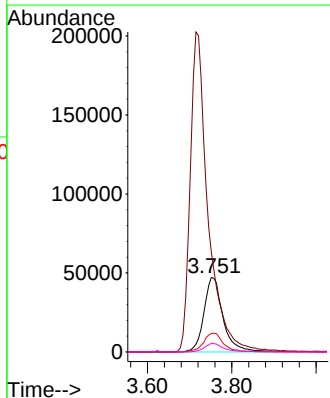
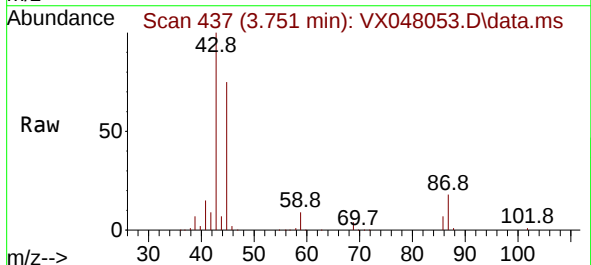
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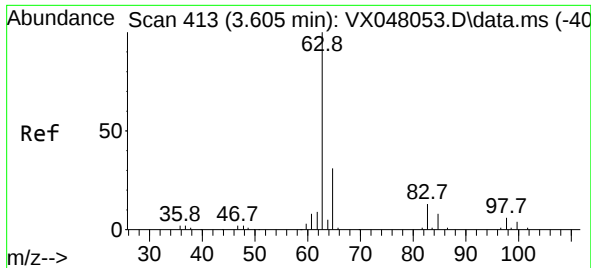
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#20
Diisopropyl ether
Concen: 26.097 ug/l
RT: 3.751 min Scan# 437
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 45 Resp: 148782
Ion Ratio Lower Upper
45 100
43 131.7 105.4 158.0
87 24.6 19.7 29.5
59 12.3 9.8 14.8





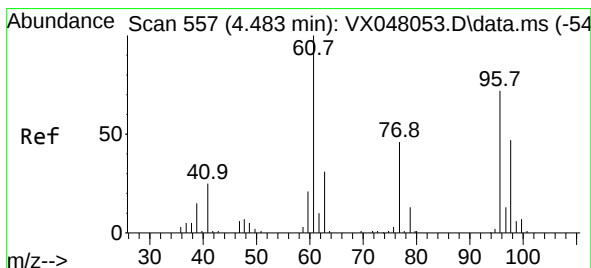
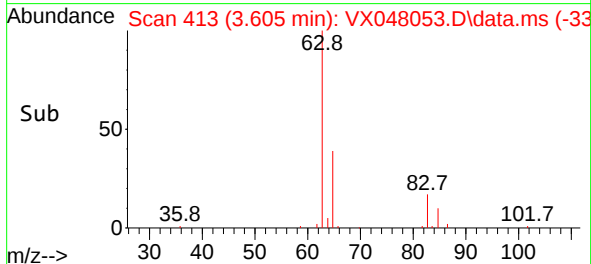
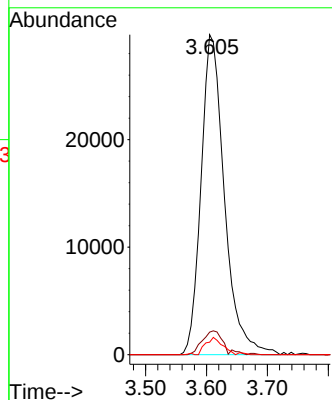
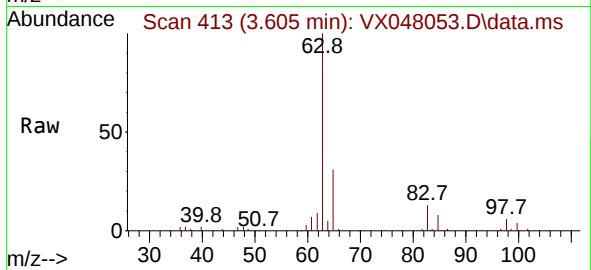
#21
1,1-Dichloroethane
Concen: 24.723 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 79425
Ion Ratio Lower Upper
63 100
98 7.1 3.5 10.6
100 3.9 2.0 5.8

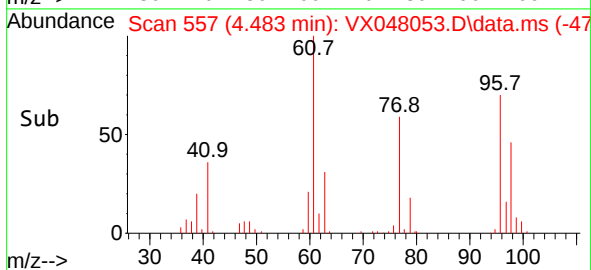
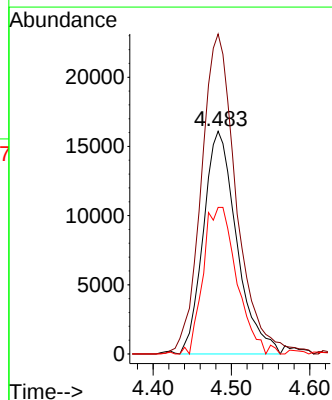
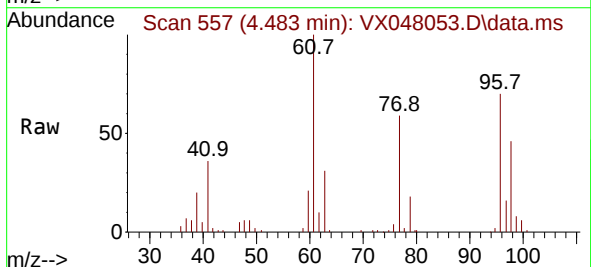
Manual Integrations
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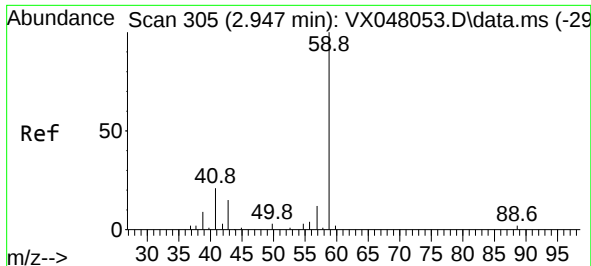
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#22
cis-1,2-Dichloroethene
Concen: 24.273 ug/l
RT: 4.483 min Scan# 557
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

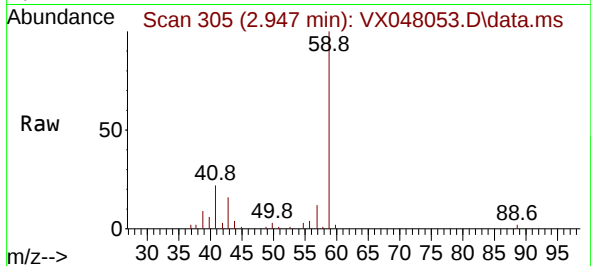
Tgt Ion: 96 Resp: 47535
Ion Ratio Lower Upper
96 100
61 151.7 121.4 182.0
98 24.5 19.6 29.4





#23
tert-Butyl Alcohol
Concen: 139.814 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

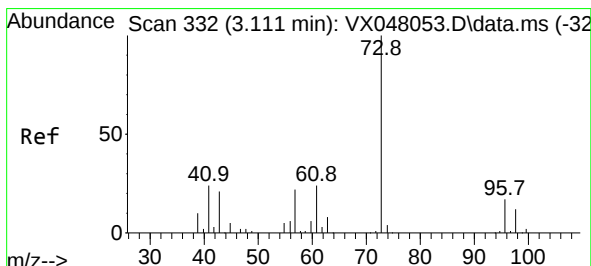
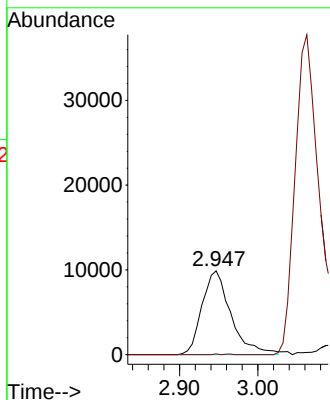
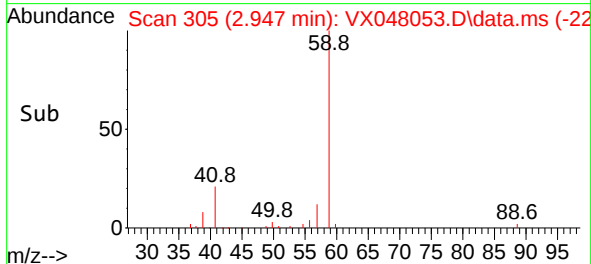
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 59 Resp: 25432
Ion Ratio Lower Upper
59 100
52 0.1 0.1 0.1

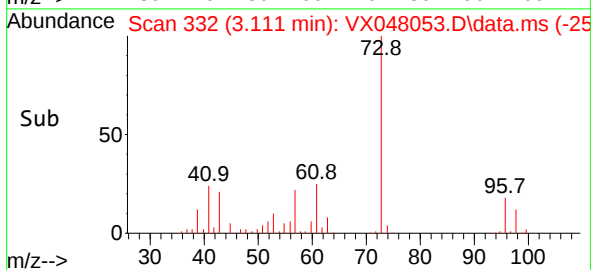
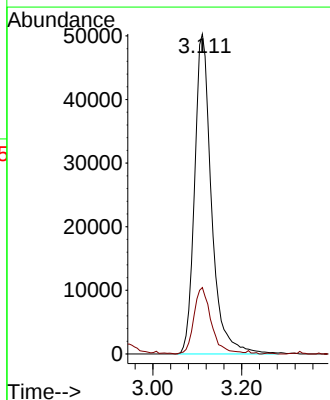
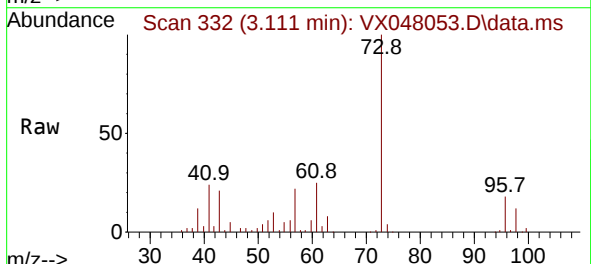
Manual Integrations
APPROVED

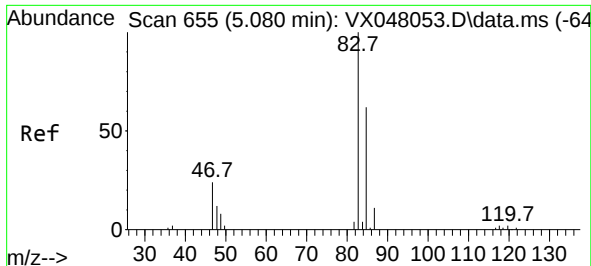
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#24
Methyl tert-Butyl Ether
Concen: 26.092 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 73 Resp: 132923
Ion Ratio Lower Upper
73 100
43 21.4 17.1 25.7





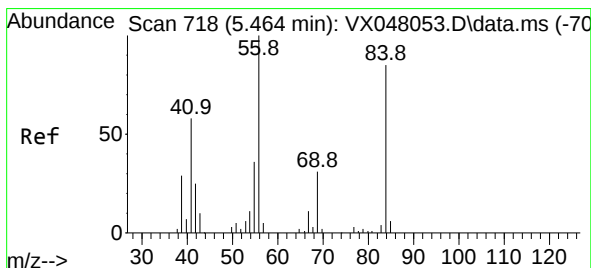
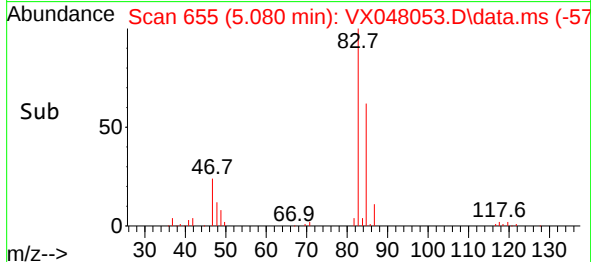
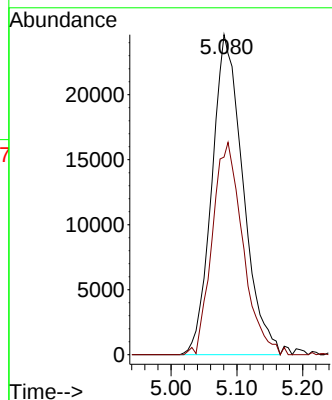
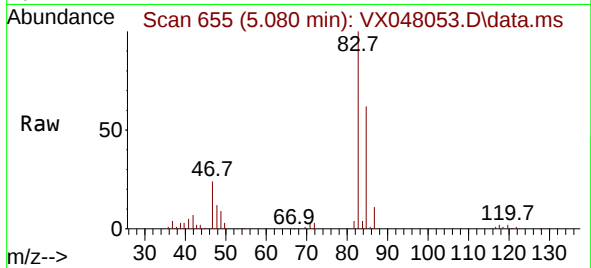
#25
Chloroform
Concen: 24.631 ug/l
RT: 5.080 min Scan# 612
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 81200
Ion Ratio Lower Upper
83 100
85 62.9 50.3 75.5

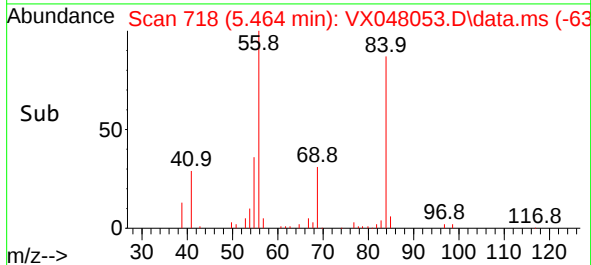
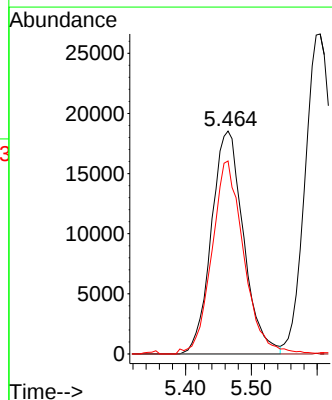
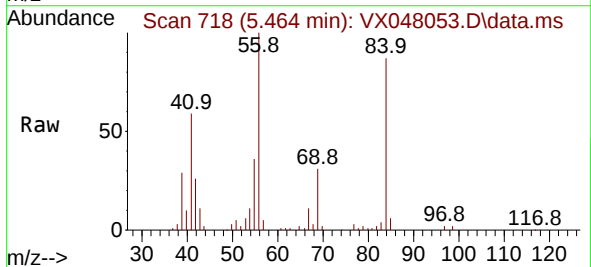
Manual Integrations
APPROVED

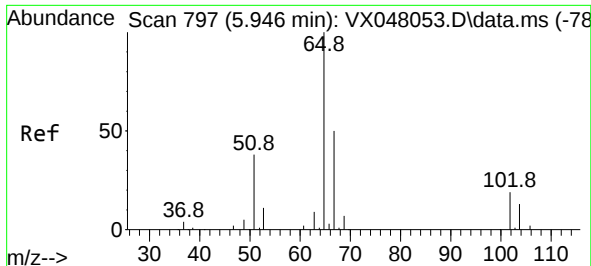
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#26
Cyclohexane
Concen: 22.235 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

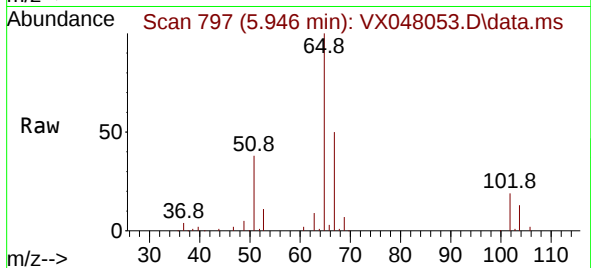
Tgt Ion: 56 Resp: 62923
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 83.3 66.6 100.0





#27
 1,2-Dichloroethane-d4
 Concen: 35.972 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX048053.D
 Acq: 07 Oct 2025 17:22

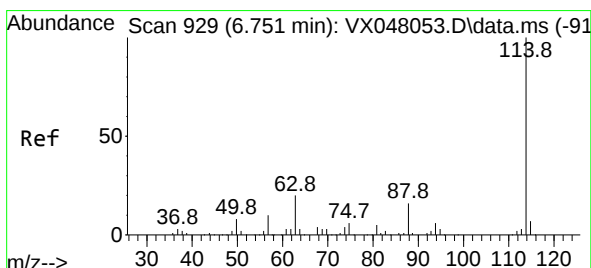
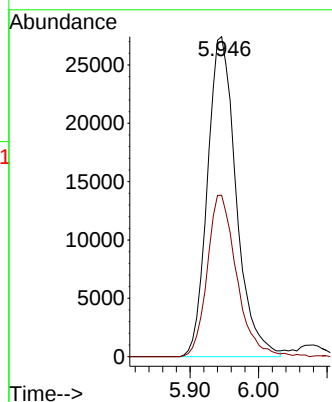
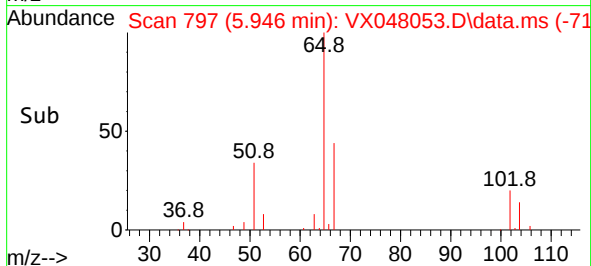
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



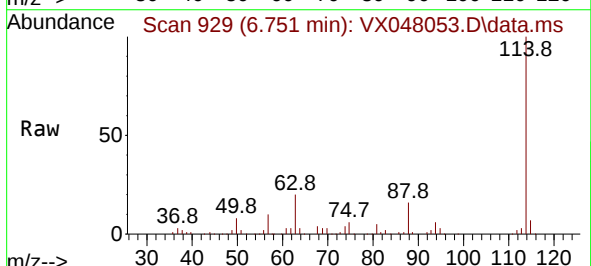
Tgt Ion: 65 Resp: 7977
 Ion Ratio Lower Upper
 65 100
 67 51.2 41.0 61.4

Manual Integrations
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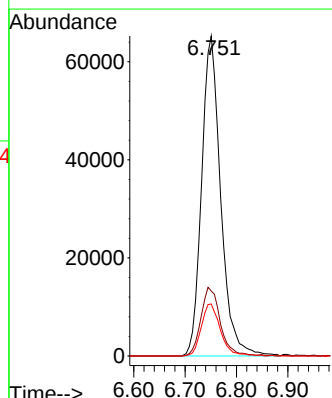
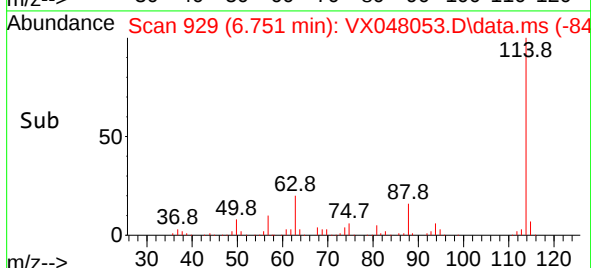
Reviewed By :John Carlone 10/08/2025
 Supervised By :Mahesh Dadoda 10/09/2025

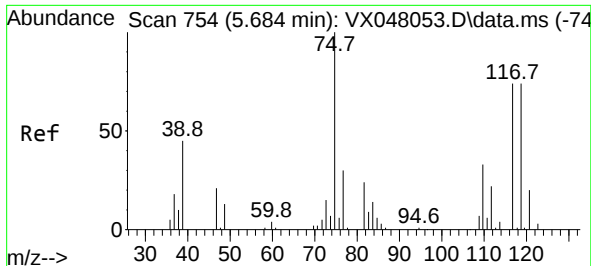


#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.000 min
 Lab File: VX048053.D
 Acq: 07 Oct 2025 17:22



Tgt Ion:114 Resp: 168414
 Ion Ratio Lower Upper
 114 100
 63 21.7 17.4 26.0
 88 16.0 12.8 19.2





#29

1,1-Dichloropropene

Concen: 20.168 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 5232

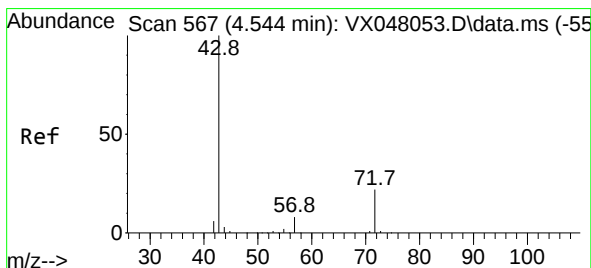
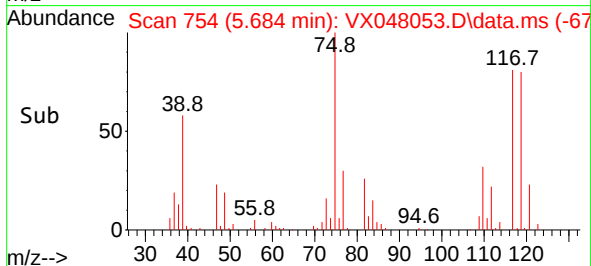
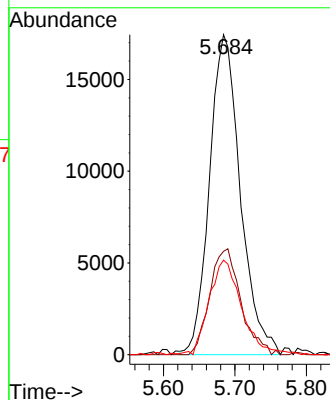
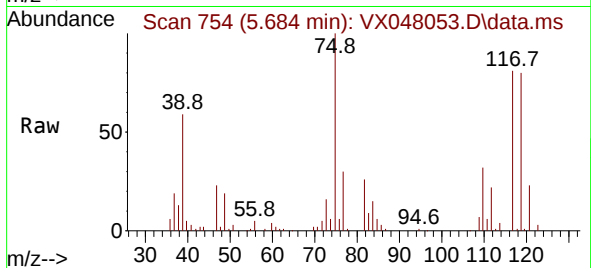
Ion	Ratio	Lower	Upper
75	100		
110	33.2	0.0	66.4
77	30.9	0.0	61.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#30

2-Butanone

Concen: 108.125 ug/l

RT: 4.544 min Scan# 567

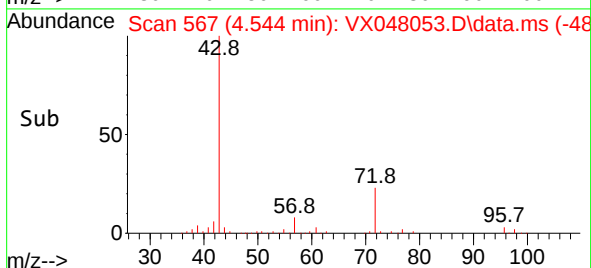
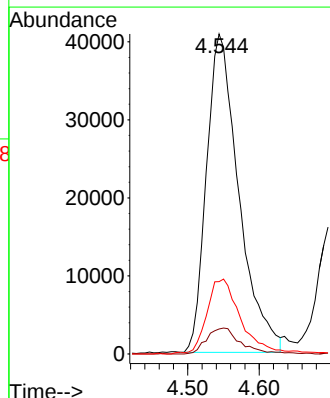
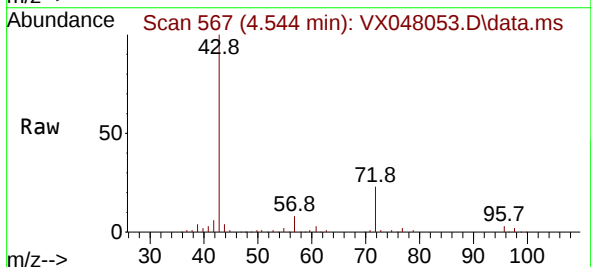
Delta R.T. 0.000 min

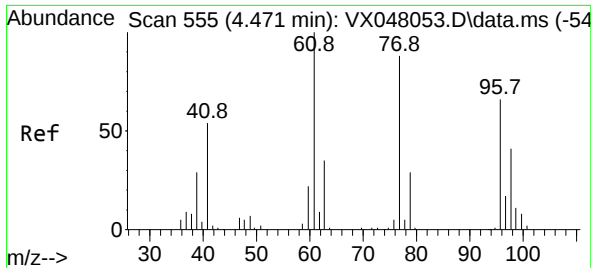
Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion: 43 Resp: 128092

Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	23.6	18.9	28.3





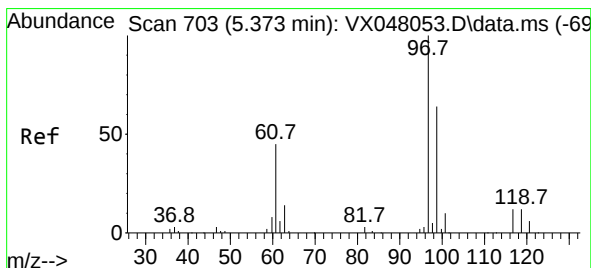
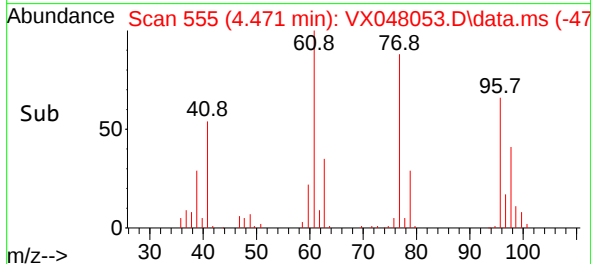
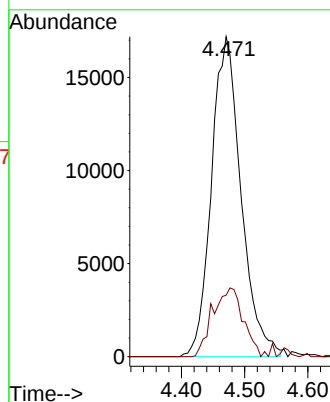
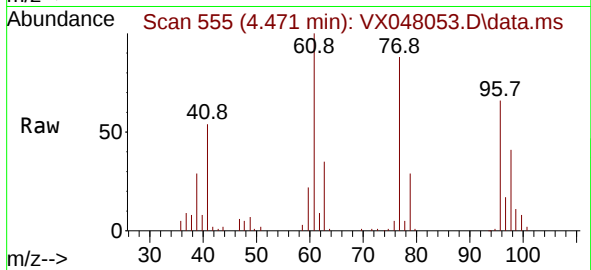
#31
2,2-Dichloropropane
Concen: 23.092 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 77 Resp: 55840
Ion Ratio Lower Upper
77 100
97 17.3 13.8 20.8

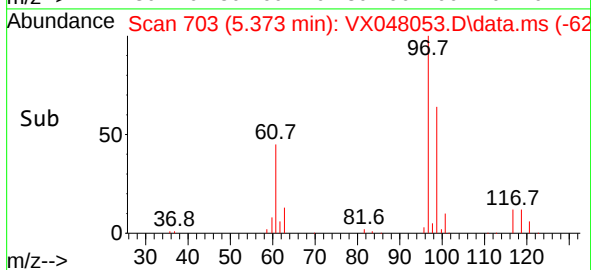
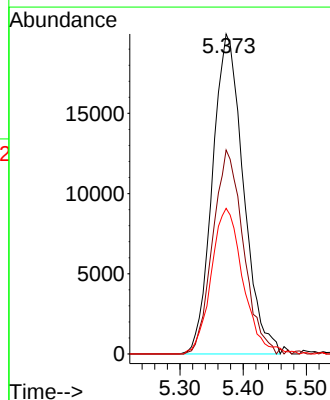
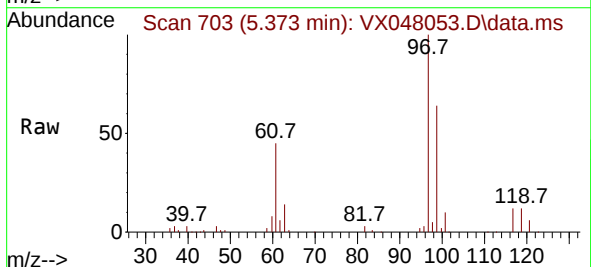
Manual Integrations
APPROVED

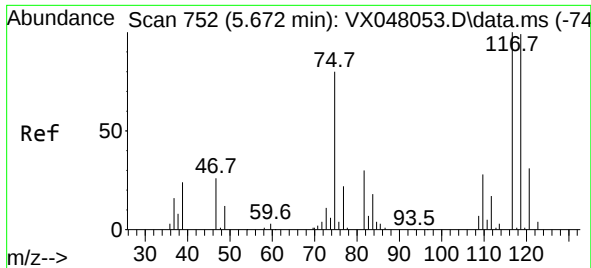
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#32
1,1,1-Trichloroethane
Concen: 20.857 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

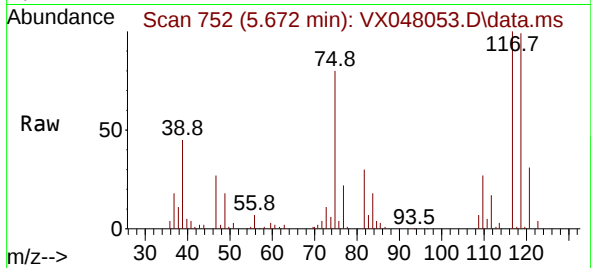
Tgt Ion: 97 Resp: 67692
Ion Ratio Lower Upper
97 100
99 63.0 50.4 75.6
61 46.1 36.9 55.3





#33
Carbon Tetrachloride
Concen: 18.311 ug/l m
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

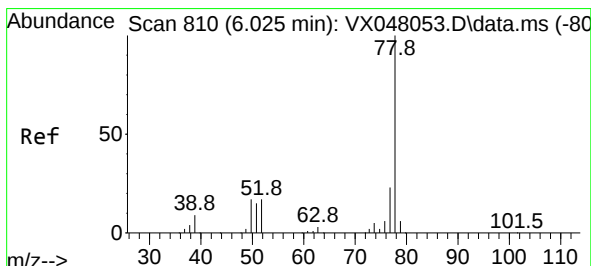
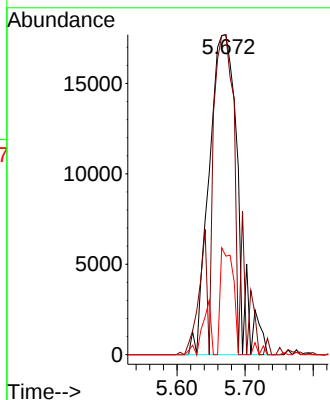
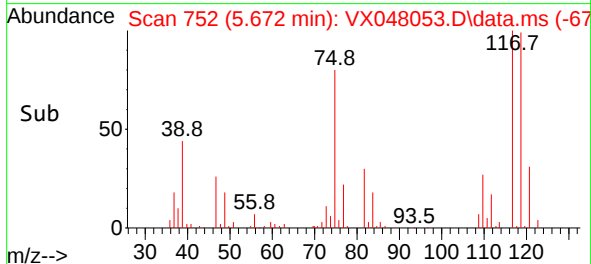
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



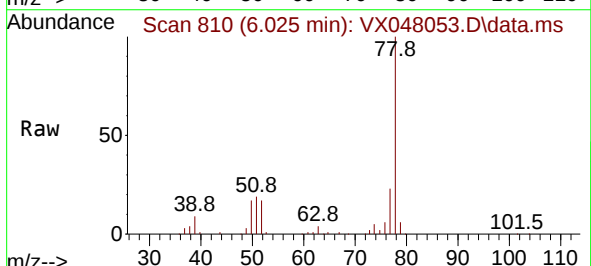
Tgt Ion:117 Resp: 51140
Ion Ratio Lower Upper
117 100
119 98.9 79.1 118.7
121 30.8 24.6 37.0

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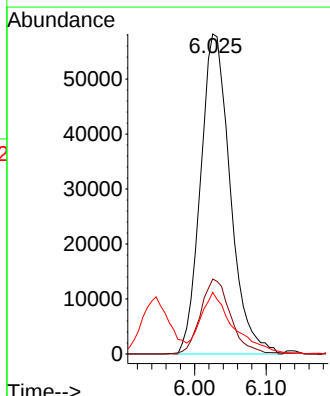
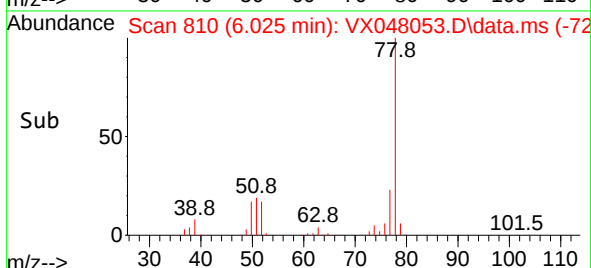
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

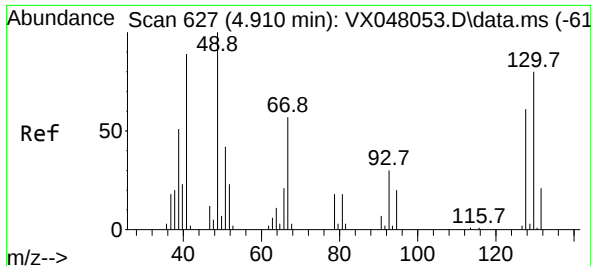


#34
Benzene
Concen: 21.584 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22



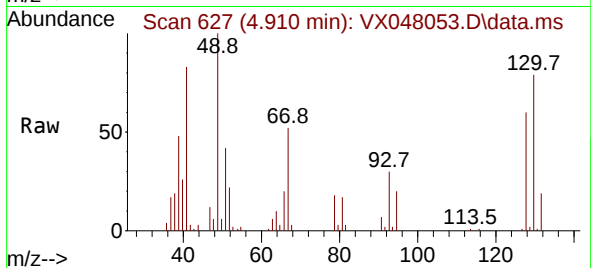
Tgt Ion: 78 Resp: 167918
Ion Ratio Lower Upper
78 100
77 20.4 16.3 24.5
51 17.3 13.8 20.8





#35
Methacrylonitrile
Concen: 21.038 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

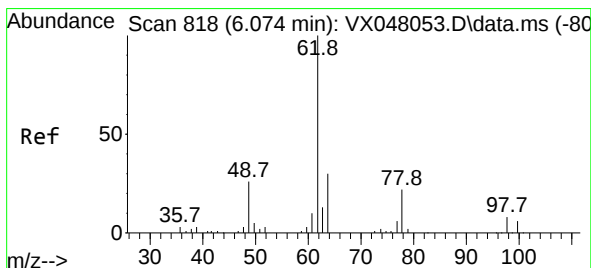
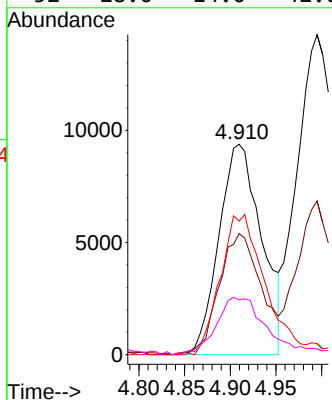
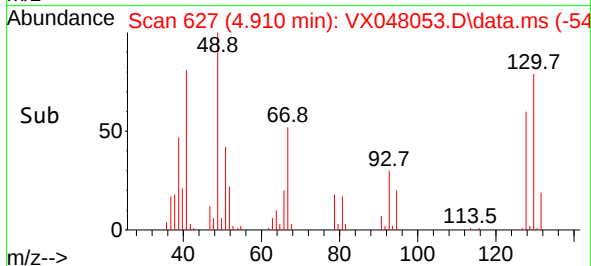
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 30610
Ion Ratio Lower Upper
41 100
39 50.8 25.4 76.2
67 66.6 33.3 99.9
52 28.0 14.0 42.0

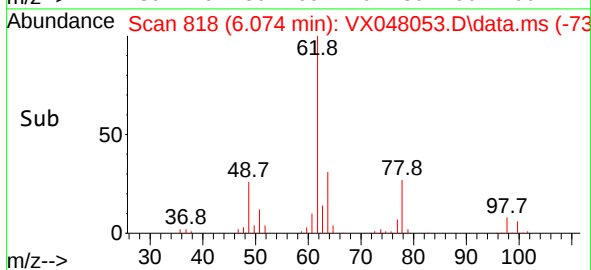
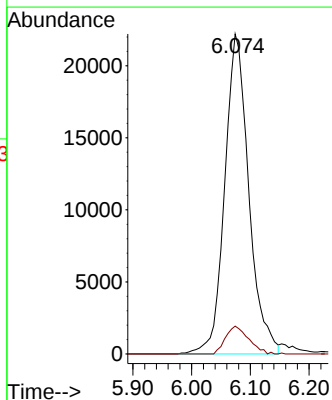
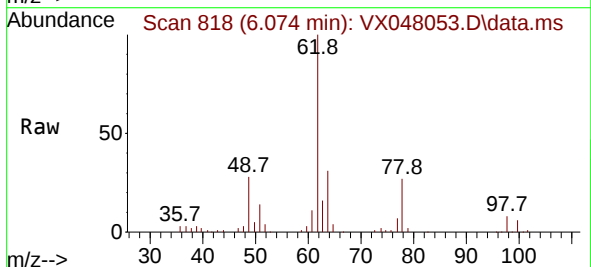
Manual Integrations
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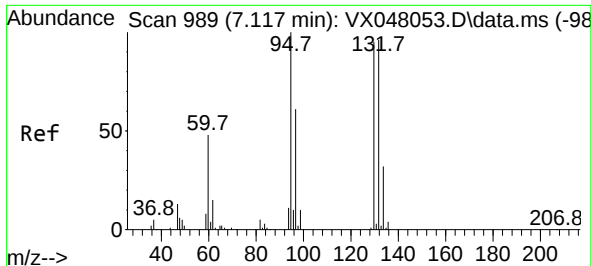
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#36
1,2-Dichloroethane
Concen: 21.629 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

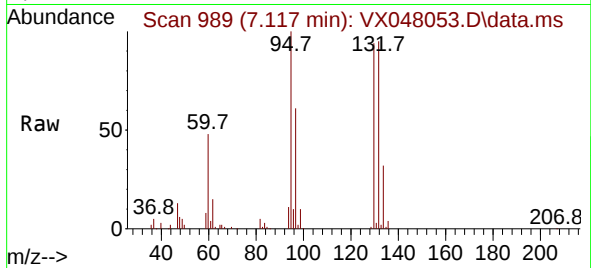
Tgt Ion: 62 Resp: 63255
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8





#37
Trichloroethene
Concen: 20.272 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

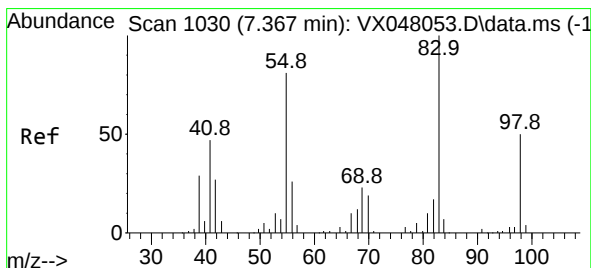
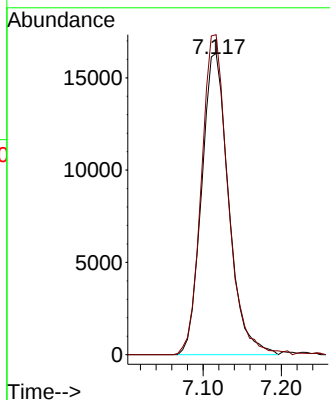
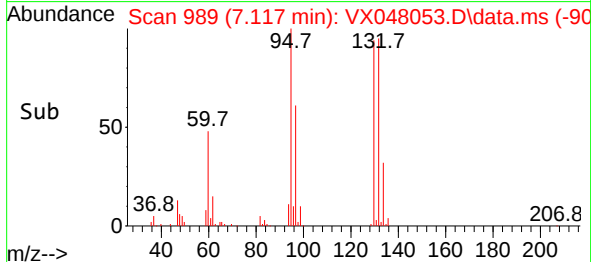
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



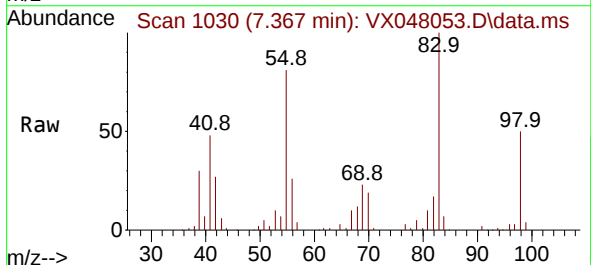
Tgt Ion:130 Resp: 39214
Ion Ratio Lower Upper
130 100
95 105.7 84.6 126.8

Manual Integrations
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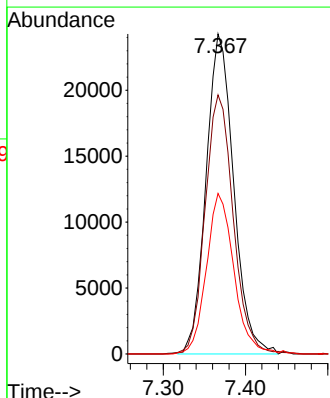
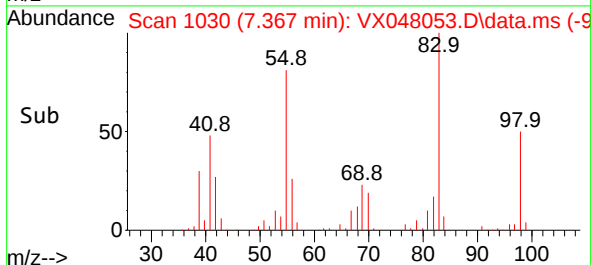
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

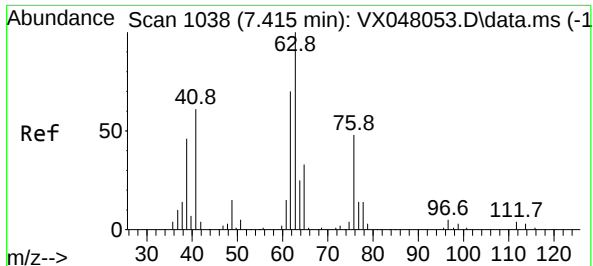


#38
Methylcyclohexane
Concen: 17.566 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22



Tgt Ion: 83 Resp: 56680
Ion Ratio Lower Upper
83 100
55 82.6 41.3 123.9
98 49.8 24.9 74.7





#39

1,2-Dichloropropane

Concen: 21.865 ug/l

RT: 7.415 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 42750

Ion Ratio Lower Upper

63 100

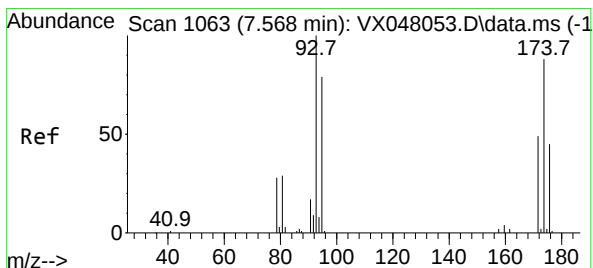
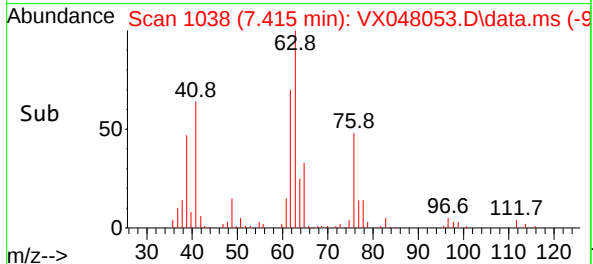
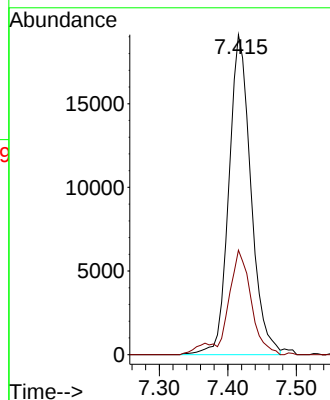
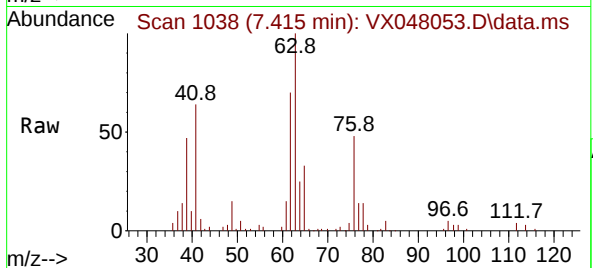
65 32.7 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#40

Dibromomethane

Concen: 22.128 ug/l

RT: 7.568 min Scan# 1063

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

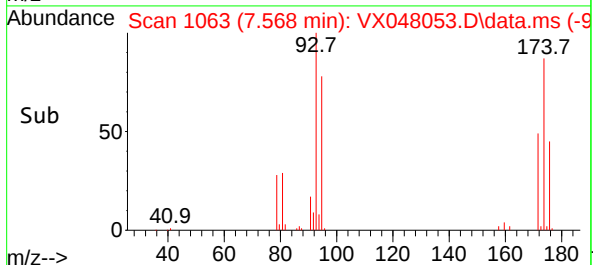
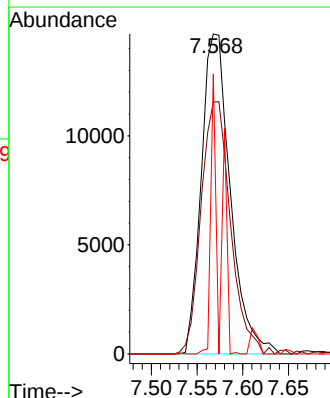
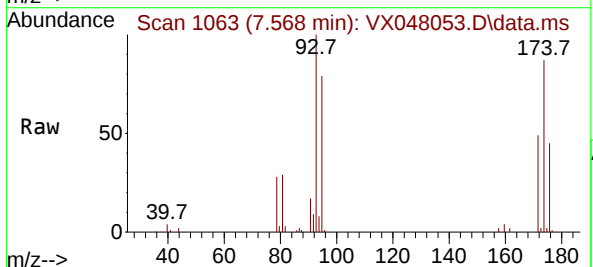
Tgt Ion: 93 Resp: 32390

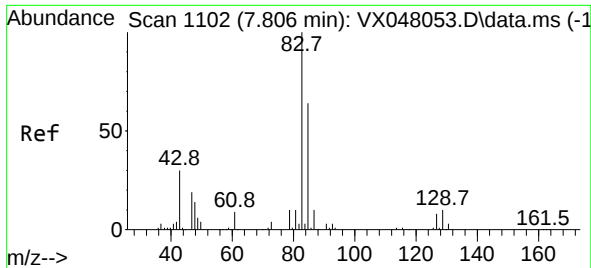
Ion Ratio Lower Upper

93 100

95 0.5 0.0 1.0

174 14.8 0.0 29.6





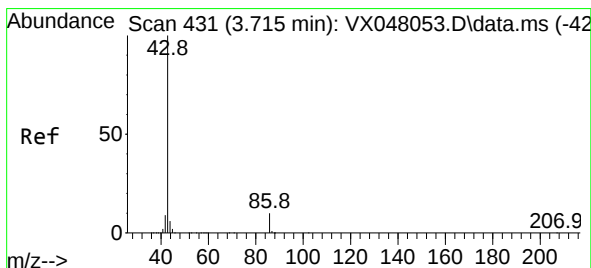
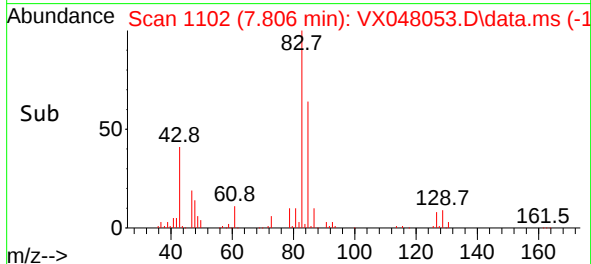
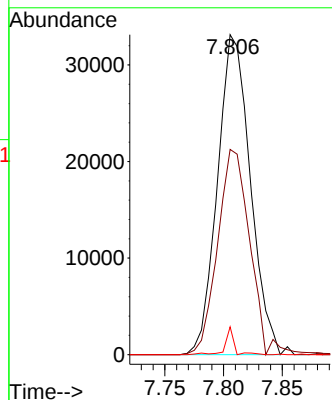
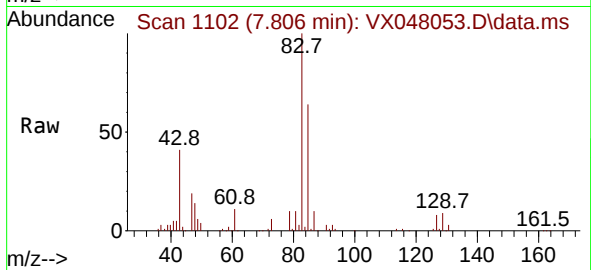
#41
Bromodichloromethane
Concen: 21.788 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 83 Resp: 6438
Ion Ratio Lower Upper
83 100
85 63.6 50.9 76.3
127 8.5 6.8 10.2

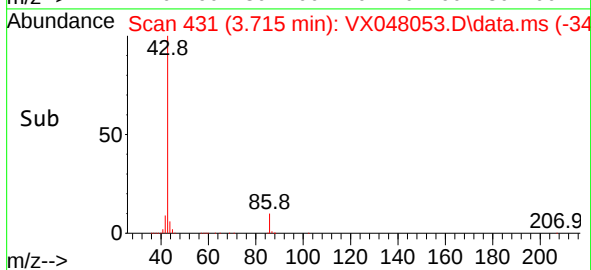
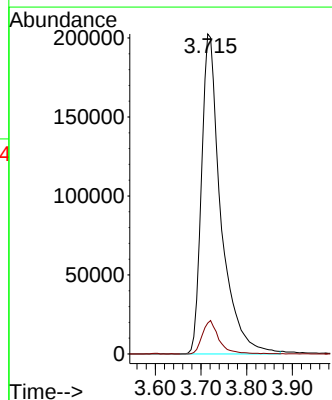
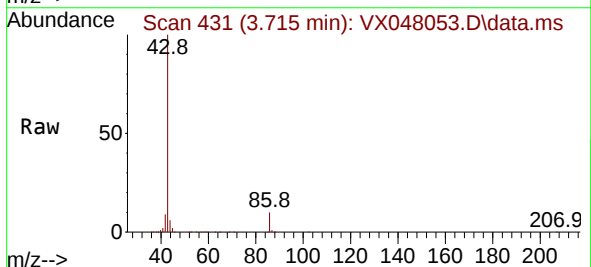
Manual Integrations
APPROVED

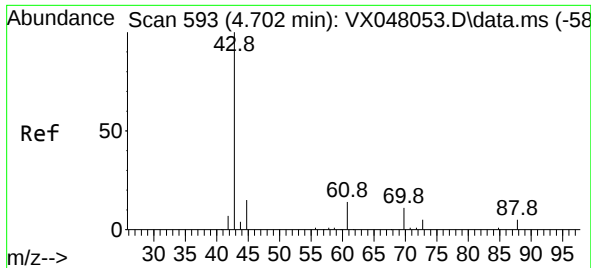
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#42
Vinyl Acetate
Concen: 112.197 ug/l
RT: 3.715 min Scan# 431
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

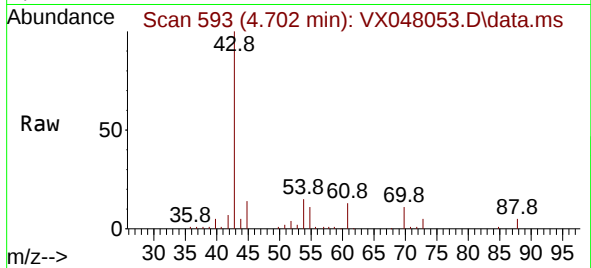
Tgt Ion: 43 Resp: 596070
Ion Ratio Lower Upper
43 100
86 8.9 7.1 10.7





#43
Ethyl Acetate
Concen: 21.559 ug/l
RT: 4.702 min Scan# 593
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

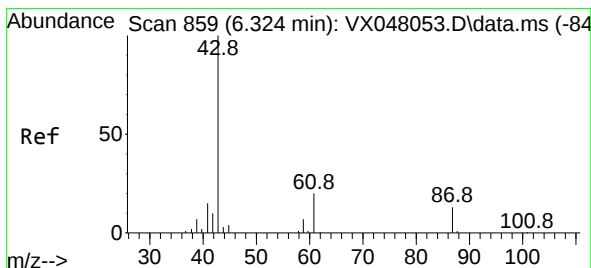
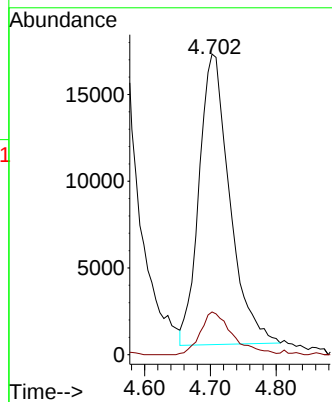
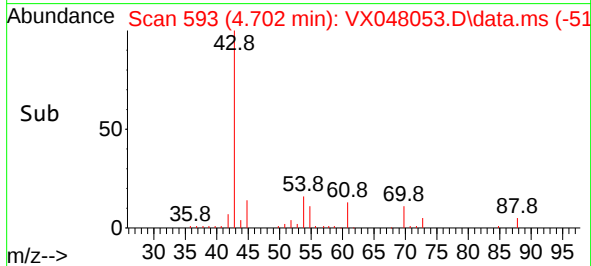
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 54228
Ion Ratio Lower Upper
43 100
45 15.5 12.3 18.5

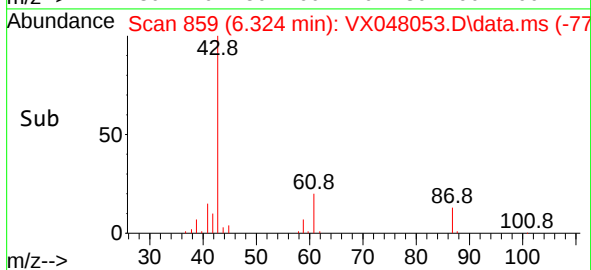
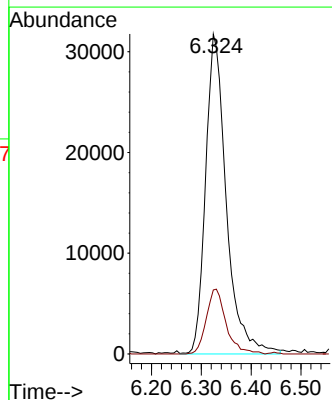
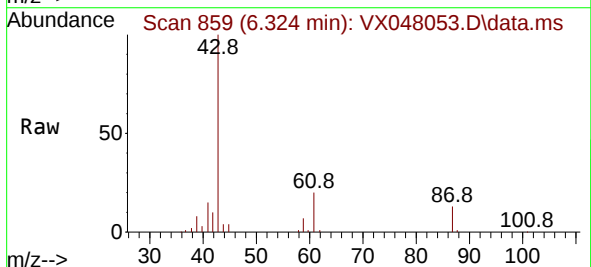
Manual Integrations
APPROVED

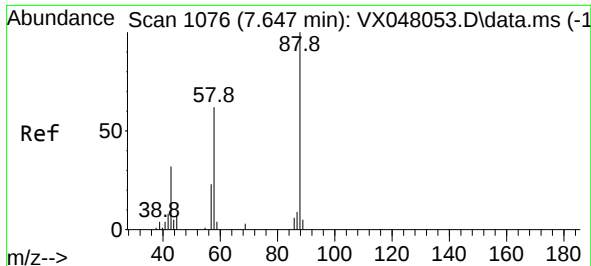
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#44
Isopropyl Acetate
Concen: 22.803 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

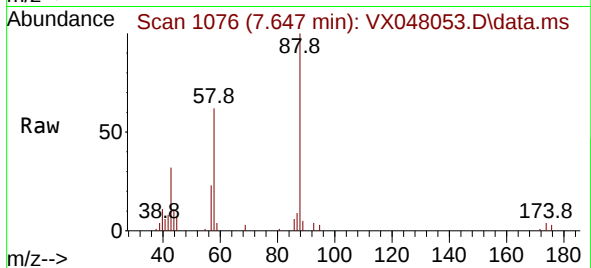
Tgt Ion: 43 Resp: 91661
Ion Ratio Lower Upper
43 100
61 19.3 15.5 23.3





#45
1,4-Dioxane
Concen: 449.369 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

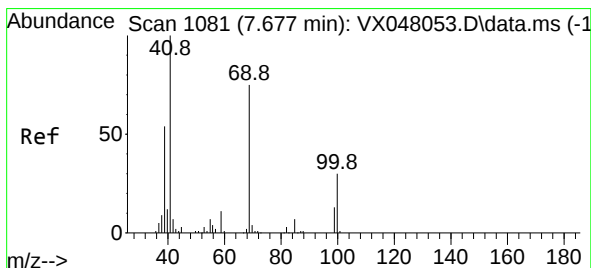
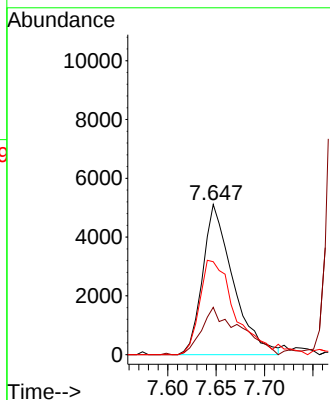
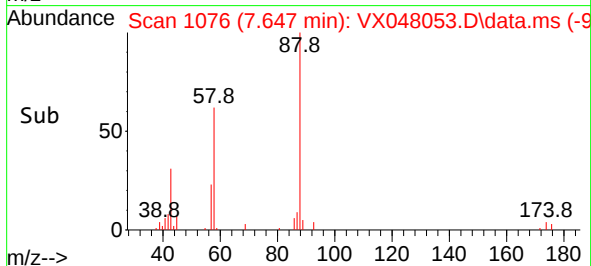
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 88 Resp: 11180
Ion Ratio Lower Upper
88 100
43 25.4 20.3 30.5
58 71.7 57.4 86.0

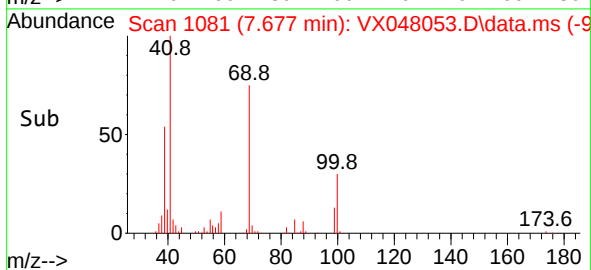
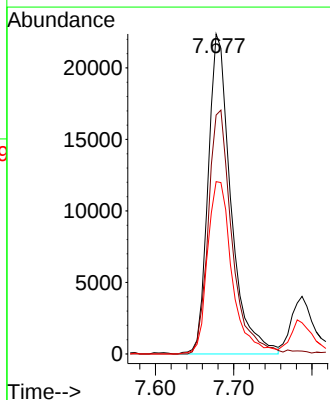
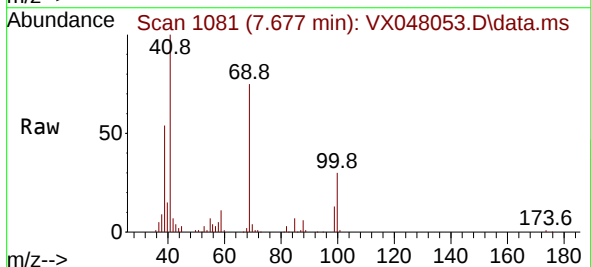
Manual Integrations
APPROVED

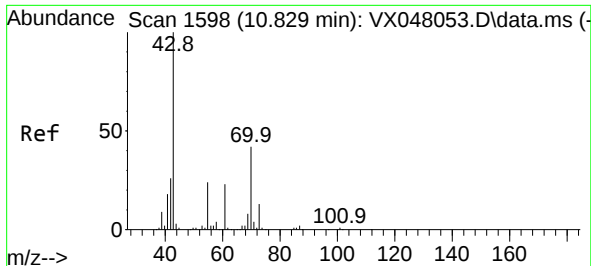
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#46
Methyl methacrylate
Concen: 21.277 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

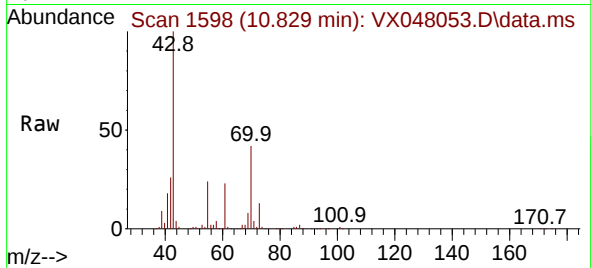
Tgt Ion: 41 Resp: 45337
Ion Ratio Lower Upper
41 100
69 74.7 37.4 112.1
39 53.9 27.0 80.8





#47
n-amy1 Acetate
Concen: 21.174 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

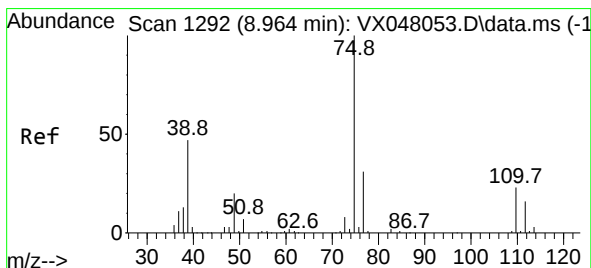
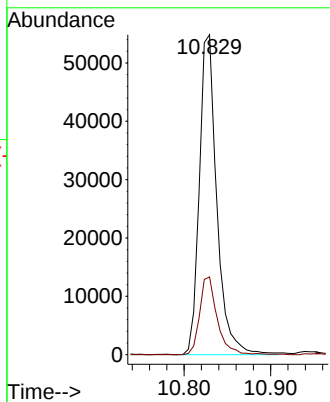
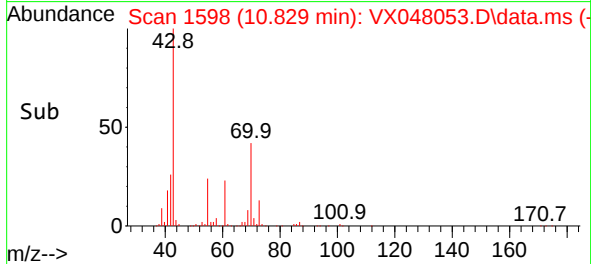
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 7695
Ion Ratio Lower Upper
43 100
55 24.2 19.4 29.0

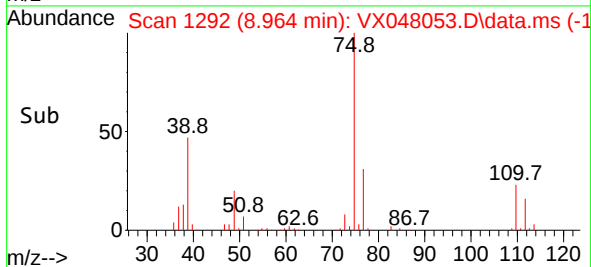
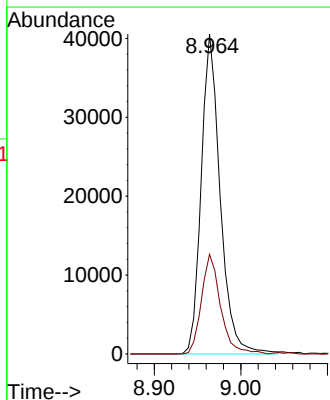
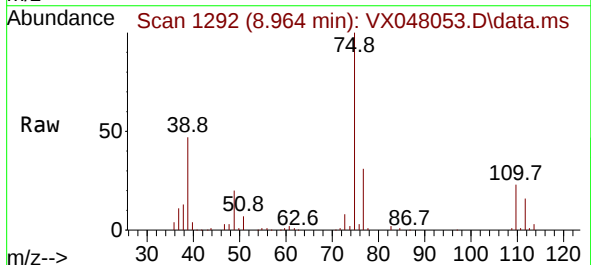
Manual Integrations
APPROVED

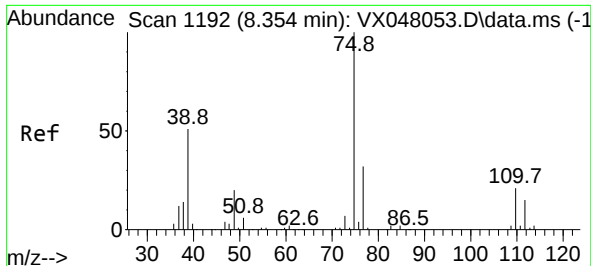
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#48
t-1,3-Dichloropropene
Concen: 22.553 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 75 Resp: 61692
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5





#49

cis-1,3-Dichloropropene

Concen: 22.397 ug/l

RT: 8.354 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 67709

Ion Ratio Lower Upper

75 100

77 33.6 26.9 40.3

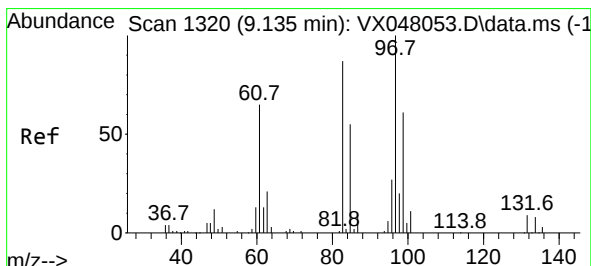
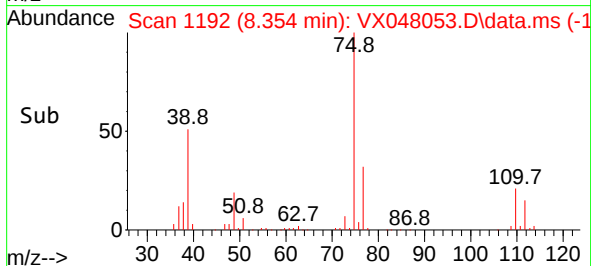
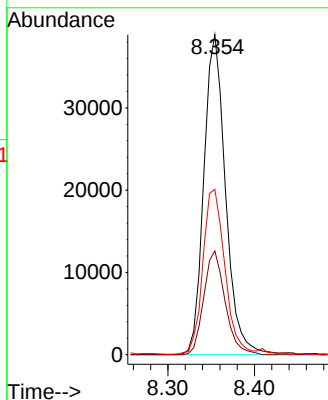
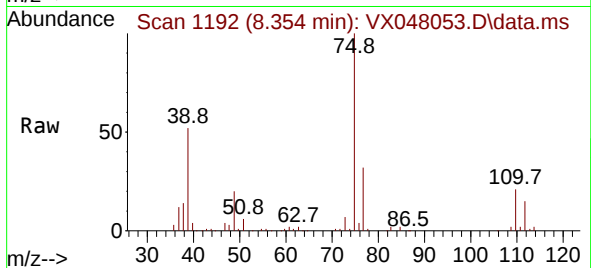
39 51.5 41.2 61.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#50

1,1,2-Trichloroethane

Concen: 22.308 ug/l

RT: 9.135 min Scan# 1320

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion: 97 Resp: 41199

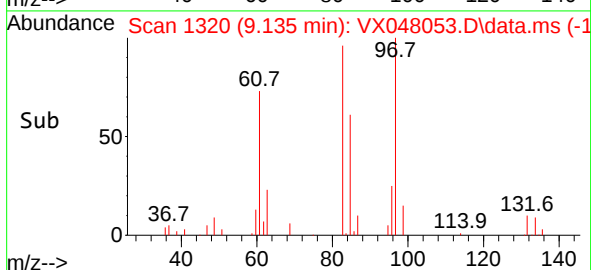
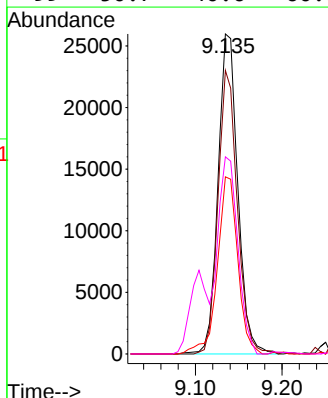
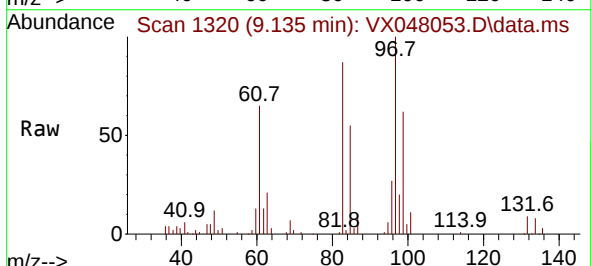
Ion Ratio Lower Upper

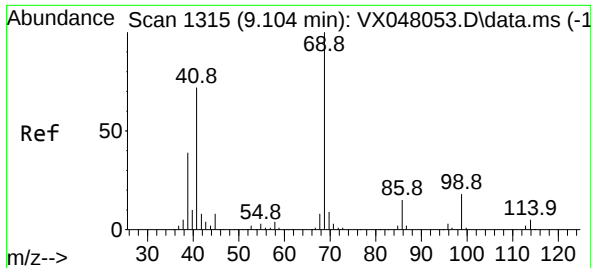
97 100

83 73.6 58.9 88.3

85 46.0 36.8 55.2

99 50.7 40.6 60.8





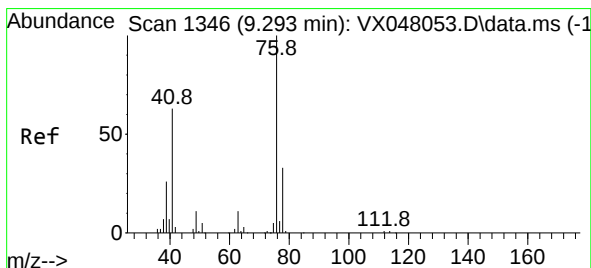
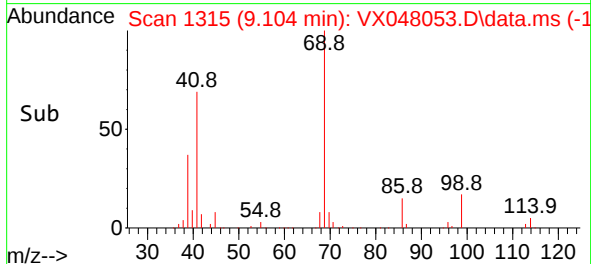
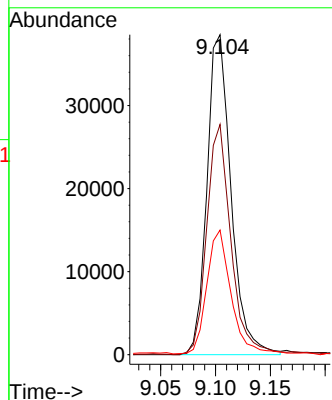
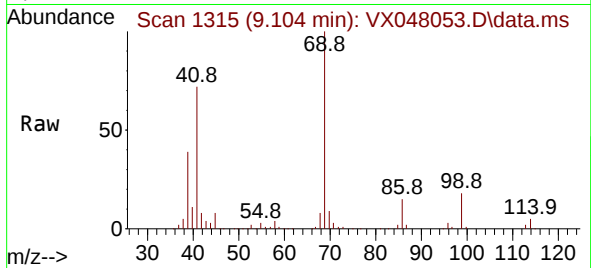
#51
Ethyl methacrylate
Concen: 21.138 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 5901
Ion Ratio Lower Upper
69 100
41 71.9 35.9 107.8
39 38.6 19.3 57.9

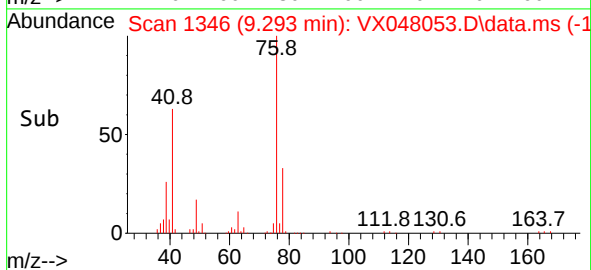
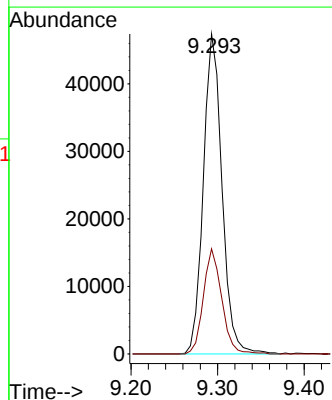
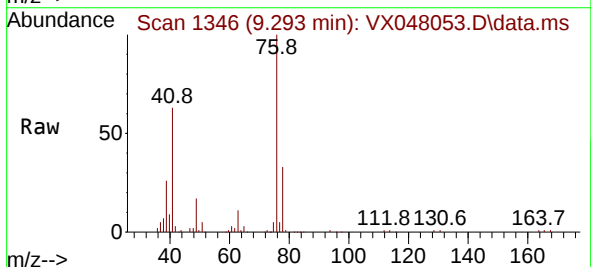
Manual Integrations
APPROVED

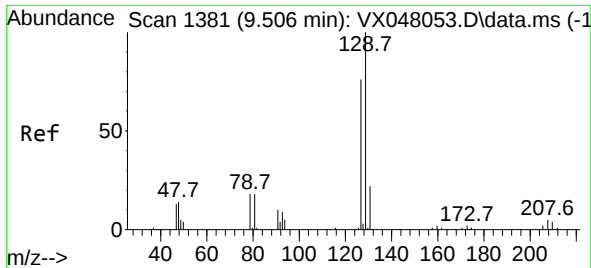
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#52
1,3-Dichloropropane
Concen: 22.213 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 76 Resp: 71049
Ion Ratio Lower Upper
76 100
78 32.1 0.0 64.2





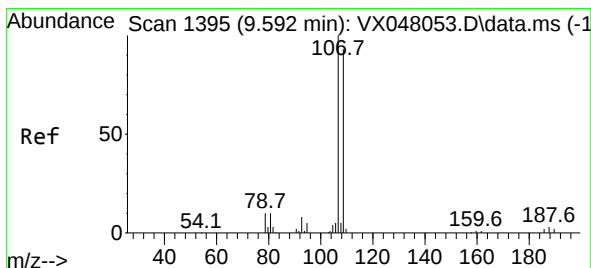
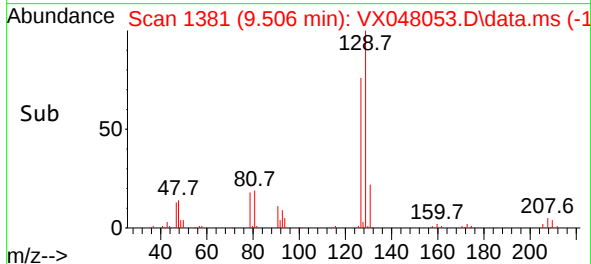
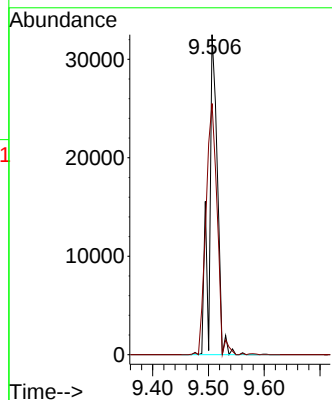
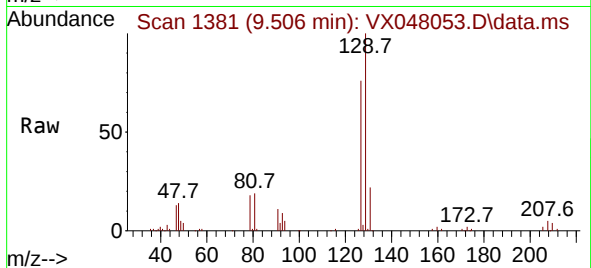
#53
Dibromochloromethane
Concen: 16.294 ug/l m
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 3308
Ion Ratio Lower Upper
129 100
127 103.7 0.1 0.5

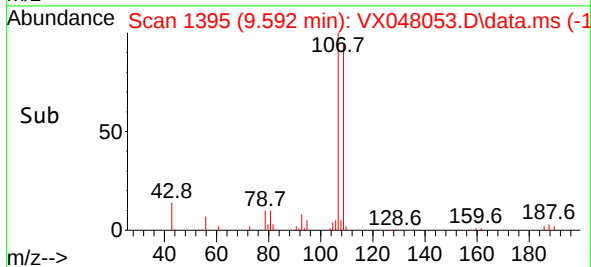
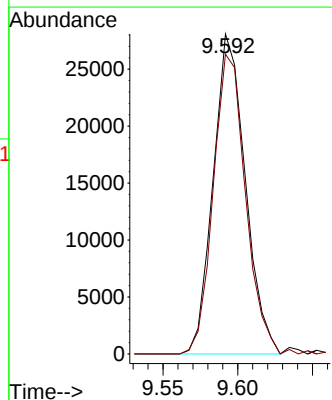
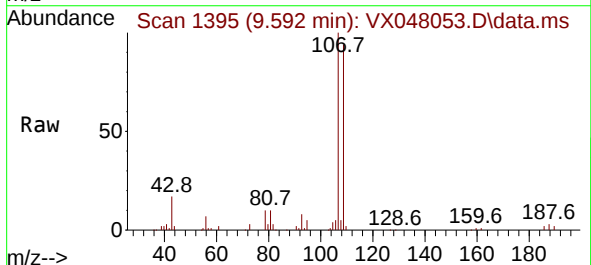
Manual Integrations
APPROVED

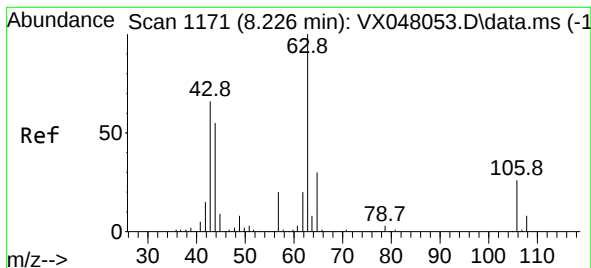
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#54
1,2-Dibromoethane
Concen: 21.614 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

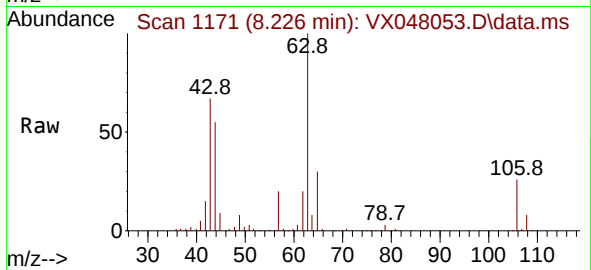
Tgt Ion:107 Resp: 41877
Ion Ratio Lower Upper
107 100
109 94.0 75.2 112.8





#55
2-Chloroethyl vinyl ether
Concen: 108.003 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

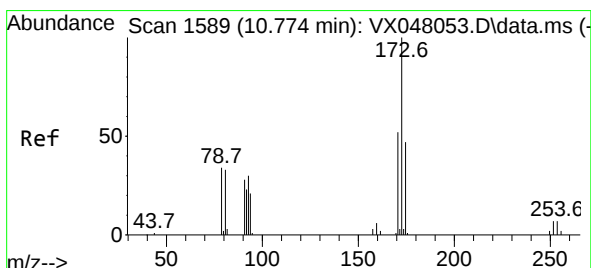
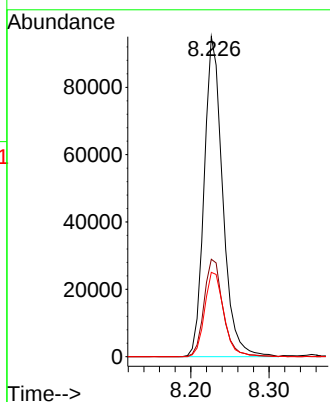
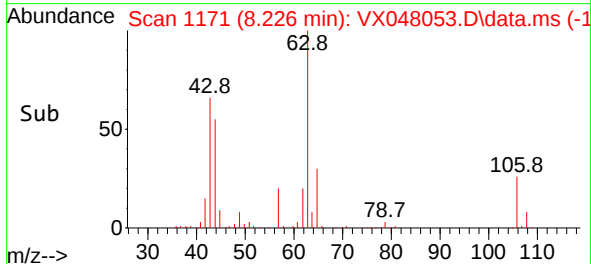
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 155938
Ion Ratio Lower Upper
63 100
65 31.2 25.0 37.4
106 27.4 21.9 32.9

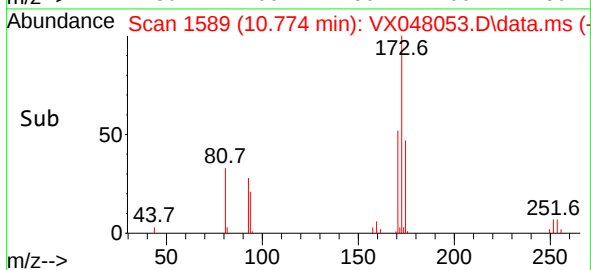
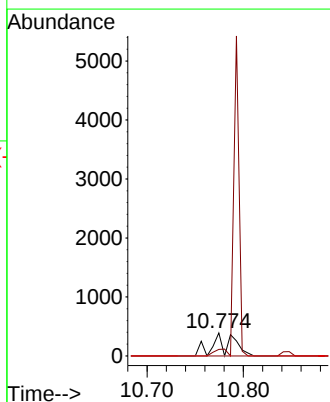
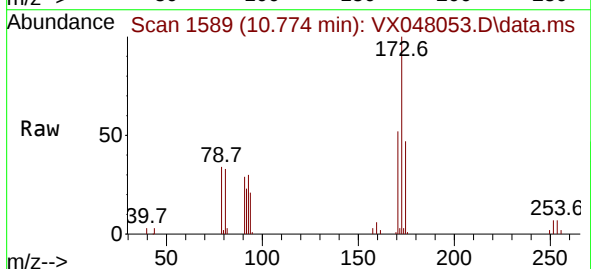
Manual Integrations
APPROVED

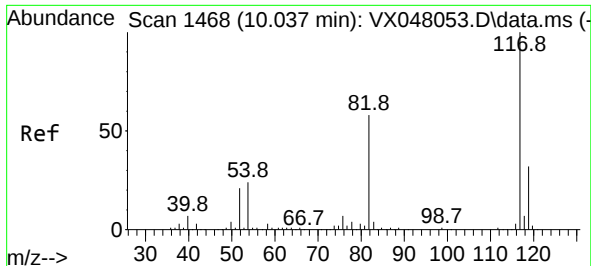
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#56
Bromoform
Concen: 0.541 ug/l m
RT: 10.774 min Scan# 1589
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

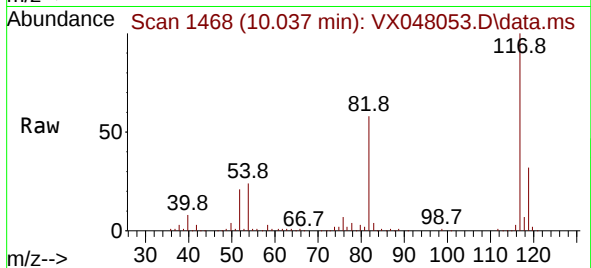
Tgt Ion:173 Resp: 573
Ion Ratio Lower Upper
173 100
175 18.5 281.0 421.6#
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

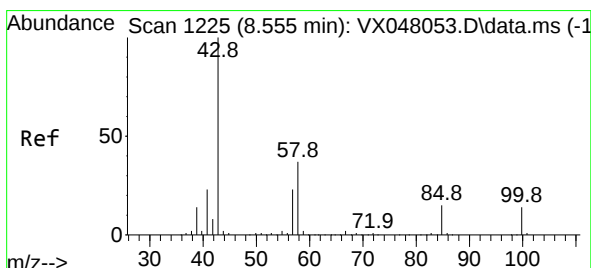
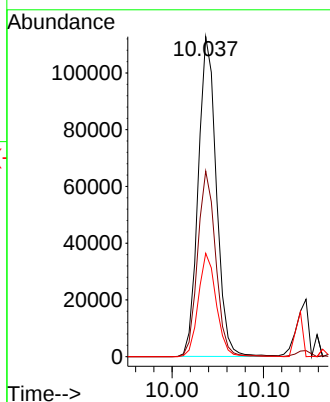
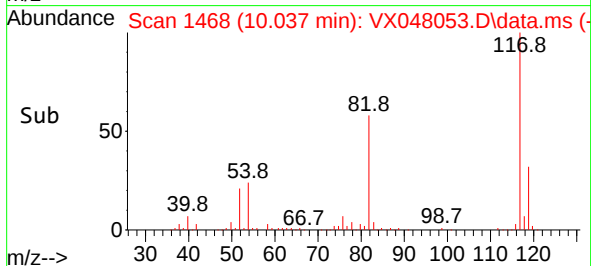
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 155085
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 32.0 25.6 38.4

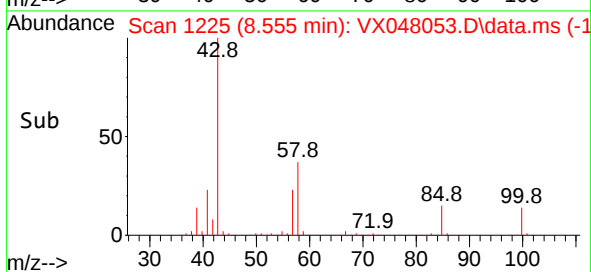
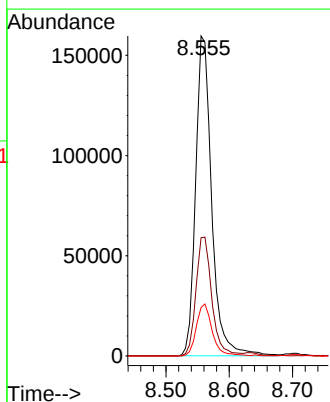
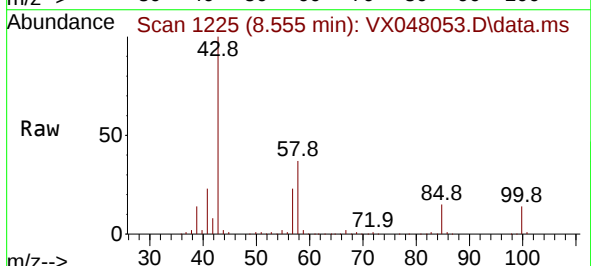
Manual Integrations
APPROVED

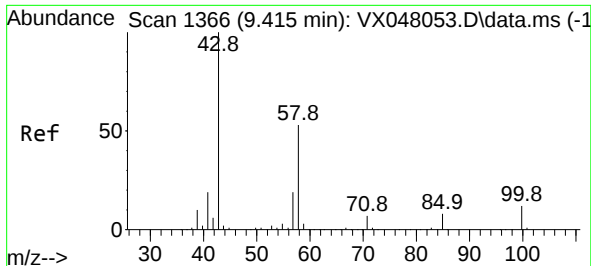
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#58
4-Methyl-2-Pentanone
Concen: 110.969 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion: 43 Resp: 282895
Ion Ratio Lower Upper
43 100
58 36.9 29.5 44.3
85 16.0 12.8 19.2





#59

2-Hexanone

Concen: 107.980 ug/l

RT: 9.415 min Scan# 1366

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

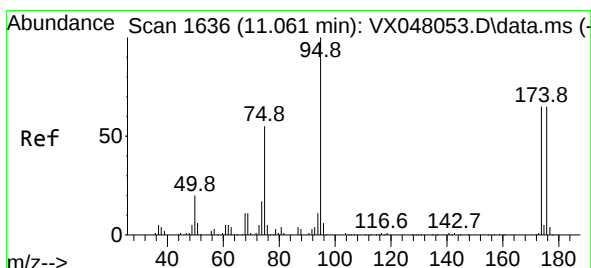
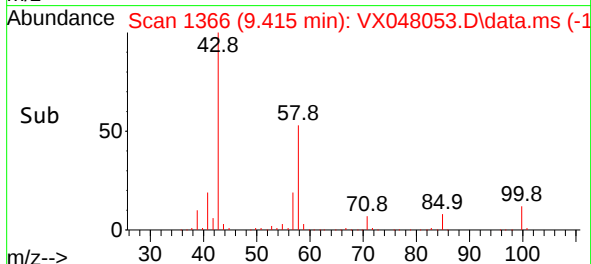
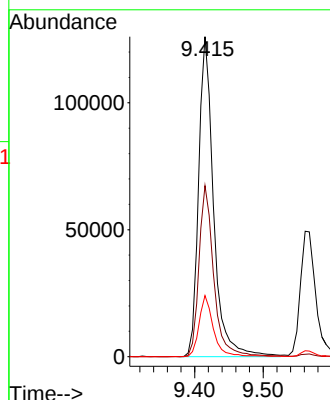
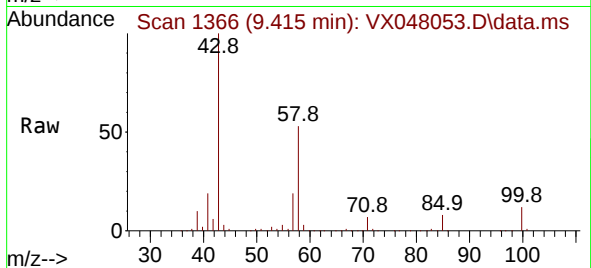
Tgt Ion: 43 Resp: 192549
 Ion Ratio Lower Upper
 43 100
 58 52.7 42.2 63.2
 57 17.8 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#60

4-Bromofluorobenzene

Concen: 29.747 ug/l

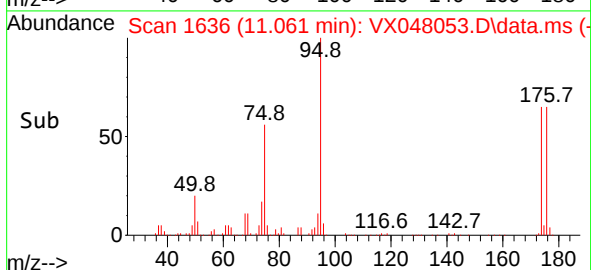
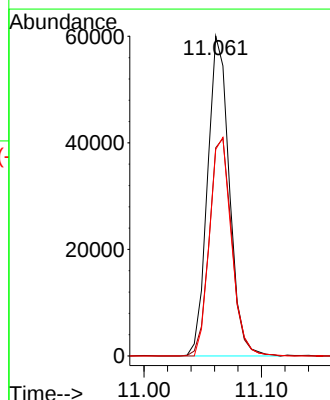
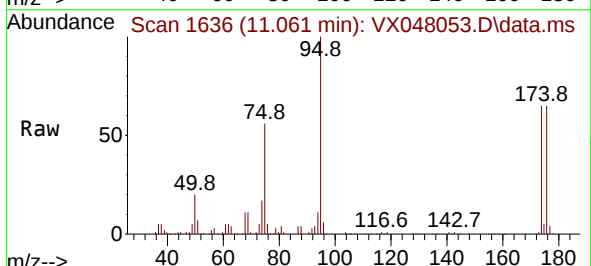
RT: 11.061 min Scan# 1636

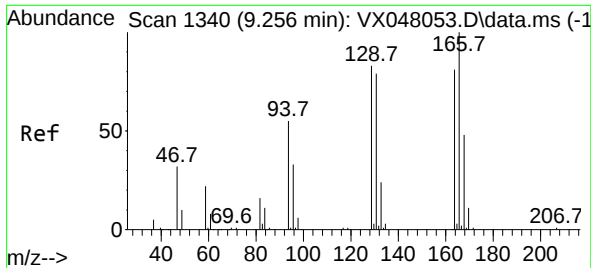
Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

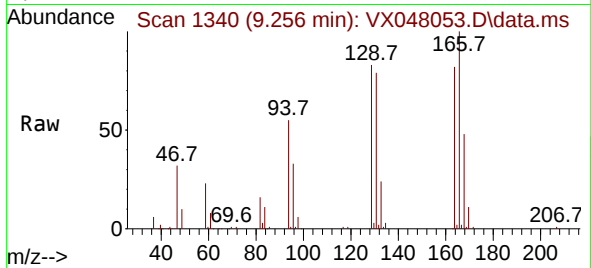
Tgt Ion: 95 Resp: 77587
 Ion Ratio Lower Upper
 95 100
 174 69.8 55.8 83.8
 176 68.7 55.0 82.4





#61
Tetrachloroethene
Concen: 20.059 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

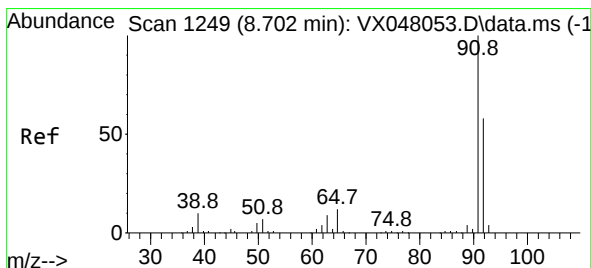
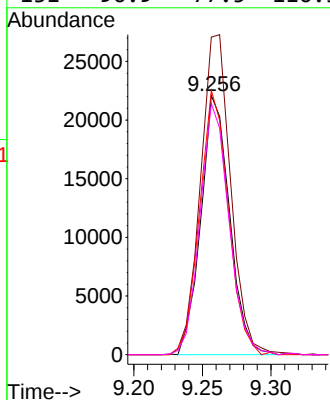
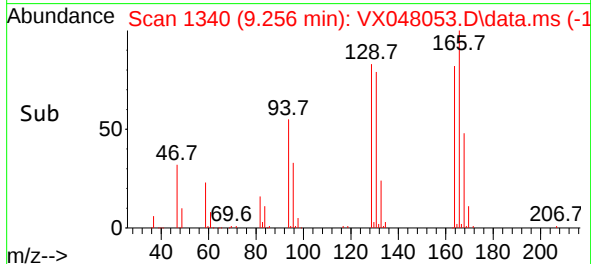
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:164 Resp: 32160
Ion Ratio Lower Upper
164 100
166 121.6 97.3 145.9
129 102.0 81.6 122.4
131 96.9 77.5 116.3

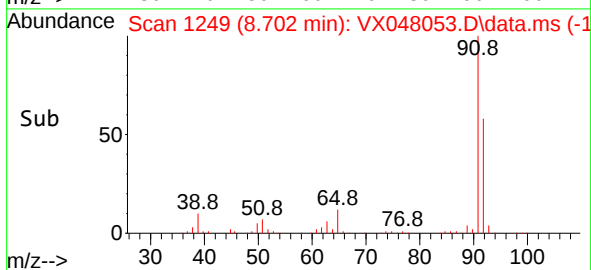
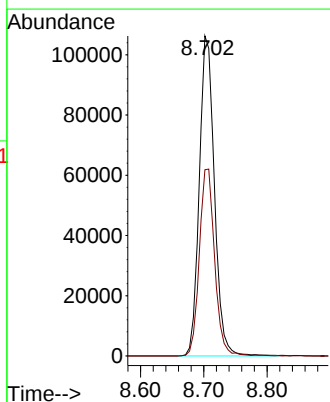
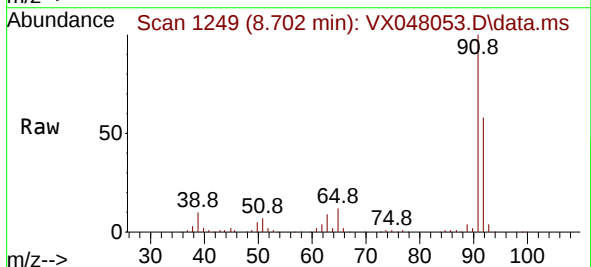
Manual Integrations
APPROVED

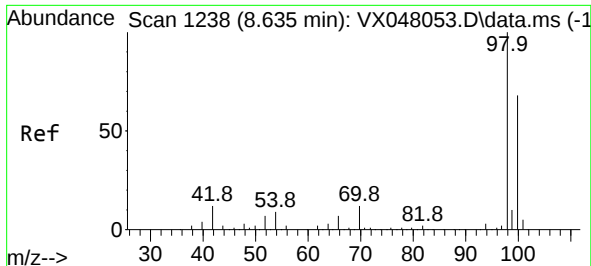
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#62
Toluene
Concen: 21.178 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

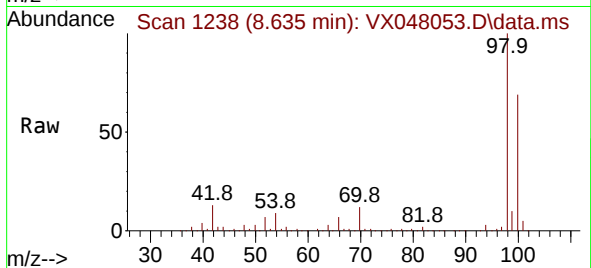
Tgt Ion: 91 Resp: 177232
Ion Ratio Lower Upper
91 100
92 58.9 47.1 70.7





#63
Toluene-d8
Concen: 30.182 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

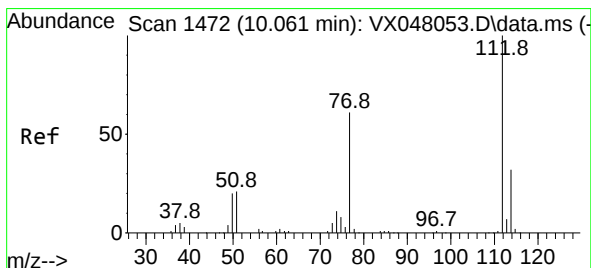
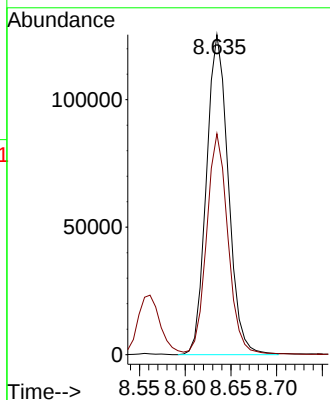
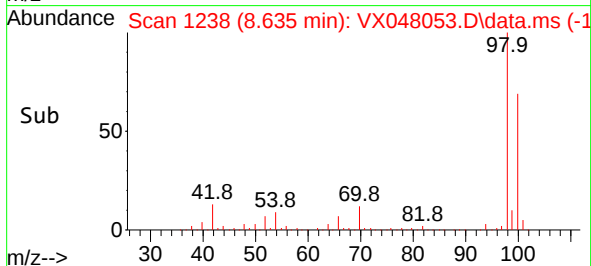
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



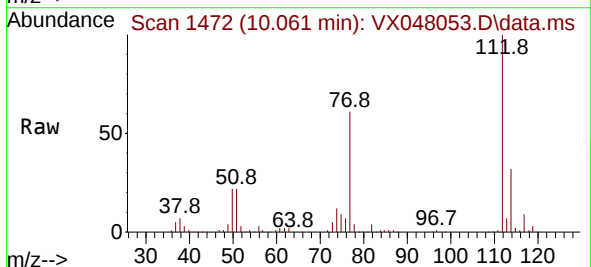
Tgt Ion: 98 Resp: 208838
Ion Ratio Lower Upper
98 100
100 67.6 54.1 81.1

Manual Integrations
APPROVED

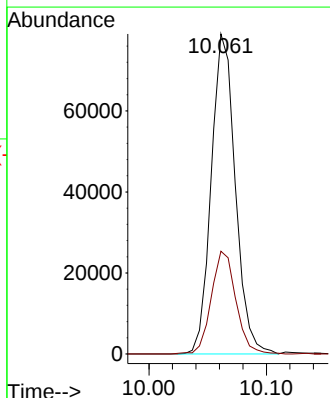
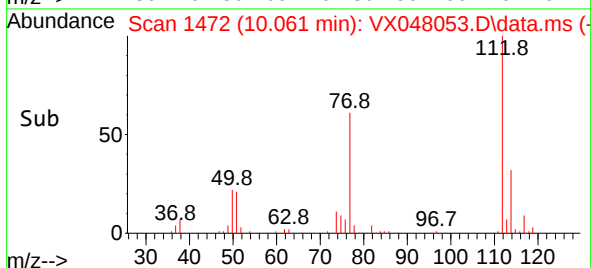
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

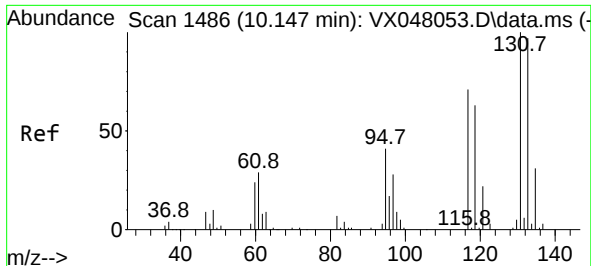


#64
Chlorobenzene
Concen: 20.772 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22



Tgt Ion:112 Resp: 112344
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.595 ug/l

RT: 10.147 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

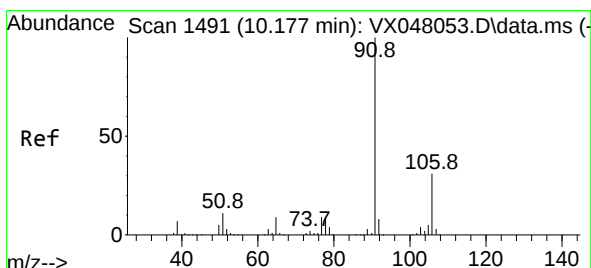
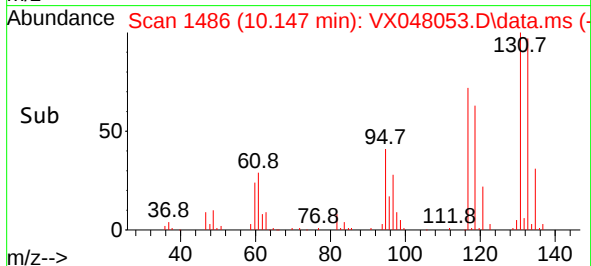
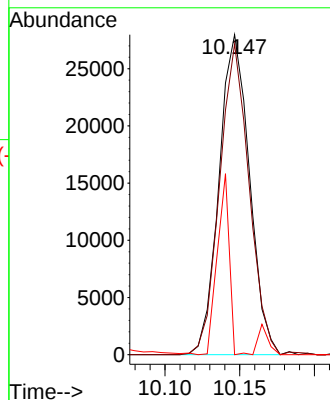
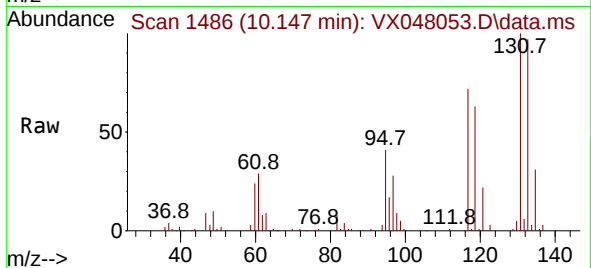
Tgt Ion:	131	Resp:	3949
Ion Ratio	Lower	Upper	
131	100		
133	94.0	0.0	188.0
119	22.2	0.0	44.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#66

Ethyl Benzene

Concen: 19.943 ug/l

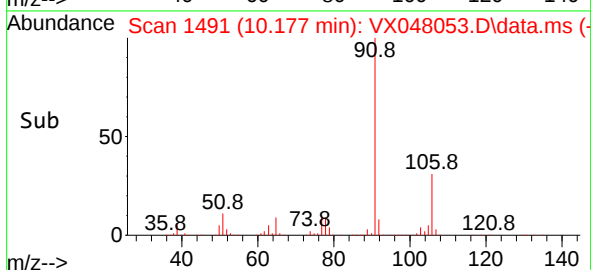
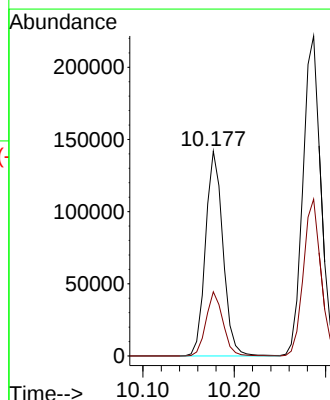
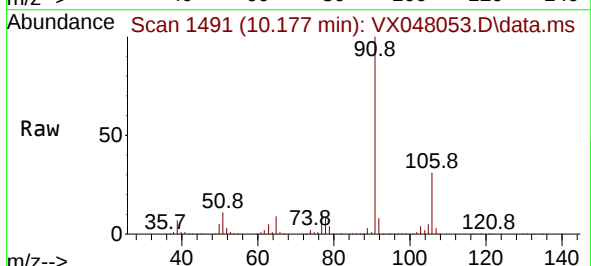
RT: 10.177 min Scan# 1491

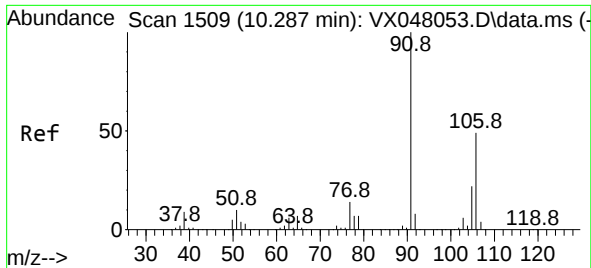
Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion:	91	Resp:	188474
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.0	37.6





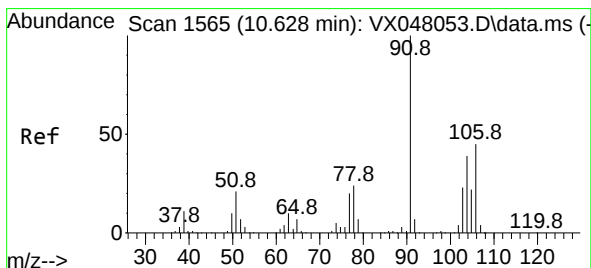
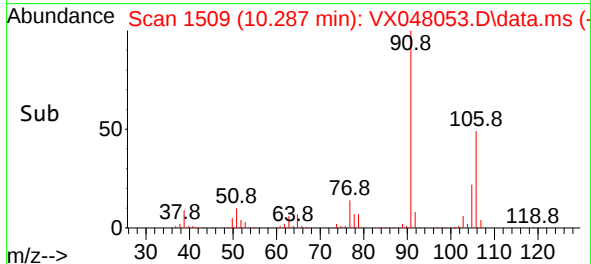
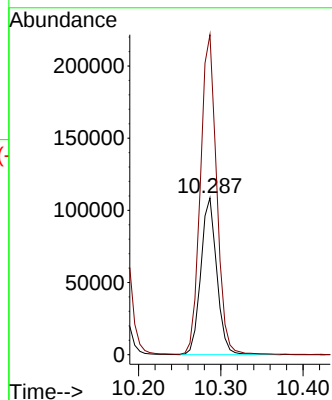
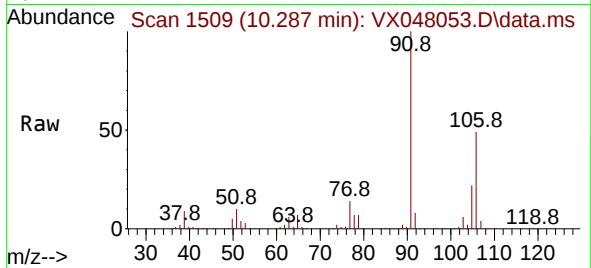
#67
m/p-Xylenes
Concen: 41.542 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 14634
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.6

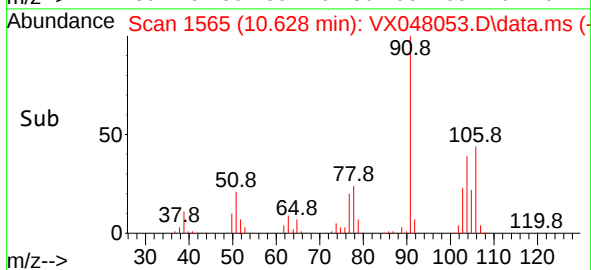
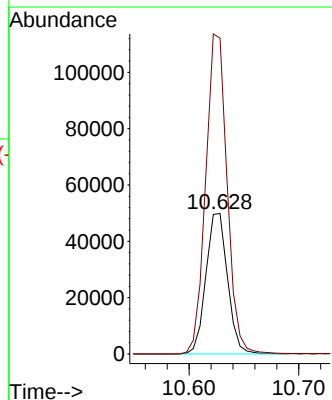
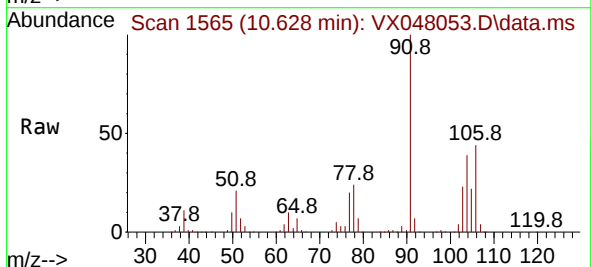
Manual Integrations
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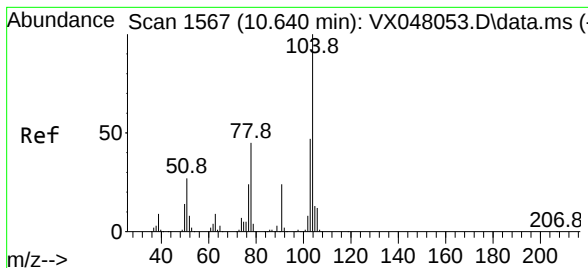
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#68
o-Xylene
Concen: 20.294 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion:106 Resp: 68521
Ion Ratio Lower Upper
106 100
91 225.1 112.6 337.6





#69

Styrene

Concen: 21.193 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:104 Resp: 123480

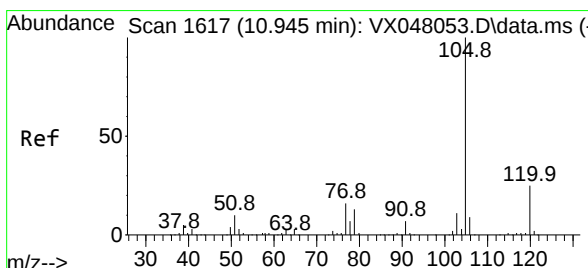
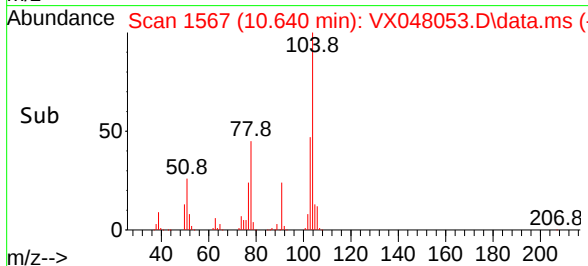
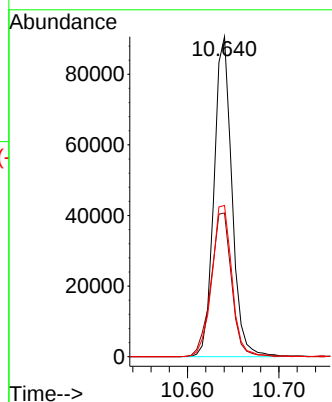
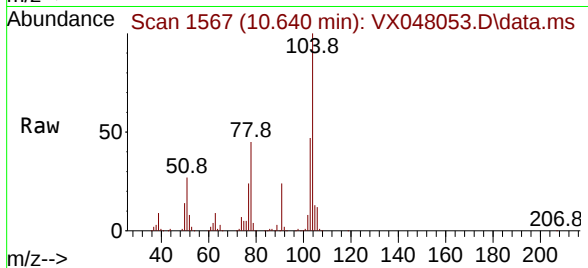
Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.4	62.0
103	53.0	42.4	63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#70

Isopropylbenzene

Concen: 19.634 ug/l

RT: 10.945 min Scan# 1617

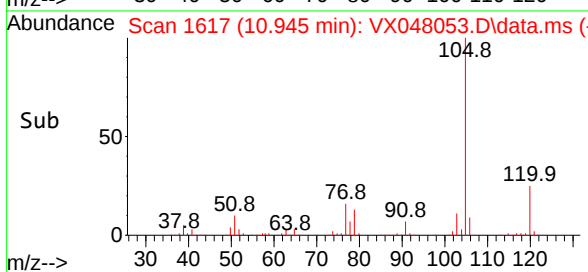
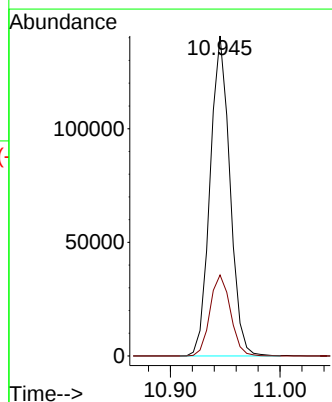
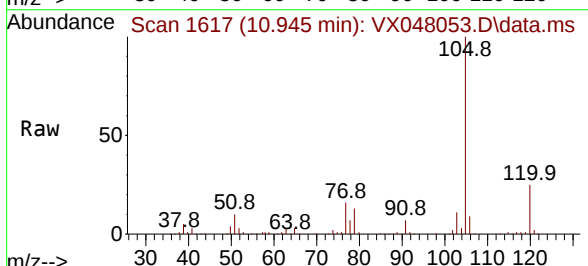
Delta R.T. 0.000 min

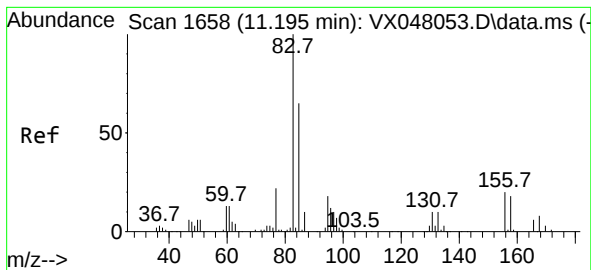
Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion:105 Resp: 176649

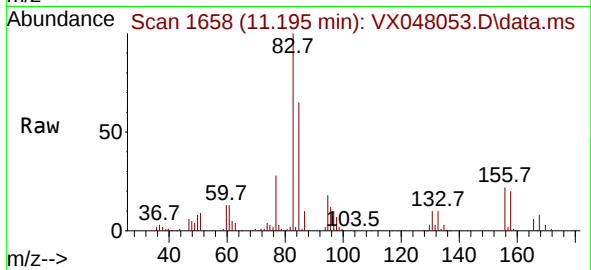
Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.3	33.9





#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.588 ug/l
 RT: 11.195 min Scan# 1658
 Delta R.T. 0.000 min
 Lab File: VX048053.D
 Acq: 07 Oct 2025 17:22

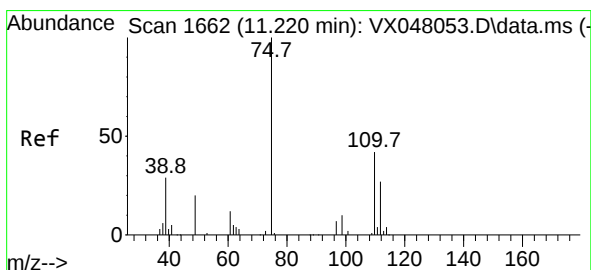
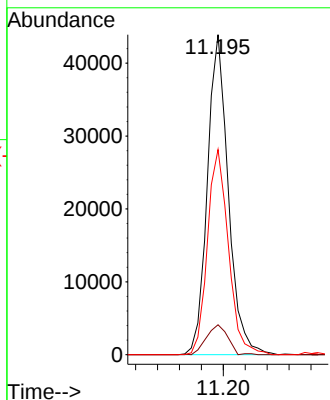
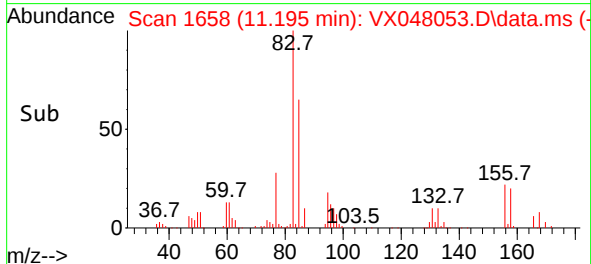
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 83 Resp: 5810
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.1
 85 64.1 32.0 96.2

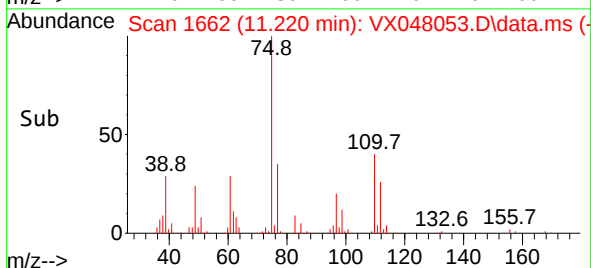
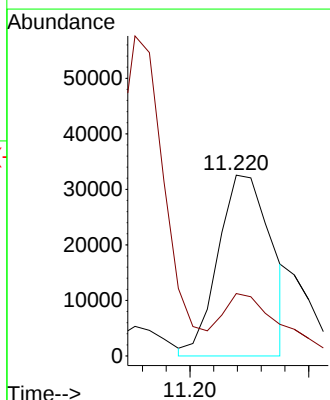
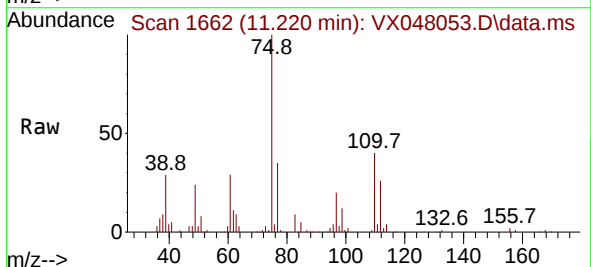
Manual Integrations
 APPROVED

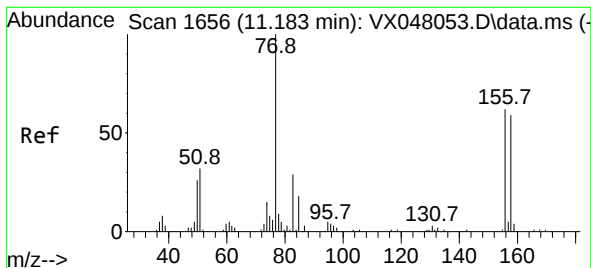
Reviewed By :John Carlone 10/08/2025
 Supervised By :Mahesh Dadoda 10/09/2025



#72
 1,2,3-Trichloropropane
 Concen: 22.208 ug/l m
 RT: 11.220 min Scan# 1662
 Delta R.T. 0.000 min
 Lab File: VX048053.D
 Acq: 07 Oct 2025 17:22

Tgt Ion: 75 Resp: 50460
 Ion Ratio Lower Upper
 75 100
 77 38.2 0.0 76.4





#73

Bromobenzene

Concen: 20.404 ug/l

RT: 11.183 min Scan# 1656

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

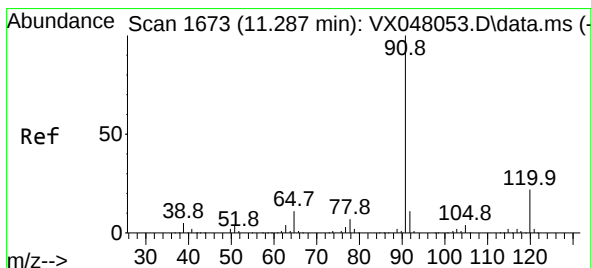
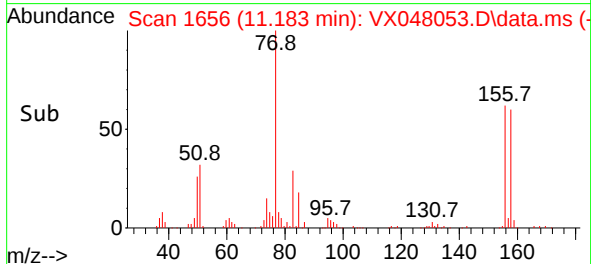
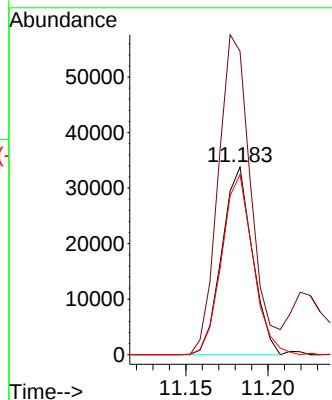
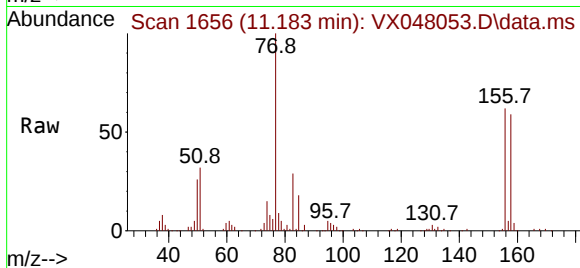
Tgt Ion:156 Resp: 4357
 Ion Ratio Lower Upper
 156 100
 77 183.1 0.0 366.2
 158 98.4 0.0 196.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#74

n-propylbenzene

Concen: 19.706 ug/l

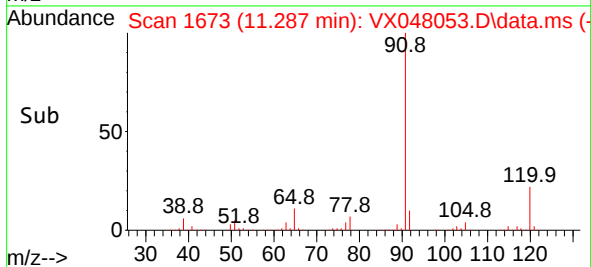
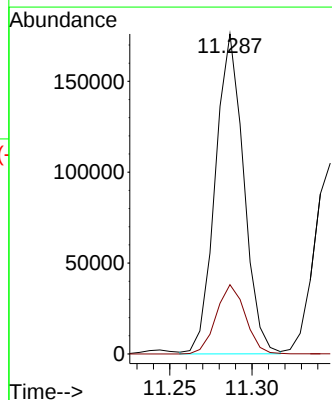
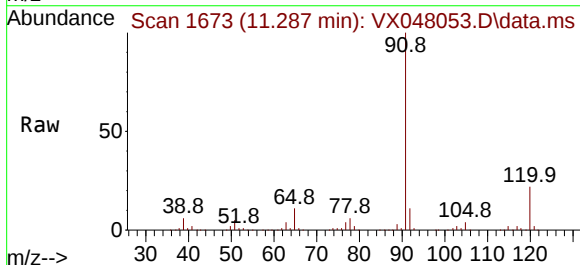
RT: 11.287 min Scan# 1673

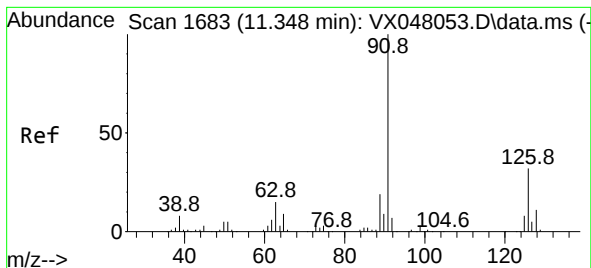
Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion: 91 Resp: 211688
 Ion Ratio Lower Upper
 91 100
 120 22.1 0.0 44.2





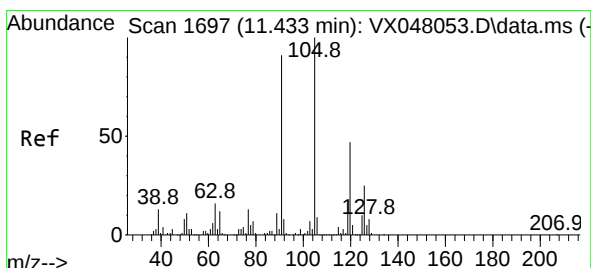
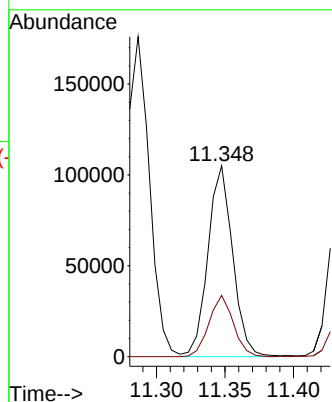
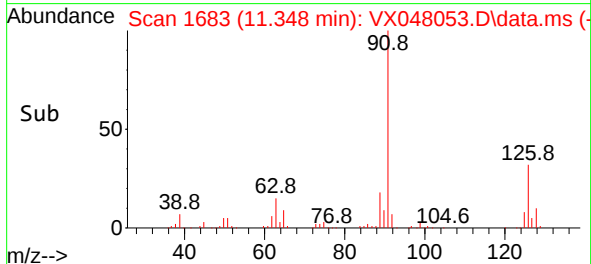
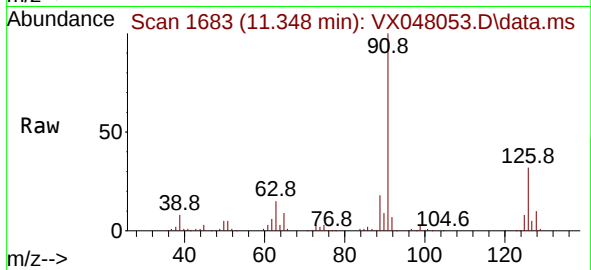
#75
2-Chlorotoluene
Concen: 20.381 ug/l
RT: 11.348 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 13200
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.2

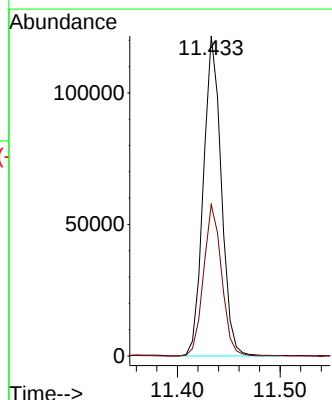
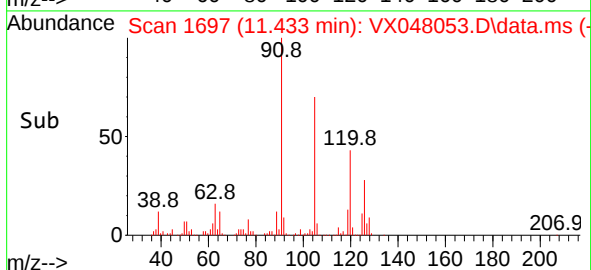
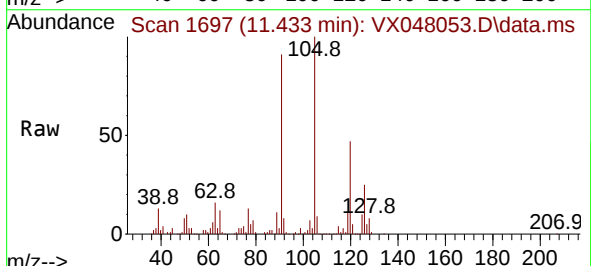
Manual Integrations
APPROVED

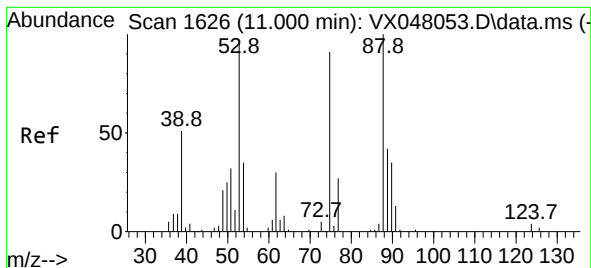
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.753 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

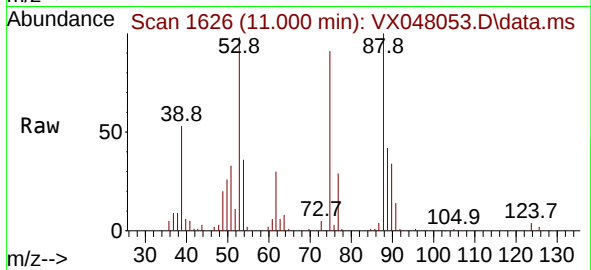
Tgt Ion:105 Resp: 147370
Ion Ratio Lower Upper
105 100
120 47.7 0.0 95.4





#77
t-1,4-Dichloro-2-butene
Concen: 21.147 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

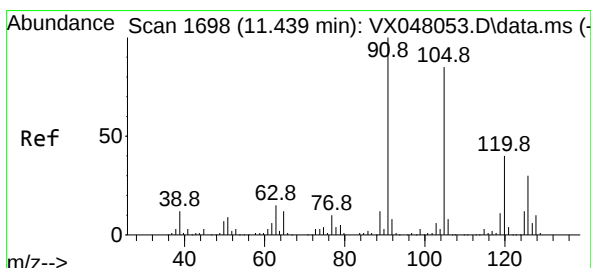
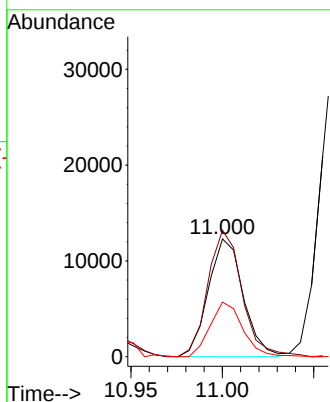
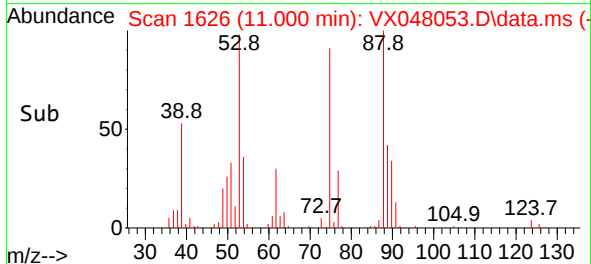
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 75 Resp: 16350
Ion Ratio Lower Upper
75 100
53 107.4 53.7 161.1
89 46.3 23.2 69.5

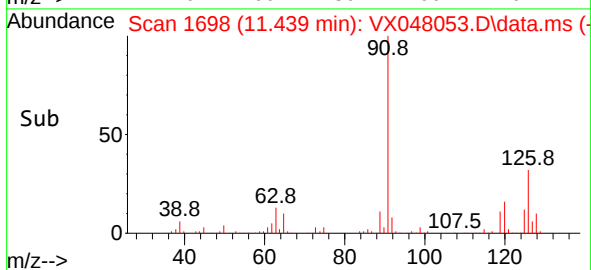
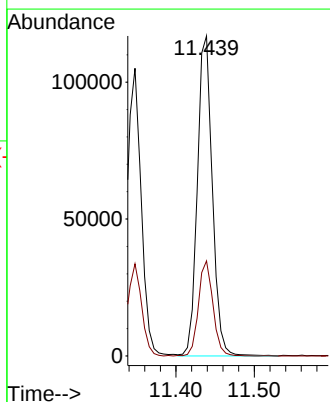
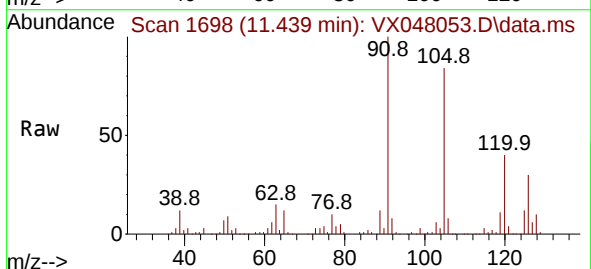
Manual Integrations
APPROVED

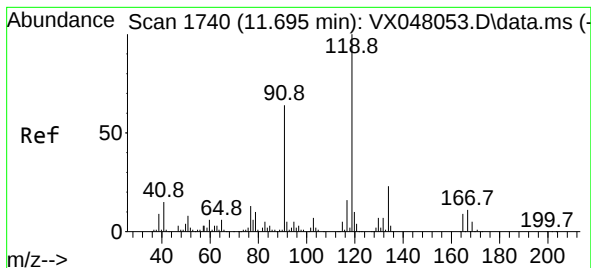
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#78
4-Chlorotoluene
Concen: 20.713 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

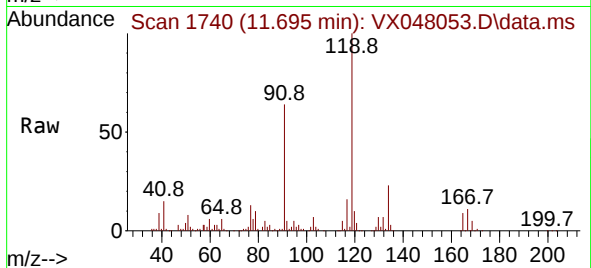
Tgt Ion: 91 Resp: 155329
Ion Ratio Lower Upper
91 100
126 28.6 0.0 57.2





#79
tert-butylbenzene
Concen: 18.890 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

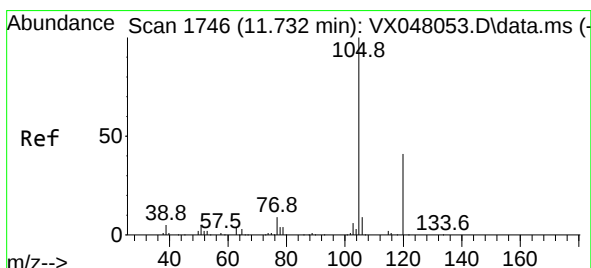
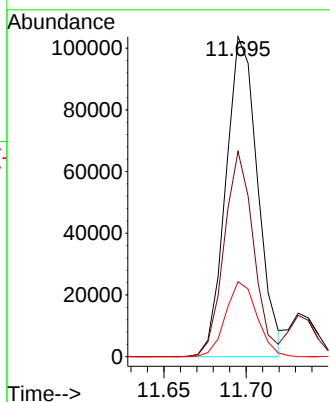
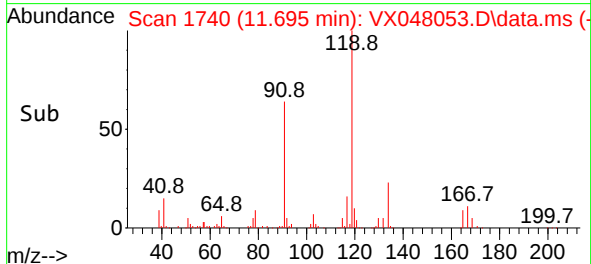
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



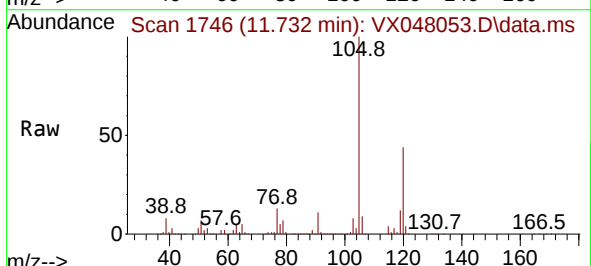
Tgt Ion:119 Resp: 139219
Ion Ratio Lower Upper
119 100
91 59.5 0.0 119.0
134 23.2 0.0 46.4

Manual Integrations
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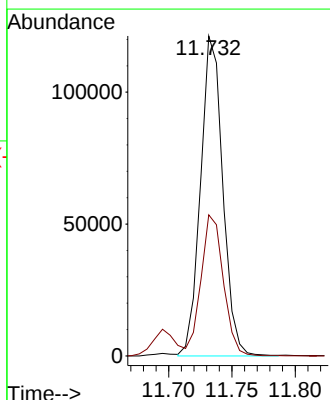
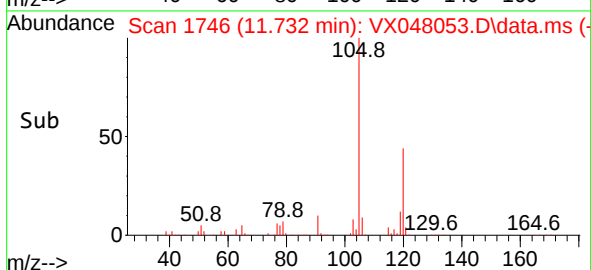
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

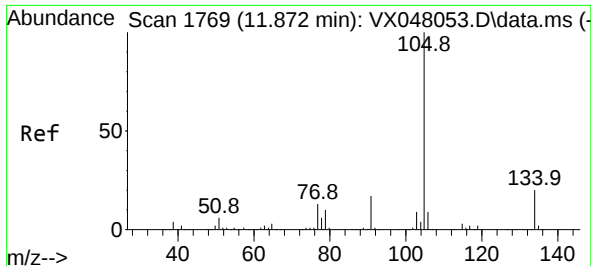


#80
1,2,4-Trimethylbenzene
Concen: 20.097 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22



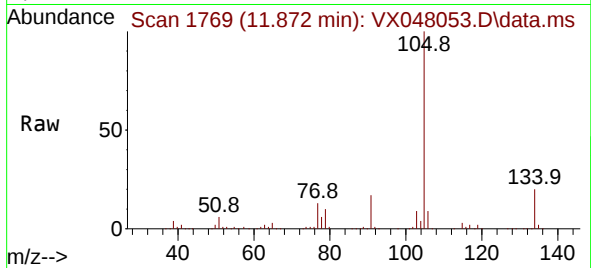
Tgt Ion:105 Resp: 148602
Ion Ratio Lower Upper
105 100
120 44.3 0.0 88.6





#81
 sec-Butylbenzene
 Concen: 18.629 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: VX048053.D
 Acq: 07 Oct 2025 17:22

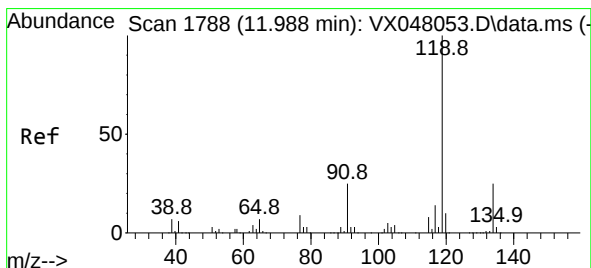
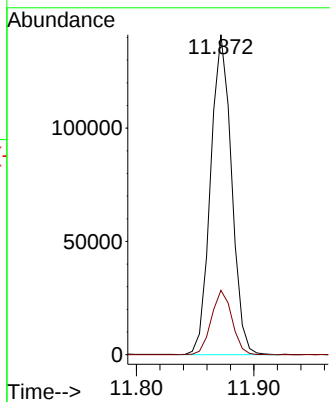
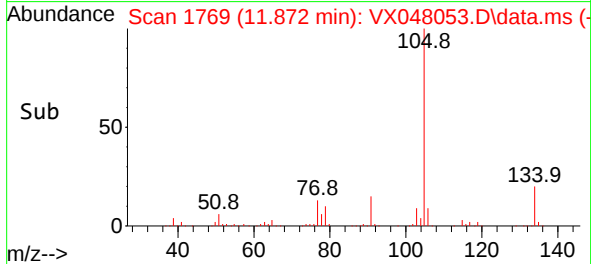
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020



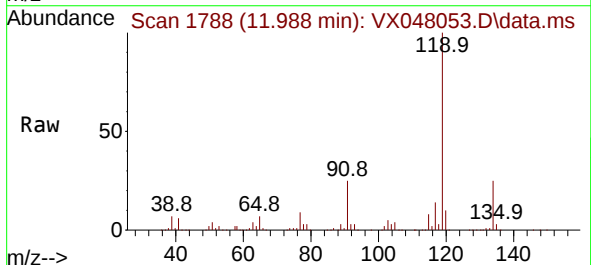
Tgt Ion:105 Resp: 17506
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

Manual Integrations
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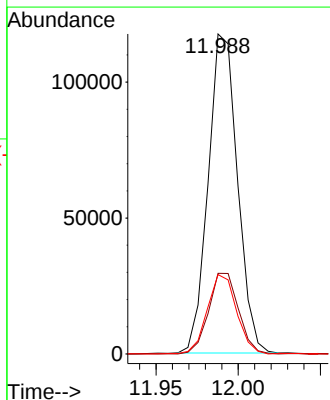
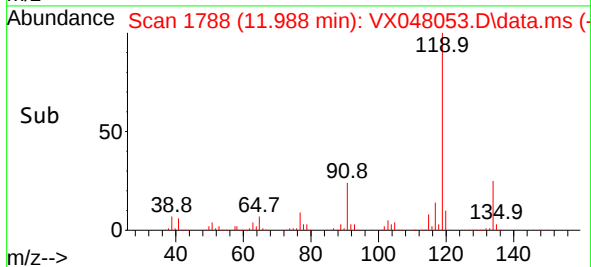
Reviewed By :John Carlone 10/08/2025
 Supervised By :Mahesh Dadoda 10/09/2025

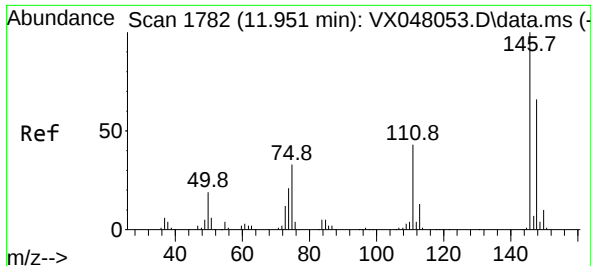


#82
 p-Isopropyltoluene
 Concen: 18.852 ug/l
 RT: 11.988 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: VX048053.D
 Acq: 07 Oct 2025 17:22



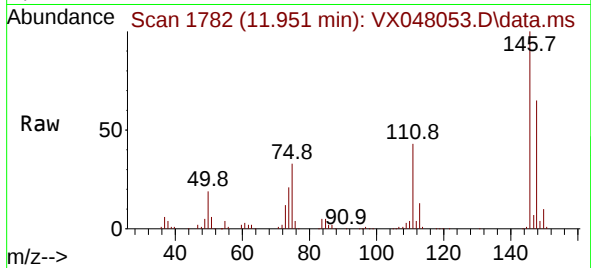
Tgt Ion:119 Resp: 145556
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.6
 91 24.9 0.0 49.8





#83
1,3-Dichlorobenzene
Concen: 20.470 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

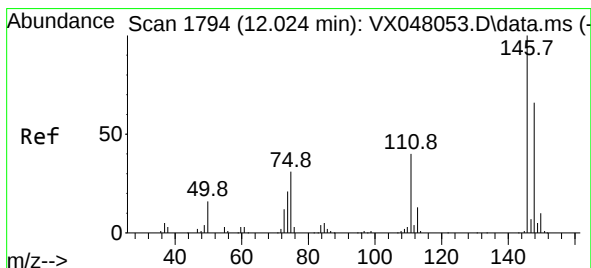
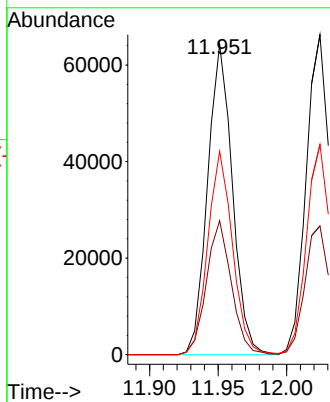
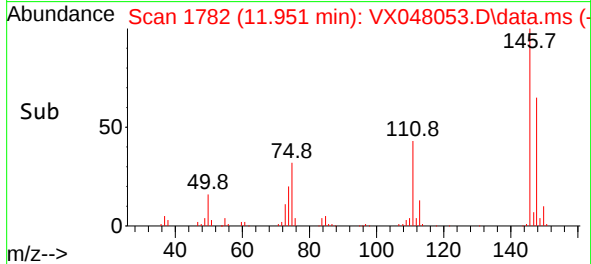
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



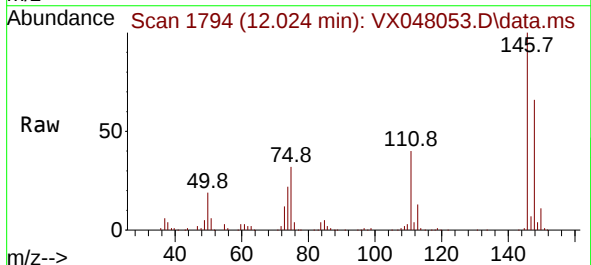
Tgt Ion:146 Resp: 8105
Ion Ratio Lower Upper
146 100
111 43.2 21.6 64.8
148 65.4 32.7 98.1

Manual Integrations
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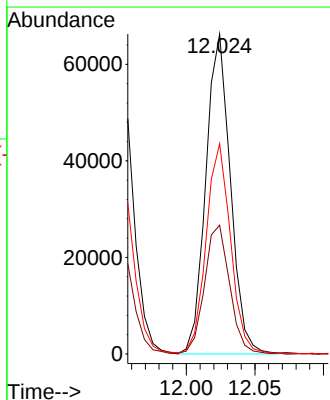
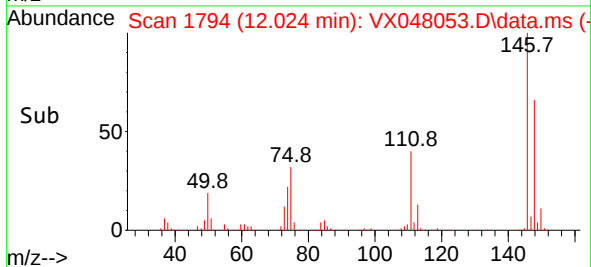
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

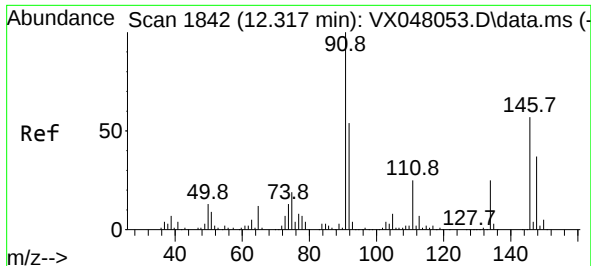


#84
1,4-Dichlorobenzene
Concen: 20.747 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22



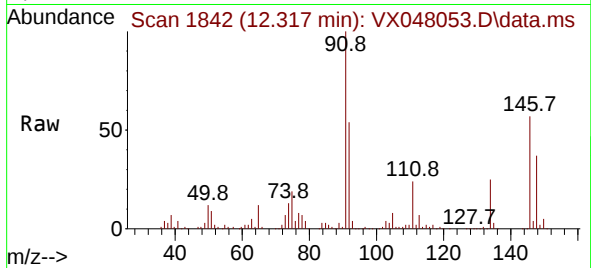
Tgt Ion:146 Resp: 82713
Ion Ratio Lower Upper
146 100
111 41.2 20.6 61.8
148 65.3 32.6 98.0





#85
n-Butylbenzene
Concen: 18.156 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

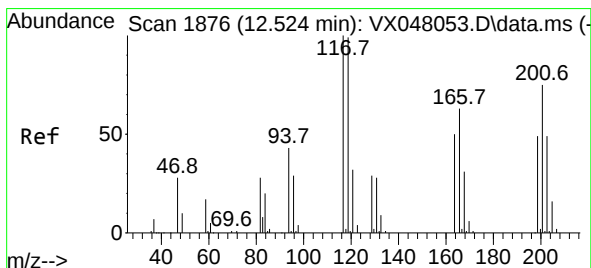
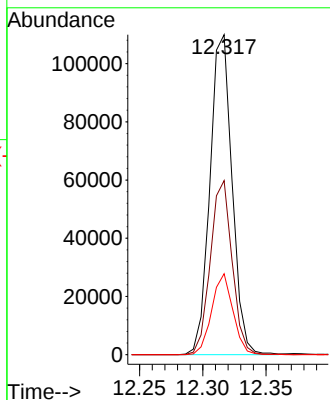
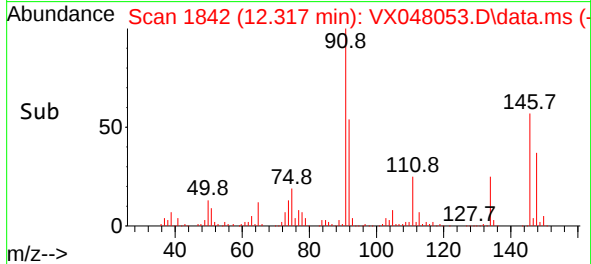
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 91 Resp: 13382
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.8
134 24.2 0.0 48.4

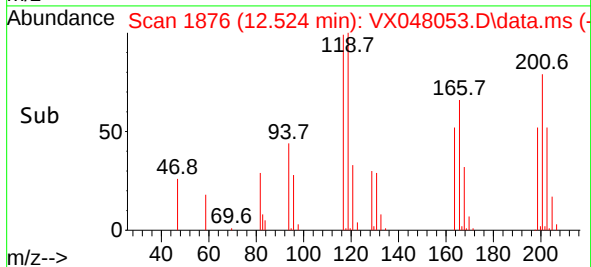
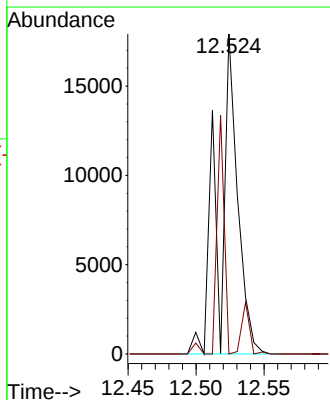
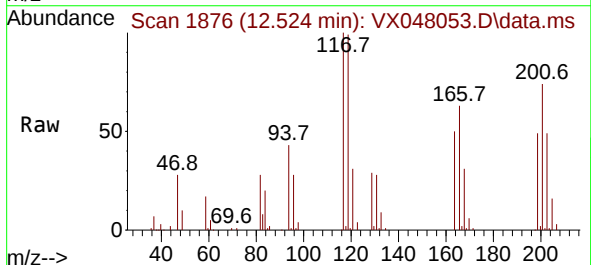
Manual Integrations
APPROVED

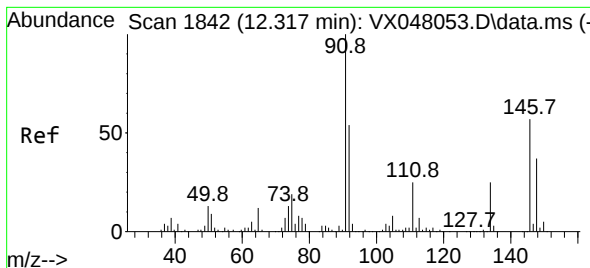
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#86
Hexachloroethane
Concen: 13.202 ug/l m
RT: 12.524 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion:117 Resp: 16705
Ion Ratio Lower Upper
117 100
201 29.3 14.6 44.0





#87

1,2-Dichlorobenzene

Concen: 20.695 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:146 Resp: 78904

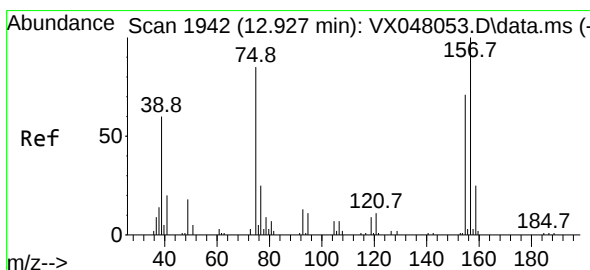
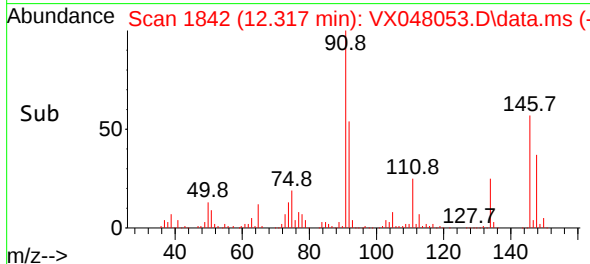
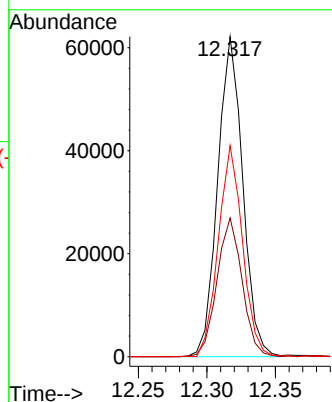
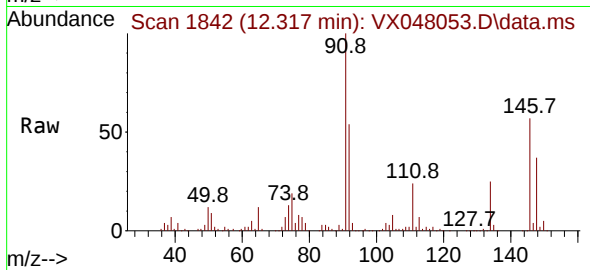
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	63.9	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/08/2025

Supervised By :Mahesh Dadoda 10/09/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.496 ug/l

RT: 12.927 min Scan# 1942

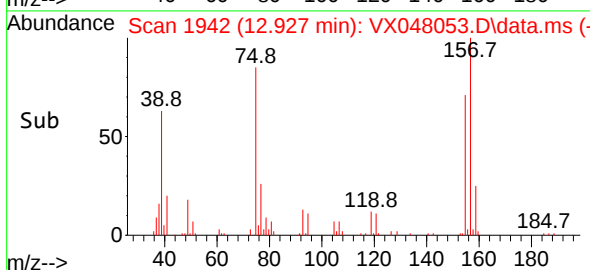
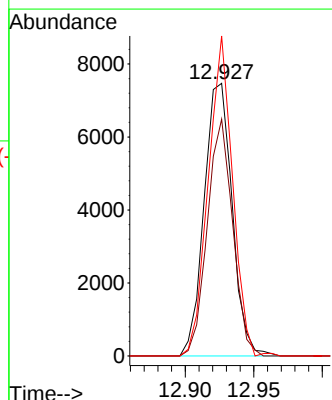
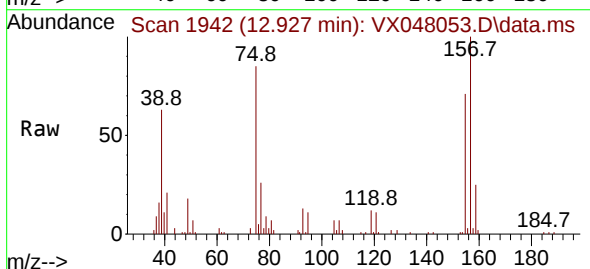
Delta R.T. 0.000 min

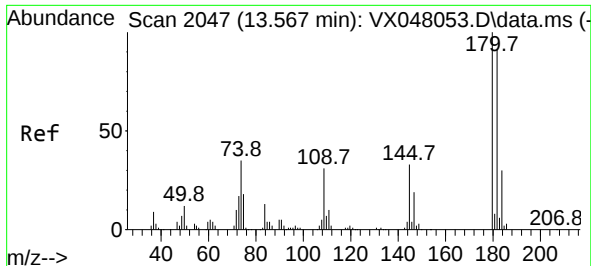
Lab File: VX048053.D

Acq: 07 Oct 2025 17:22

Tgt Ion: 75 Resp: 10652

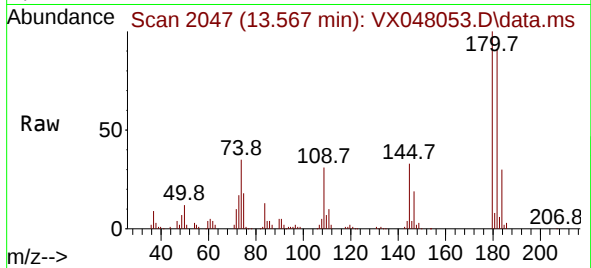
Ion	Ratio	Lower	Upper
75	100		
155	78.5	62.8	94.2
157	101.4	81.1	121.7





#89
1,2,4-Trichlorobenzene
Concen: 18.706 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

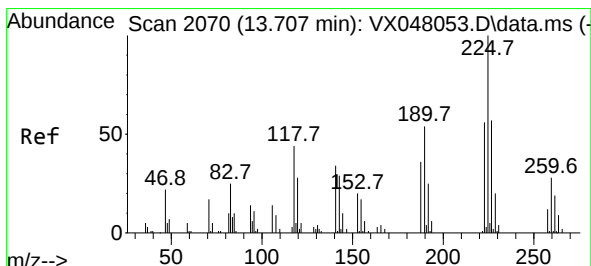
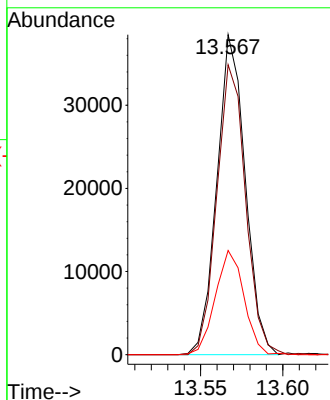
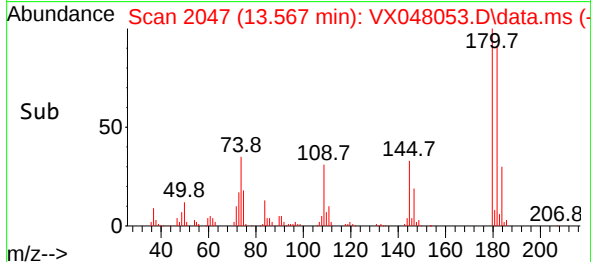
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:180 Resp: 4613
Ion Ratio Lower Upper
180 100
182 91.7 73.4 110.0
145 32.8 26.2 39.4

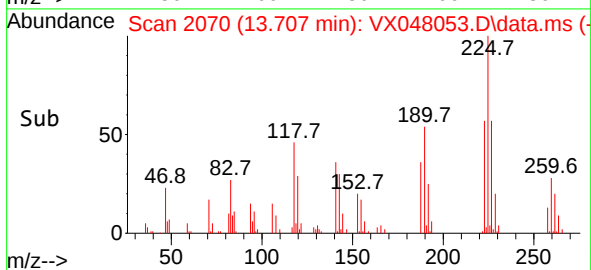
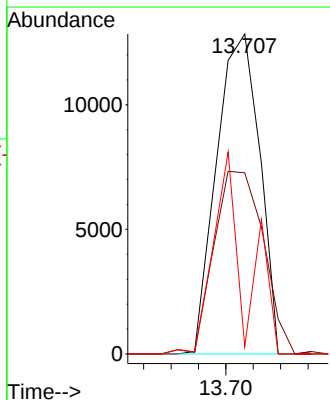
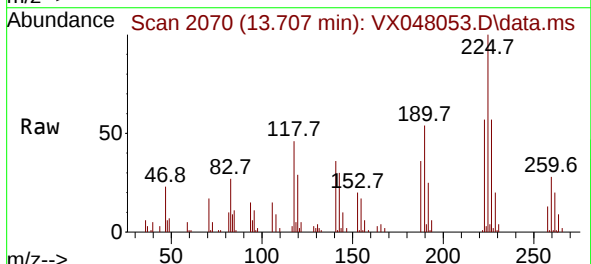
Manual Integrations
APPROVED

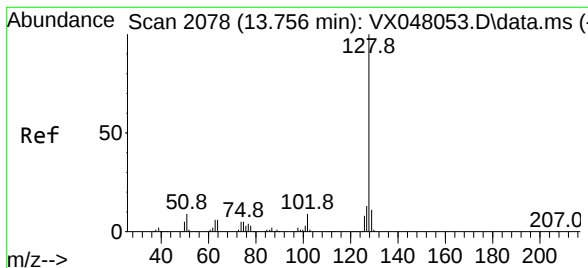
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#90
Hexachlorobutadiene
Concen: 13.713 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

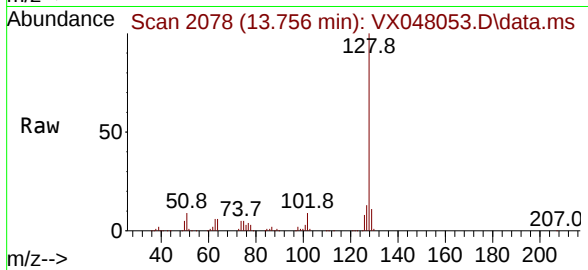
Tgt Ion:225 Resp: 14017
Ion Ratio Lower Upper
225 100
223 65.0 0.0 130.0
227 31.5 0.0 63.0





#91
Naphthalene
Concen: 18.019 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

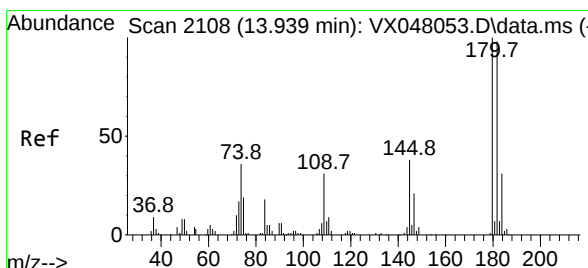
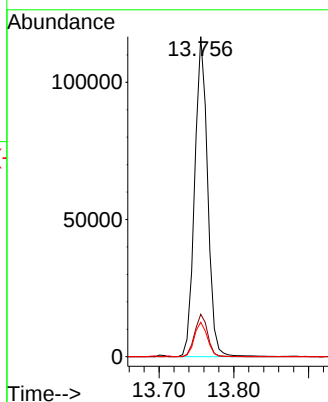
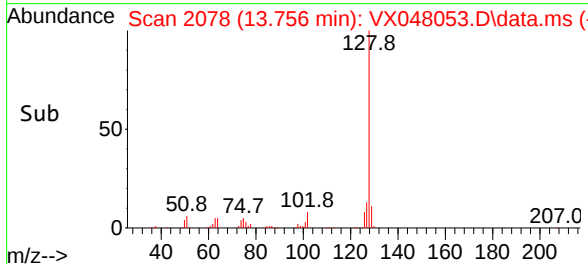
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion:128 Resp: 140259
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#92
1,2,3-Trichlorobenzene
Concen: 18.219 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX048053.D
Acq: 07 Oct 2025 17:22

Tgt Ion:180 Resp: 43739
Ion Ratio Lower Upper
180 100
182 95.0 0.0 190.0
145 36.1 0.0 72.2

