

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026782.D
 Acq On : 22 Oct 2025 12:09
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 09:15:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:15:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.814	168	868891	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.789	114	1579101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.938	117	1504049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	958873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.195	65	36604	5.399	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.800%	
35) Dibromofluoromethane	7.731	113	33878	5.219	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	10.440%	
50) Toluene-d8	10.446	98	102087	5.638	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.280%	
62) 4-Bromofluorobenzene	13.072	95	60959	5.112	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.220%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.997	85	30893	4.751	ug/l	89
3) Chloromethane	2.208	50	38137	4.659	ug/l	91
4) Vinyl Chloride	2.338	62	54012	5.485	ug/l	96
5) Bromomethane	2.678	94	38329	6.081	ug/l	95
6) Chloroethane	2.819	64	40284	5.694	ug/l	91
7) Trichlorofluoromethane	3.154	101	65425	4.885	ug/l #	83
8) Diethyl Ether	3.571	74	33255	5.128	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.918	101	43591	5.164	ug/l #	86
10) Methyl Iodide	4.112	142	41350	4.289	ug/l	96
11) Tert butyl alcohol	4.987	59	78673	23.637	ug/l #	88
12) 1,1-Dichloroethene	3.900	96	46807	5.561	ug/l #	60
13) Acrolein	3.771	56	69234	31.476	ug/l	97
14) Allyl chloride	4.494	41	90356	5.132	ug/l	96
15) Acrylonitrile	5.164	53	174475	23.728	ug/l	96
16) Acetone	3.994	43	316382	35.713	ug/l	95
17) Carbon Disulfide	4.212	76	77106	5.038	ug/l #	91
18) Methyl Acetate	4.500	43	81086	3.475	ug/l	99
19) Methyl tert-butyl Ether	5.240	73	180542	5.043	ug/l	99
20) Methylene Chloride	4.717	84	54391	5.158	ug/l #	77
21) trans-1,2-Dichloroethene	5.217	96	42071	4.914	ug/l	96
22) Diisopropyl ether	6.121	45	184180	4.893	ug/l	92
23) Vinyl Acetate	6.045	43	682267	27.532	ug/l	98
24) 1,1-Dichloroethane	5.986	63	100599	5.252	ug/l	97
25) 2-Butanone	6.991	43	370341	31.066	ug/l	98
26) 2,2-Dichloropropane	6.973	77	81753	4.996	ug/l	83
27) cis-1,2-Dichloroethene	6.973	96	63334	5.294	ug/l	98
28) Bromochloromethane	7.332	49	31029	3.586	ug/l #	88
29) Tetrahydrofuran	7.373	42	154826	23.531	ug/l	99
30) Chloroform	7.514	83	91029	4.908	ug/l	93
31) Cyclohexane	7.825	56	92049	5.747	ug/l #	77
32) 1,1,1-Trichloroethane	7.731	97	75353	4.909	ug/l	97
36) 1,1-Dichloropropene	7.960	75	64307	5.157	ug/l	96
37) Ethyl Acetate	7.079	43	84641	4.634	ug/l	99
38) Carbon Tetrachloride	7.937	117	51851	4.459	ug/l	85
39) Methylcyclohexane	9.341	83	81143	5.175	ug/l	93
40) Benzene	8.219	78	203427	4.871	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:15:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.308	41	58204	5.406	ug/l	96
42) 1,2-Dichloroethane	8.301	62	63354	4.629	ug/l	88
43) Isopropyl Acetate	8.342	43	149150	4.876	ug/l	97
44) Trichloroethene	9.065	130	51423	5.159	ug/l	95
45) 1,2-Dichloropropane	9.371	63	56925	5.219	ug/l #	86
46) Dibromomethane	9.470	93	36272	5.011	ug/l	96
47) Bromodichloromethane	9.676	83	73570	4.885	ug/l	96
48) Methyl methacrylate	9.459	41	67609	4.704	ug/l	97
49) 1,4-Dioxane	9.470	88	27561	87.134	ug/l #	93
51) 4-Methyl-2-Pentanone	10.328	43	513722	25.614	ug/l	98
52) Toluene	10.522	92	143310	5.093	ug/l	91
53) t-1,3-Dichloropropene	10.769	75	83596	4.864	ug/l #	85
54) cis-1,3-Dichloropropene	10.158	75	90815	5.080	ug/l #	85
55) 1,1,2-Trichloroethane	10.975	97	56207	4.945	ug/l	89
56) Ethyl methacrylate	10.816	69	101242	4.811	ug/l	96
57) 1,3-Dichloropropane	11.139	76	93541	4.906	ug/l	92
58) 2-Chloroethyl Vinyl ether	10.005	63	23539	39.125	ug/l	100
59) 2-Hexanone	11.186	43	507879	28.957	ug/l	98
60) Dibromochloromethane	11.368	129	54738	4.710	ug/l	98
61) 1,2-Dibromoethane	11.486	107	56458	4.993	ug/l	99
64) Tetrachloroethene	11.063	164	41391	5.240	ug/l	95
65) Chlorobenzene	11.973	112	175996	5.259	ug/l	89
66) 1,1,1,2-Tetrachloroethane	12.056	131	51330	4.974	ug/l	96
67) Ethyl Benzene	12.056	91	300434	5.364	ug/l	97
68) m/p-Xylenes	12.173	106	236625	10.765	ug/l	99
69) o-Xylene	12.555	106	114257	5.187	ug/l	97
70) Styrene	12.573	104	205595	5.102	ug/l	96
71) Bromoform	12.761	173	37976	4.457	ug/l #	98
73) Isopropylbenzene	12.896	105	294197	5.252	ug/l	99
74) N-amyl acetate	12.679	43	161046	5.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.178	83	101109	4.880	ug/l	94
76) 1,2,3-Trichloropropane	13.225	75	82615m	4.756	ug/l	
77) Bromobenzene	13.225	156	68952	5.042	ug/l	91
78) n-propylbenzene	13.290	91	354062	5.122	ug/l	98
79) 2-Chlorotoluene	13.390	91	203428	4.931	ug/l	98
80) 1,3,5-Trimethylbenzene	13.442	105	246400	5.011	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.943	75	33998	4.573	ug/l	99
82) 4-Chlorotoluene	13.495	91	208936	4.825	ug/l	98
83) tert-Butylbenzene	13.748	119	247375	5.303	ug/l	90
84) 1,2,4-Trimethylbenzene	13.795	105	274435	5.141	ug/l	99
85) sec-Butylbenzene	13.948	105	336843	5.012	ug/l	96
86) p-Isopropyltoluene	14.071	119	288268	4.944	ug/l	97
87) 1,3-Dichlorobenzene	14.077	146	156512	5.031	ug/l	98
88) 1,4-Dichlorobenzene	14.177	146	170253	5.272	ug/l	96
89) n-Butylbenzene	14.447	91	272686	4.780	ug/l	98
90) Hexachloroethane	14.759	117	39921	4.229	ug/l	95
91) 1,2-Dichlorobenzene	14.500	146	166074	5.208	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	15.205	75	24529	5.149	ug/l	87
93) 1,2,4-Trichlorobenzene	16.028	180	86155	4.262	ug/l	96
94) Hexachlorobutadiene	16.157	225	36223	5.042	ug/l	90
95) Naphthalene	16.333	128	254483	4.014	ug/l	97
96) 1,2,3-Trichlorobenzene	16.586	180	86668	4.352	ug/l	95

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Misc : 5mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

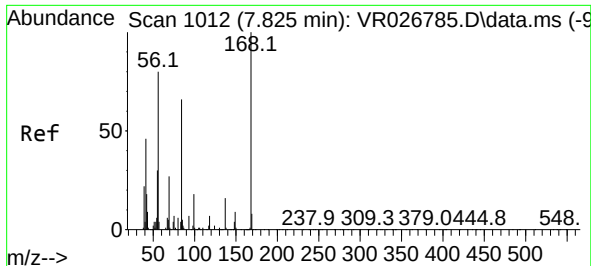
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 09:15:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 09:15:18 2025
Response via : Initial Calibration

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



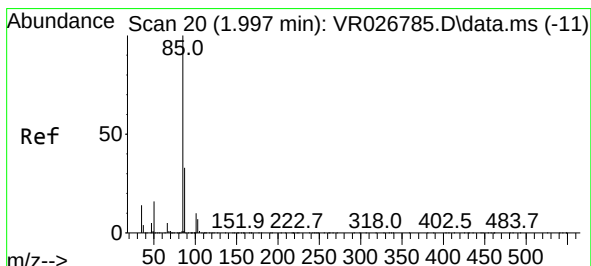
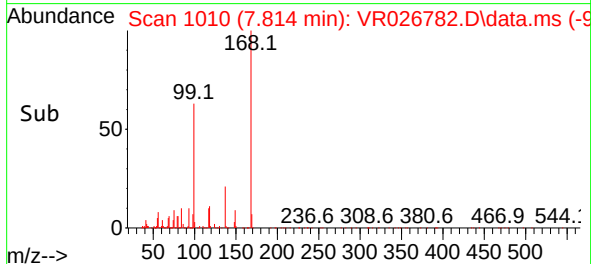
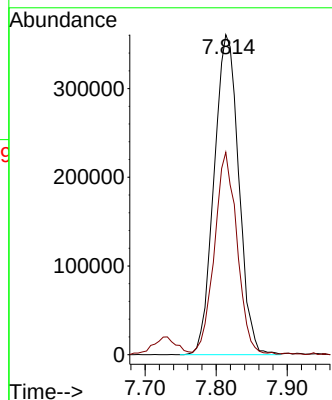
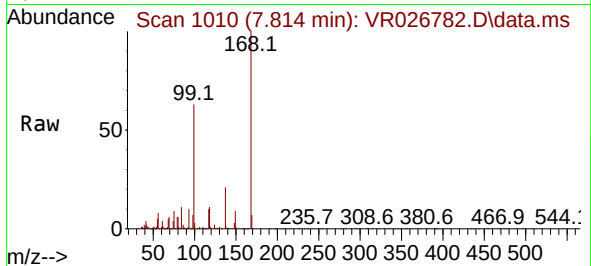
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.814 min Scan# 10
Delta R.T. -0.011 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 86889
Ion Ratio Lower Upper
168 100
99 63.0 41.0 61.6

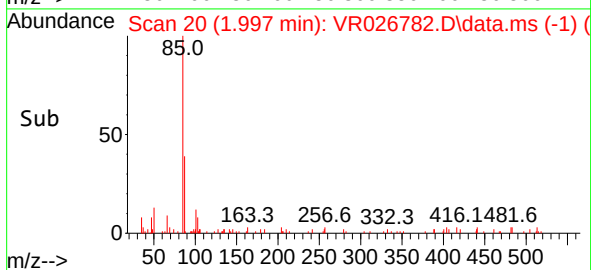
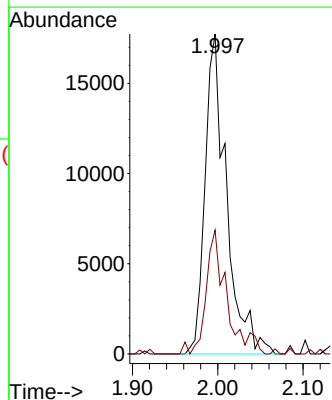
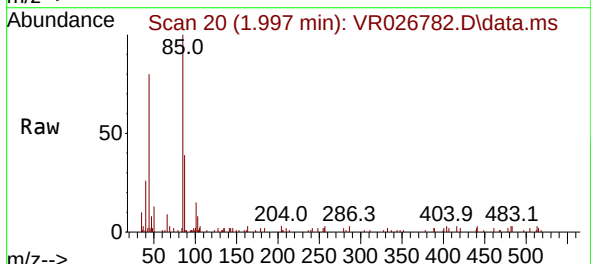
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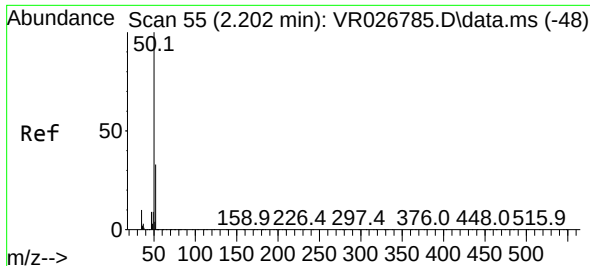
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#2
Dichlorodifluoromethane
Concen: 4.751 ug/l
RT: 1.997 min Scan# 20
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 85 Resp: 30893
Ion Ratio Lower Upper
85 100
87 38.7 16.3 48.9





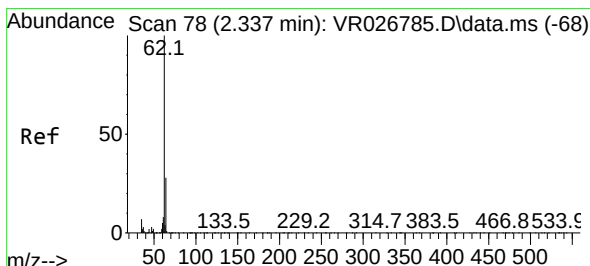
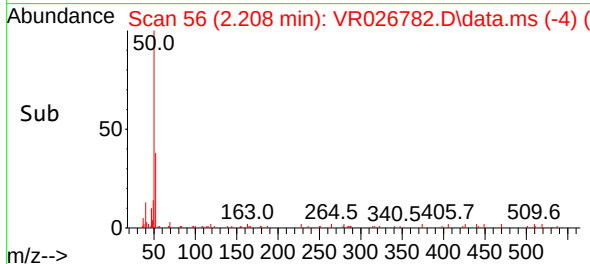
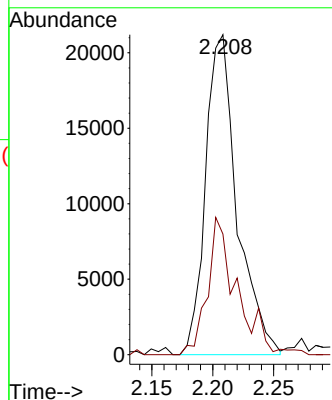
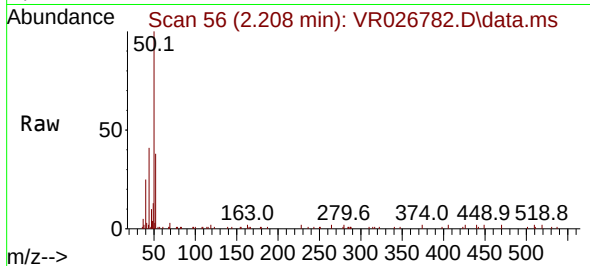
#3
Chloromethane
Concen: 4.659 ug/l
RT: 2.208 min Scan# 50
Delta R.T. 0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 3813
Ion Ratio Lower Upper
50 100
52 37.7 26.2 39.2

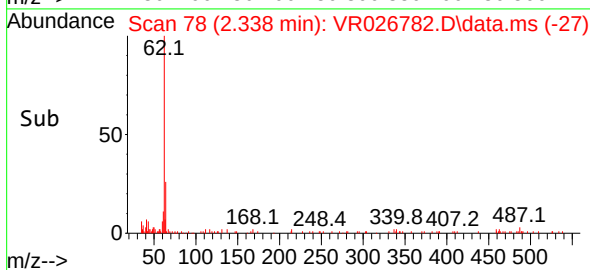
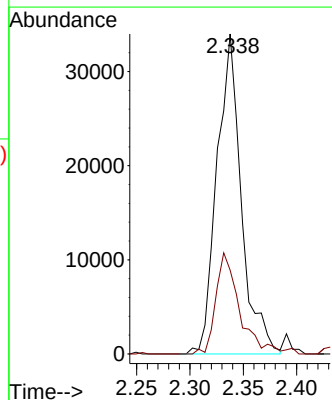
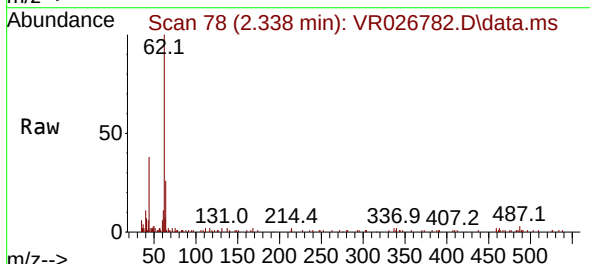
Manual Integrations
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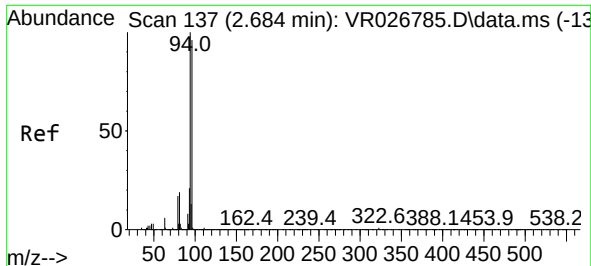
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#4
Vinyl Chloride
Concen: 5.485 ug/l
RT: 2.338 min Scan# 78
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

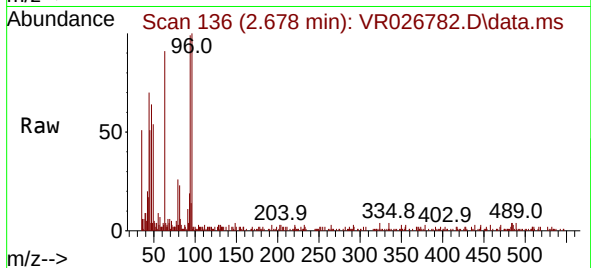
Tgt Ion: 62 Resp: 54012
Ion Ratio Lower Upper
62 100
64 26.2 22.6 33.8





#5
Bromomethane
Concen: 6.081 ug/l
RT: 2.678 min Scan# 137
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

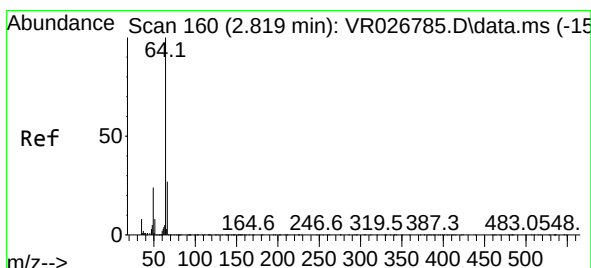
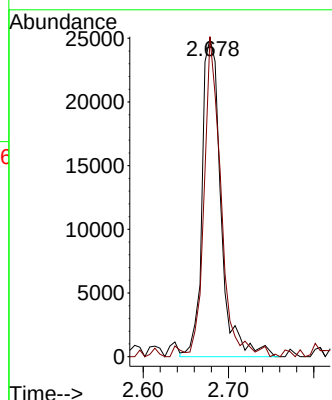
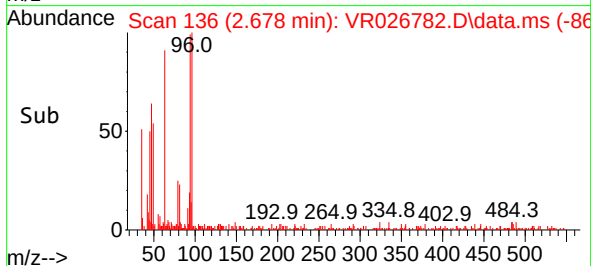
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 38329
Ion Ratio Lower Upper
94 100
96 100.6 76.4 114.6

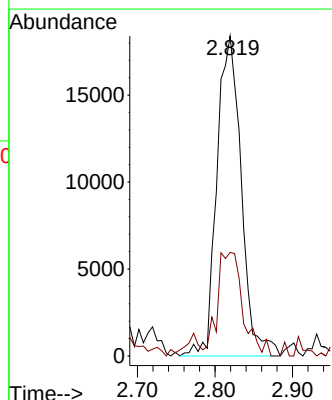
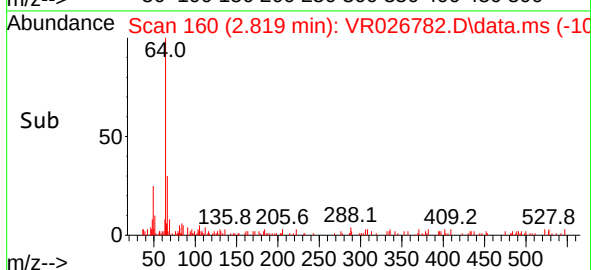
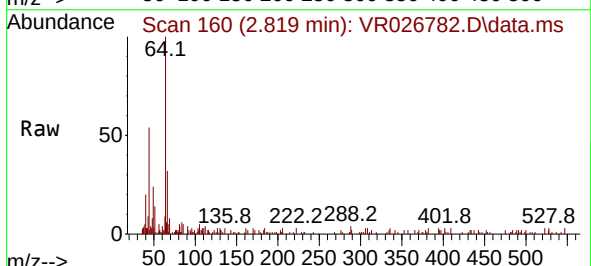
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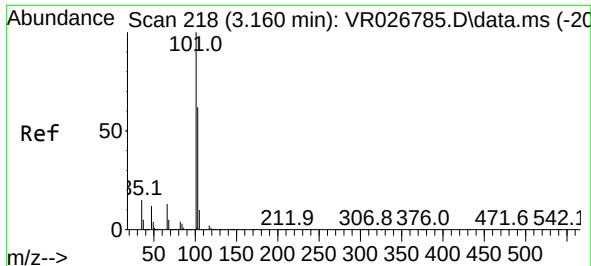
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#6
Chloroethane
Concen: 5.694 ug/l
RT: 2.819 min Scan# 160
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 64 Resp: 40284
Ion Ratio Lower Upper
64 100
66 32.4 22.0 33.0





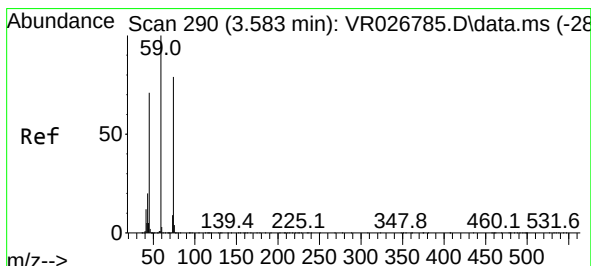
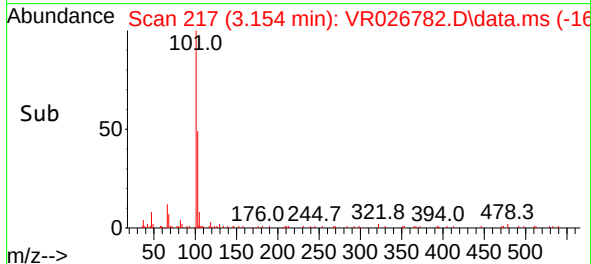
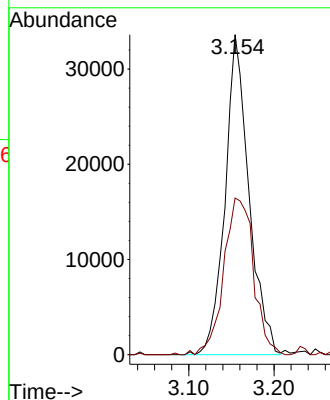
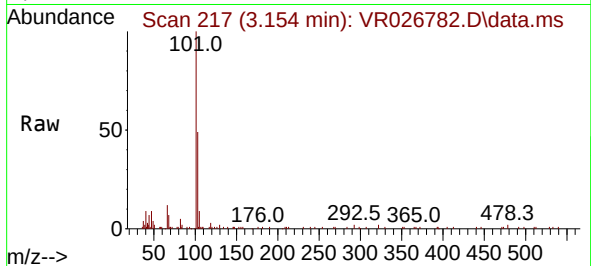
#7
 Trichlorofluoromethane
 Concen: 4.885 ug/l
 RT: 3.154 min Scan# 218
 Delta R.T. -0.006 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

Instrument : MSVOA_R
 ClientSampleId : VSTDIC005

Tgt Ion:101 Resp: 65425
 Ion Ratio Lower Upper
 101 100
 103 49.0 49.6 74.4

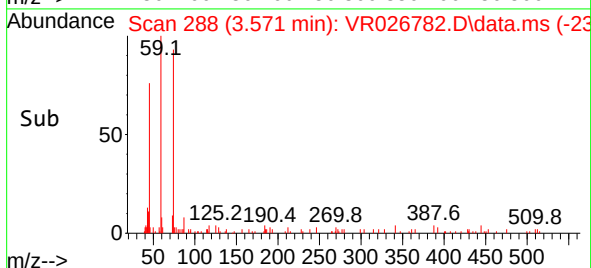
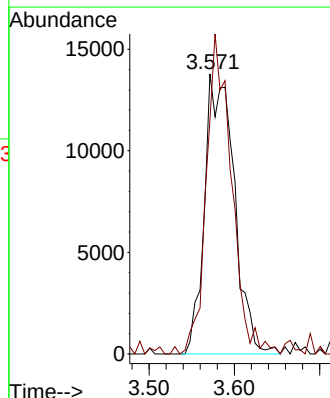
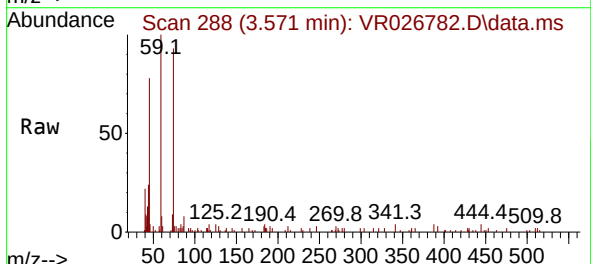
Manual Integrations
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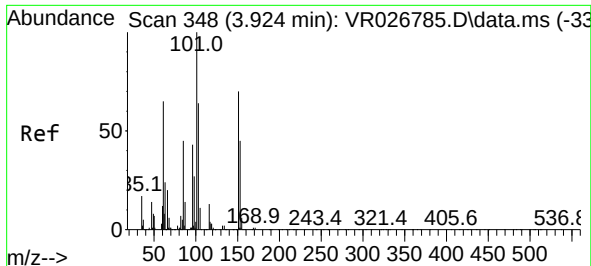
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#8
 Diethyl Ether
 Concen: 5.128 ug/l
 RT: 3.571 min Scan# 288
 Delta R.T. -0.012 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

Tgt Ion: 74 Resp: 33255
 Ion Ratio Lower Upper
 74 100
 45 97.4 47.3 141.9





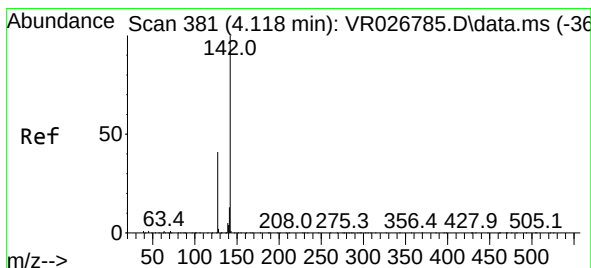
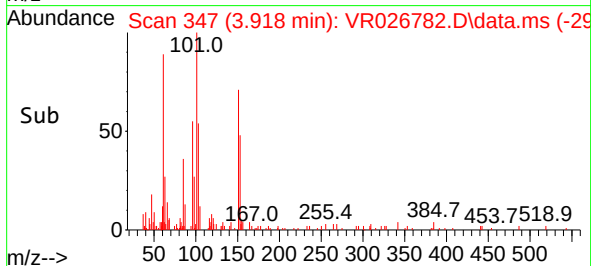
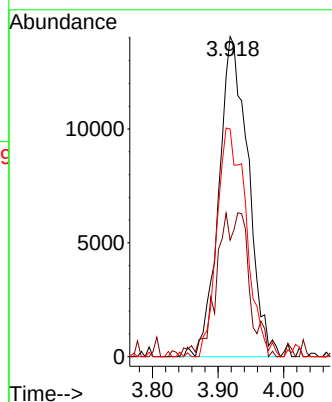
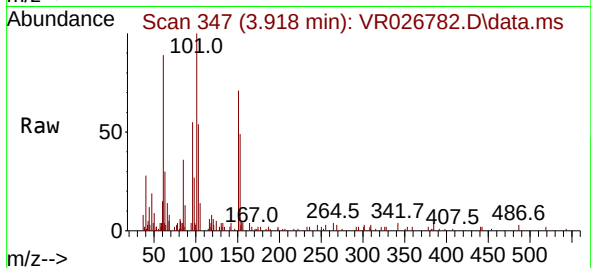
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.164 ug/l
RT: 3.918 min Scan# 34
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 4359
Ion Ratio Lower Upper
101 100
85 24.3 36.6 54.8
151 70.9 55.5 83.3

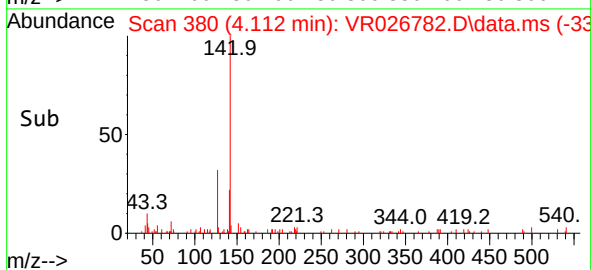
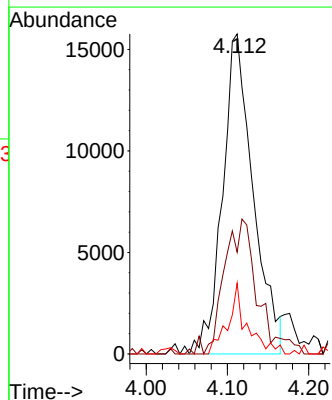
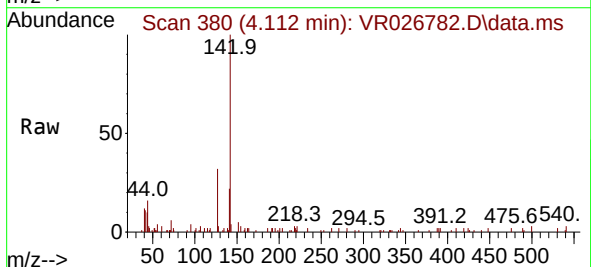
Manual Integrations
APPROVED

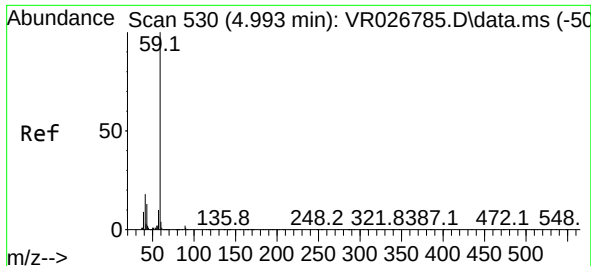
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#10
Methyl Iodide
Concen: 4.289 ug/l
RT: 4.112 min Scan# 380
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

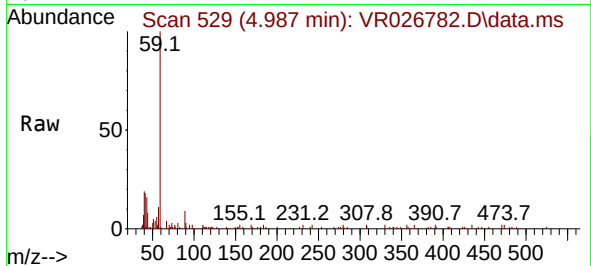
Tgt Ion:142 Resp: 41350
Ion Ratio Lower Upper
142 100
127 43.3 31.8 47.6
141 13.8 10.9 16.3





#11
Tert butyl alcohol
Concen: 23.637 ug/l
RT: 4.987 min Scan# 51
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

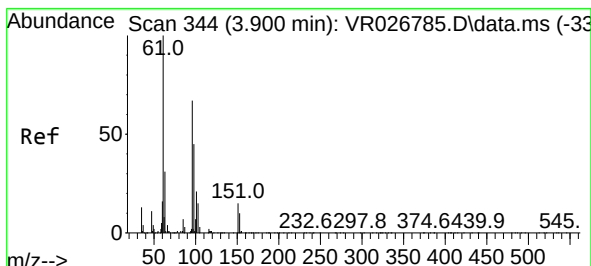
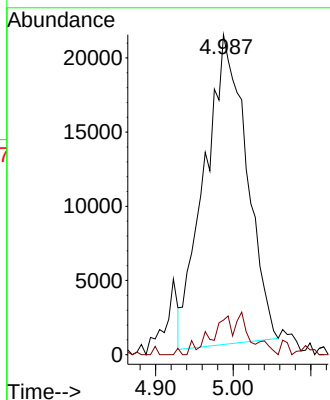
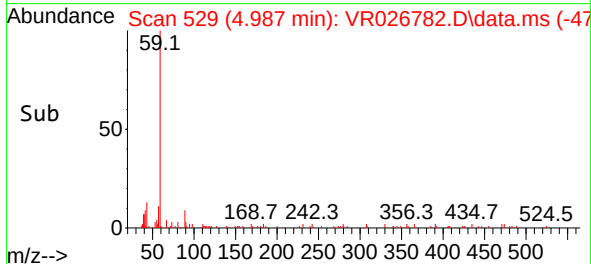
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



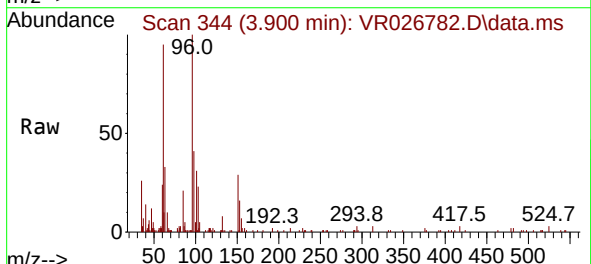
Tgt Ion: 59 Resp: 7867
Ion Ratio Lower Upper
59 100
57 6.2 8.5 12.7

Manual Integrations
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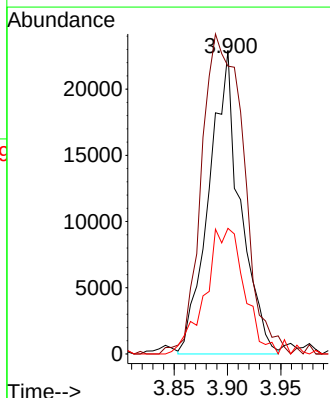
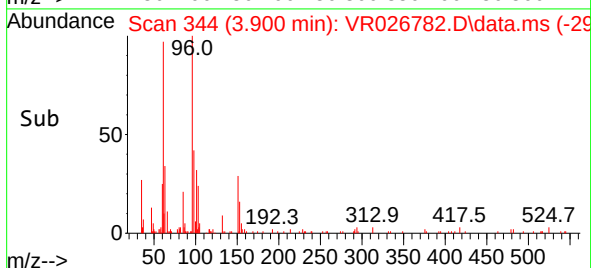
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

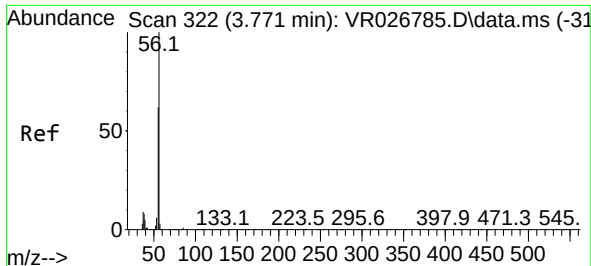


#12
1,1-Dichloroethene
Concen: 5.561 ug/l
RT: 3.900 min Scan# 344
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion: 96 Resp: 46807
Ion Ratio Lower Upper
96 100
61 92.8 119.0 178.6#
98 41.8 53.0 79.6#





#13

Acrolein

Concen: 31.476 ug/l

RT: 3.771 min Scan# 31

Delta R.T. 0.000 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Instrument :

MSVOA_R

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 69234

Ion Ratio Lower Upper

56 100

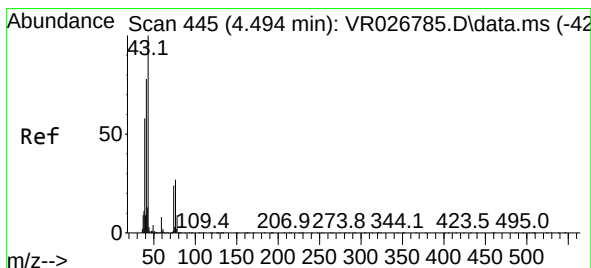
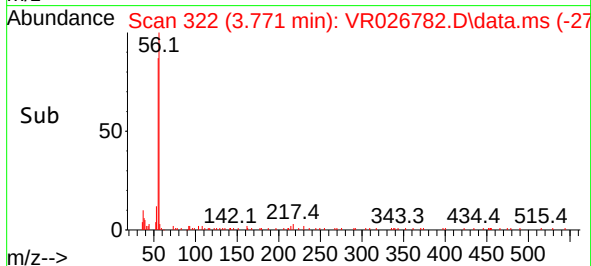
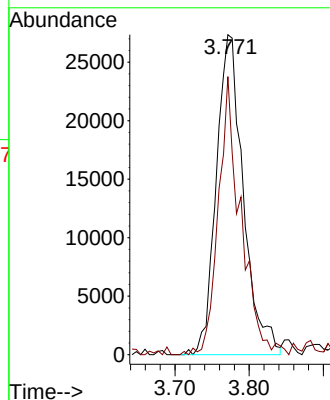
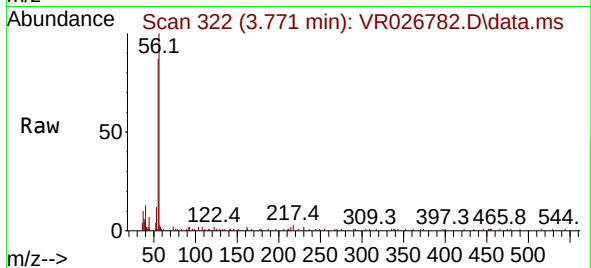
55 70.5 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#14

Allyl chloride

Concen: 5.132 ug/l

RT: 4.494 min Scan# 445

Delta R.T. 0.000 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

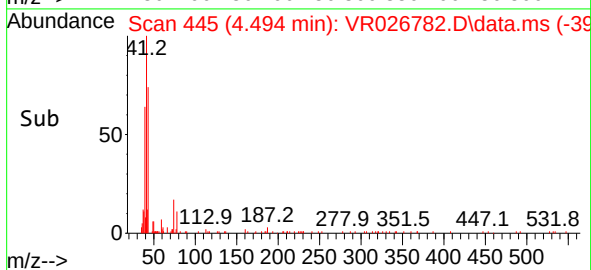
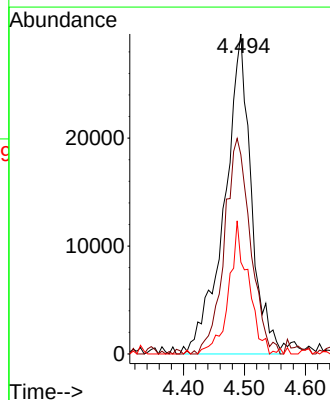
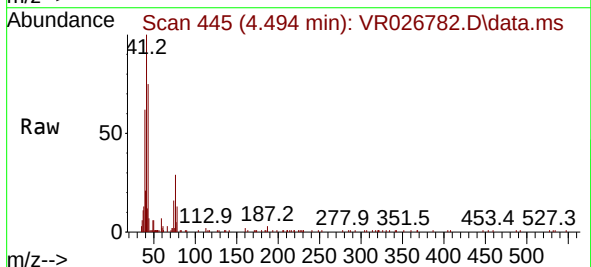
Tgt Ion: 41 Resp: 90356

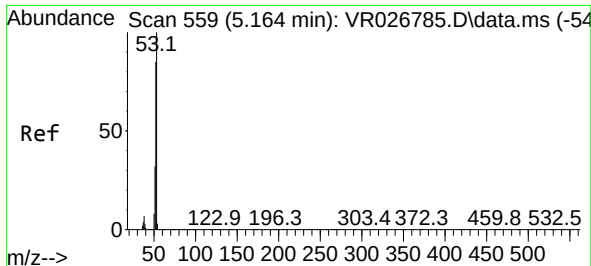
Ion Ratio Lower Upper

41 100

39 66.0 49.0 73.6

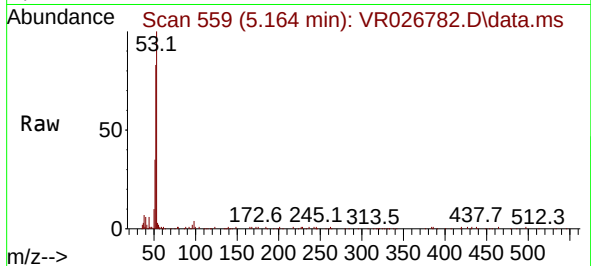
76 30.3 24.0 36.0





#15
Acrylonitrile
Concen: 23.728 ug/l
RT: 5.164 min Scan# 51
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

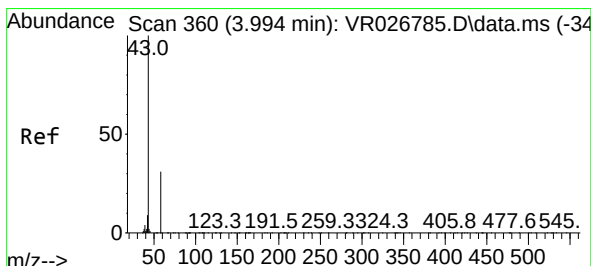
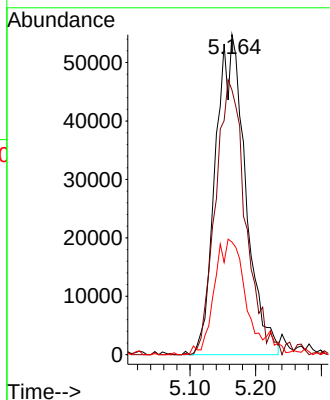
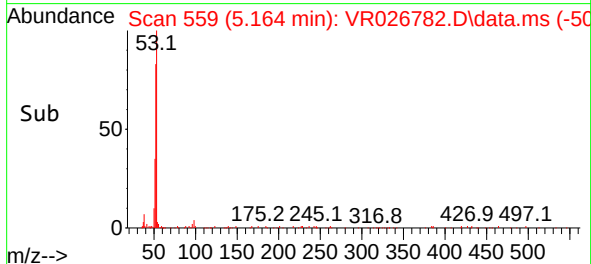
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005



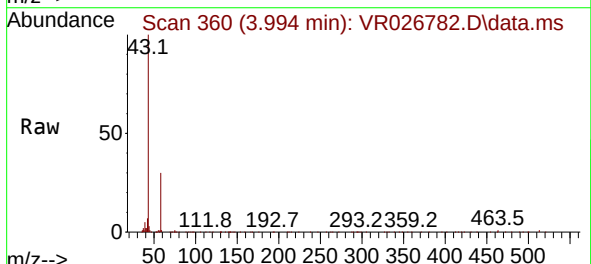
Tgt Ion: 53 Resp: 174479
Ion Ratio Lower Upper
53 100
52 85.9 65.8 98.8
51 36.2 27.7 41.5

Manual Integrations
APPROVED

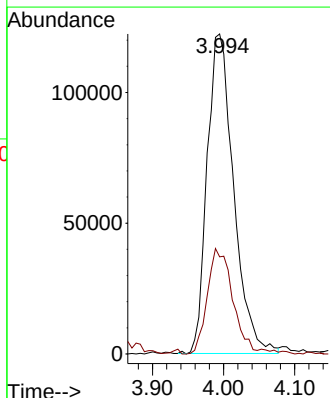
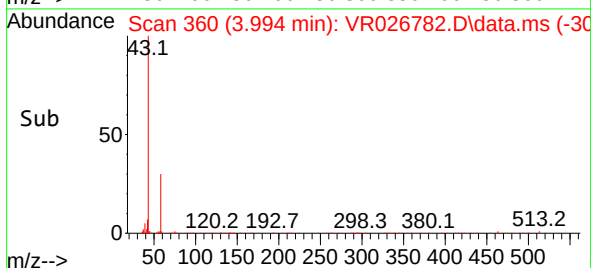
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

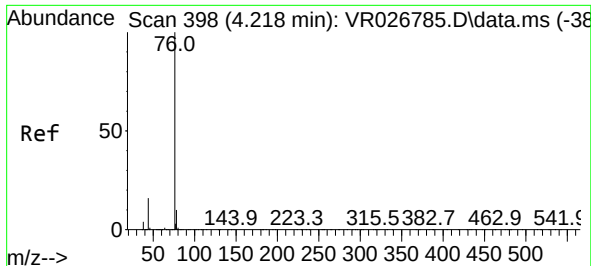


#16
Acetone
Concen: 35.713 ug/l
RT: 3.994 min Scan# 360
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



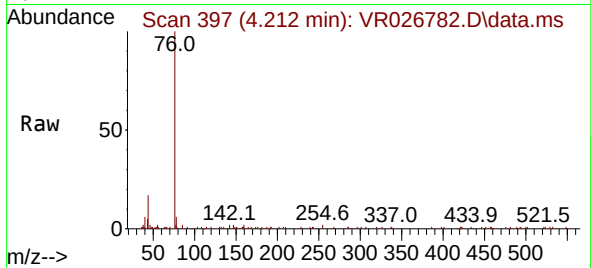
Tgt Ion: 43 Resp: 316382
Ion Ratio Lower Upper
43 100
58 29.9 26.2 39.4





#17
Carbon Disulfide
Concen: 5.038 ug/l
RT: 4.212 min Scan# 397
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

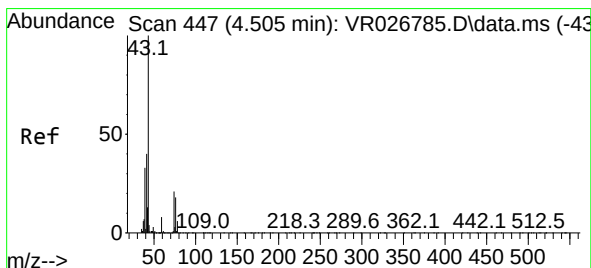
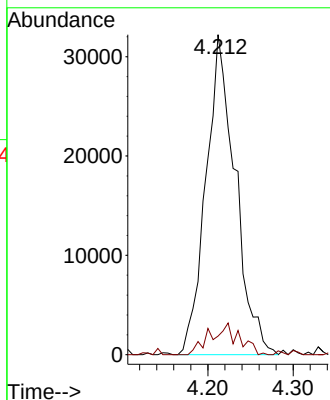
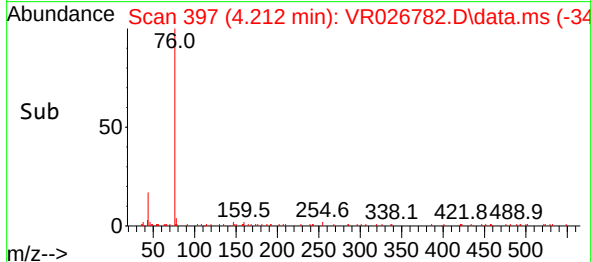
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005



Tgt Ion: 76 Resp: 77100
Ion Ratio Lower Upper
76 100
78 6.9 8.2 12.2

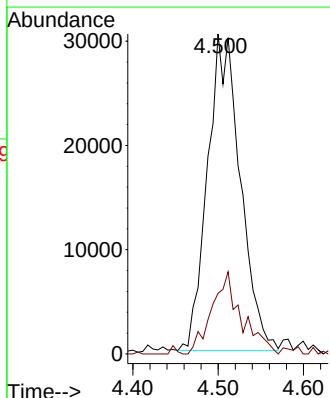
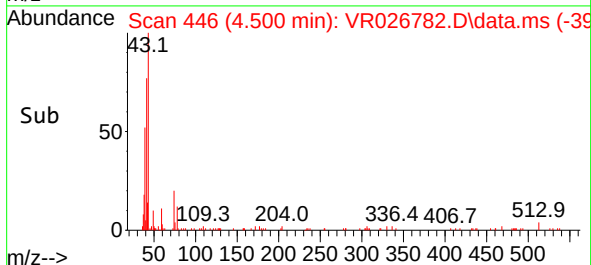
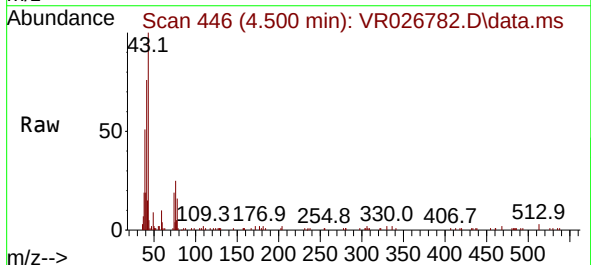
Manual Integrations
APPROVED

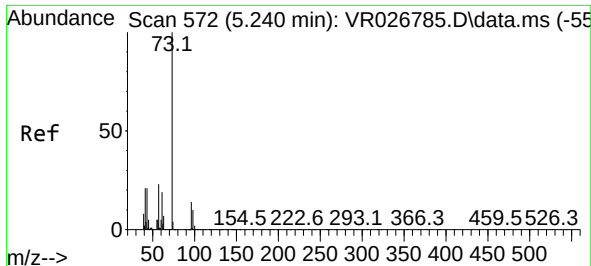
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#18
Methyl Acetate
Concen: 3.475 ug/l
RT: 4.500 min Scan# 446
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 43 Resp: 81086
Ion Ratio Lower Upper
43 100
74 23.4 18.5 27.7





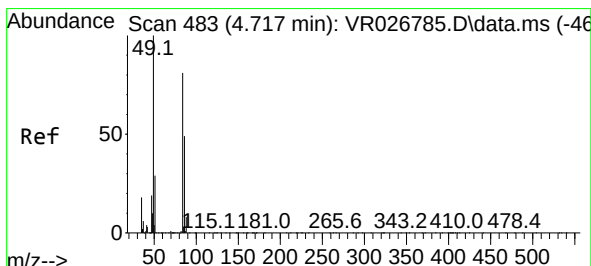
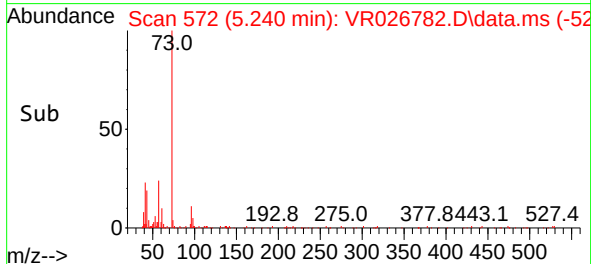
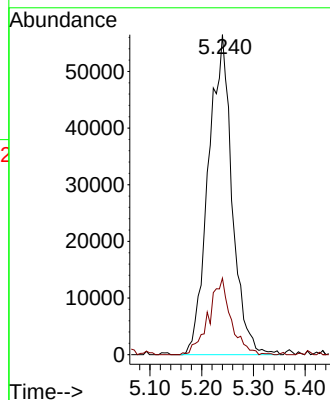
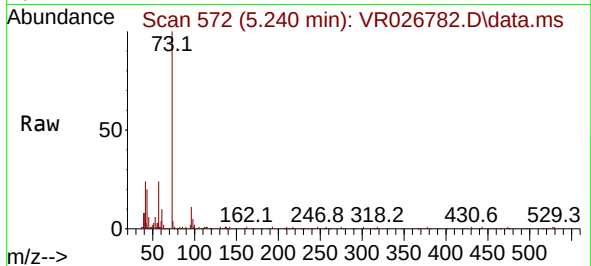
#19
Methyl tert-butyl Ether
Concen: 5.043 ug/l
RT: 5.240 min Scan# 51
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 18054
Ion Ratio Lower Upper
73 100
57 23.9 18.6 28.0

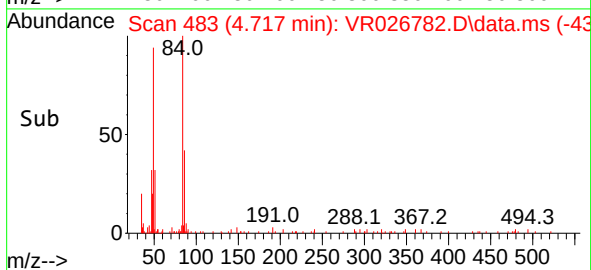
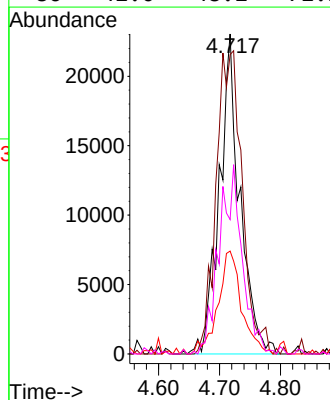
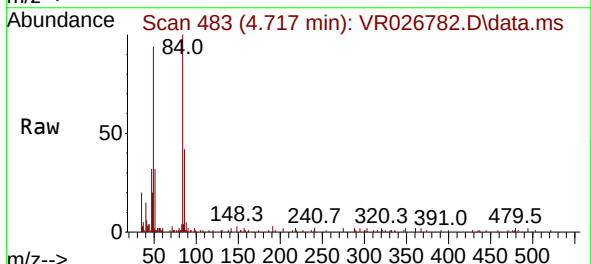
Manual Integrations
APPROVED

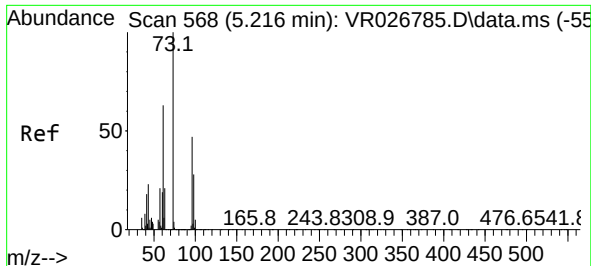
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#20
Methylene Chloride
Concen: 5.158 ug/l
RT: 4.717 min Scan# 483
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

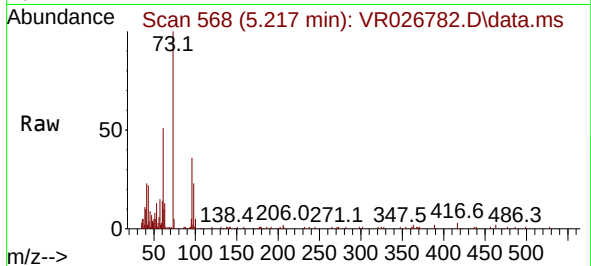
Tgt Ion: 84 Resp: 54391
Ion Ratio Lower Upper
84 100
49 93.5 99.0 148.6#
51 32.1 28.6 42.8
86 42.0 48.2 72.2#





#21
trans-1,2-Dichloroethene
Concen: 4.914 ug/l
RT: 5.217 min Scan# 501
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

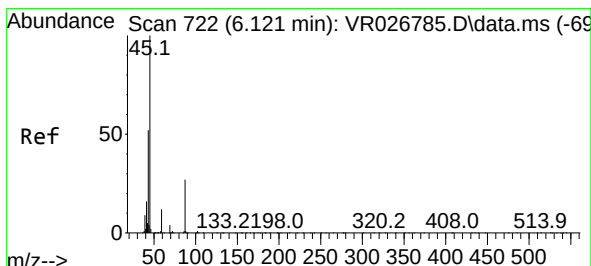
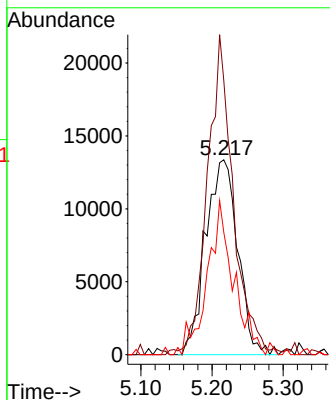
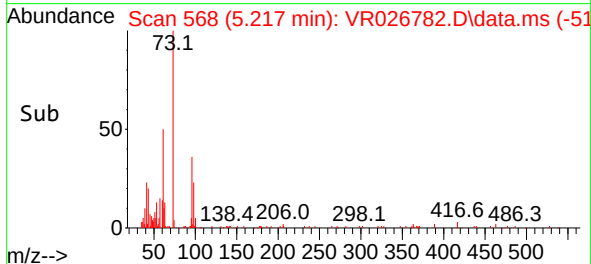
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 4207
Ion Ratio Lower Upper
96 100
61 138.8 107.4 161.0
98 62.8 48.1 72.1

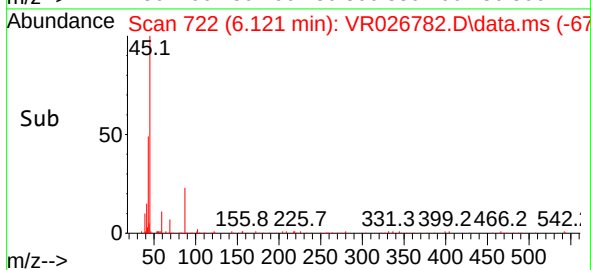
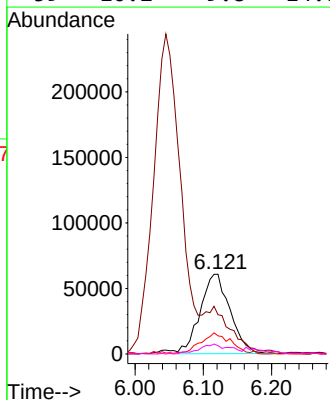
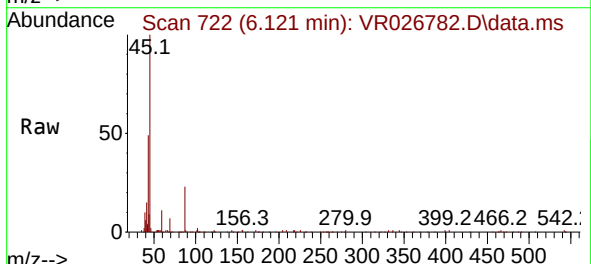
Manual Integrations
APPROVED

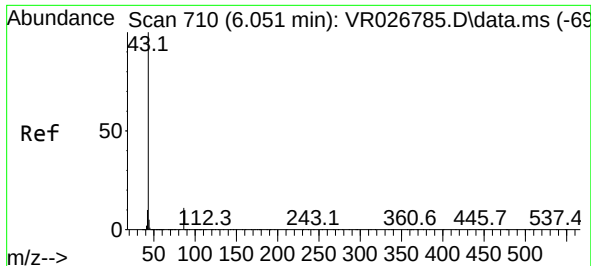
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#22
Diisopropyl ether
Concen: 4.893 ug/l
RT: 6.121 min Scan# 722
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

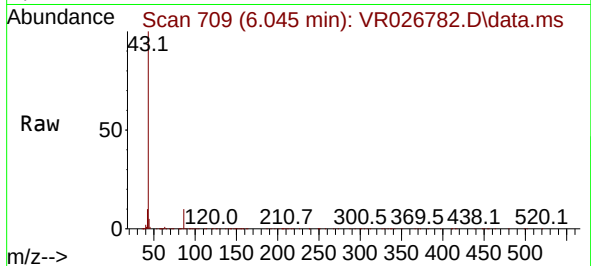
Tgt Ion: 45 Resp: 184180
Ion Ratio Lower Upper
45 100
43 46.9 41.8 62.8
87 22.8 21.8 32.8
59 10.2 9.8 14.8





#23
 Vinyl Acetate
 Concen: 27.532 ug/l
 RT: 6.045 min Scan# 709
 Delta R.T. -0.006 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

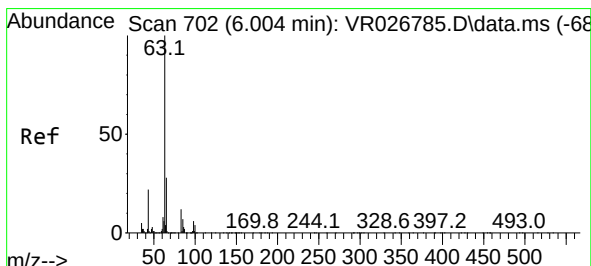
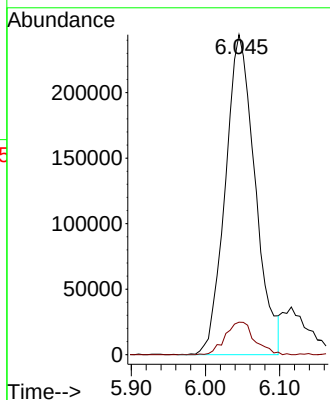
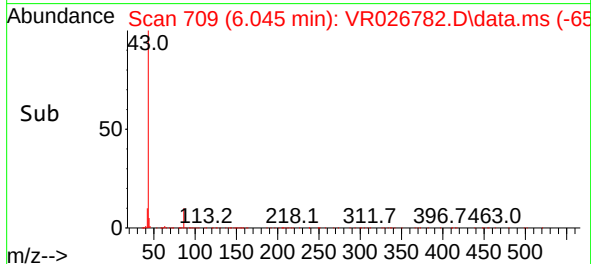
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005



Tgt Ion: 43 Resp: 68226
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.7 13.1

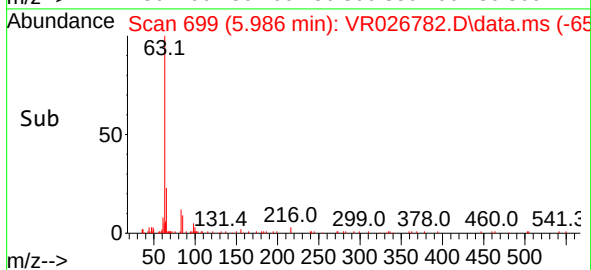
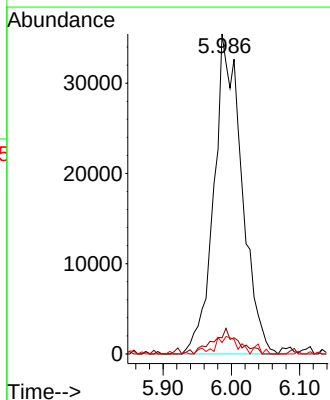
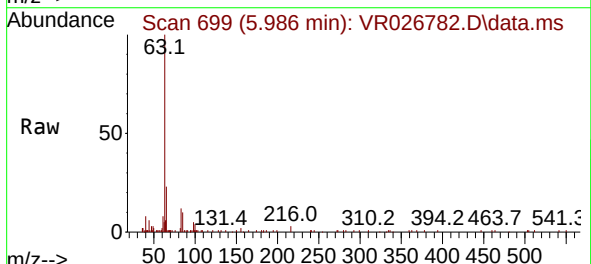
Manual Integrations
 APPROVED

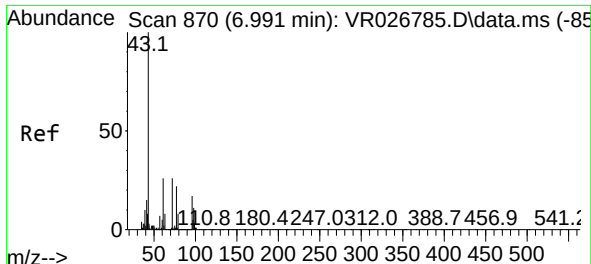
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#24
 1,1-Dichloroethane
 Concen: 5.252 ug/l
 RT: 5.986 min Scan# 699
 Delta R.T. -0.017 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

Tgt Ion: 63 Resp: 100599
 Ion Ratio Lower Upper
 63 100
 98 5.1 3.1 9.4
 100 3.6 2.1 6.3





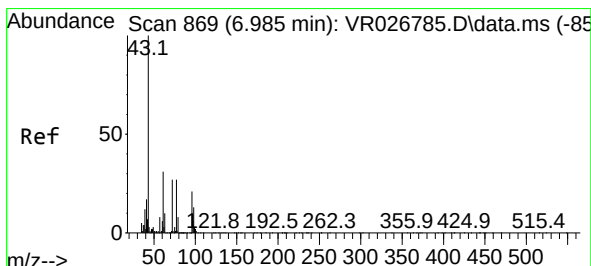
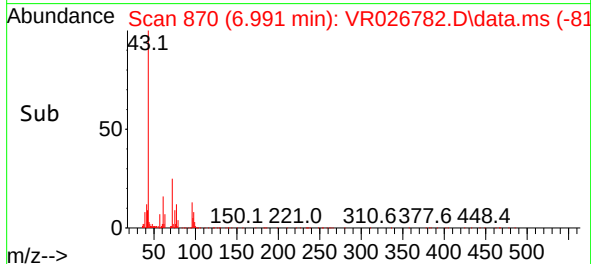
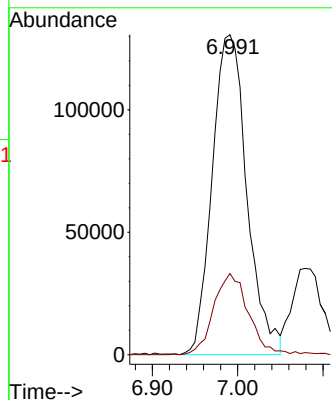
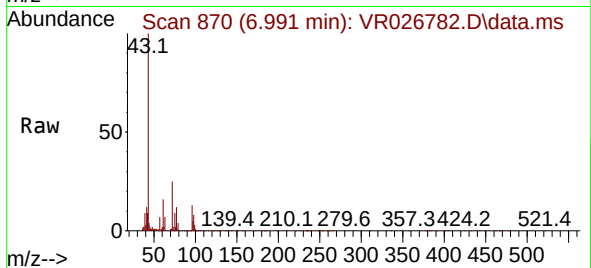
#25
2-Butanone
Concen: 31.066 ug/l
RT: 6.991 min Scan# 81
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 37034
Ion Ratio Lower Upper
43 100
72 25.3 21.0 31.4

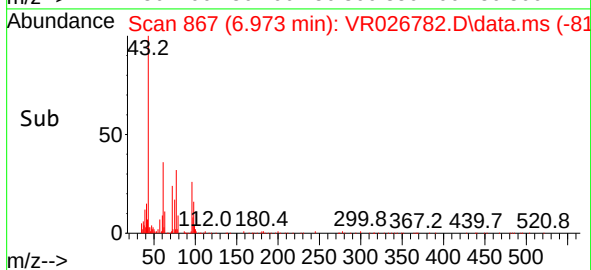
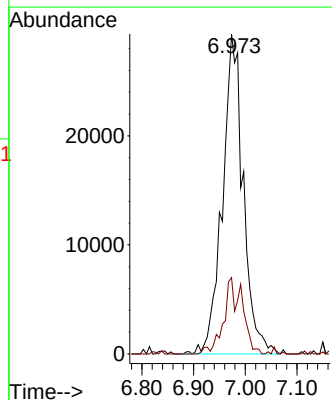
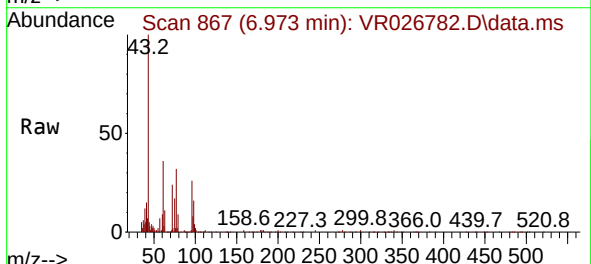
Manual Integrations
APPROVED

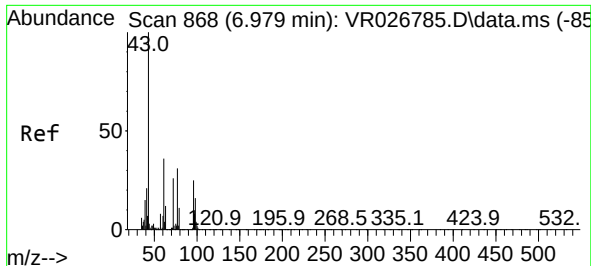
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#26
2,2-Dichloropropane
Concen: 4.996 ug/l
RT: 6.973 min Scan# 867
Delta R.T. -0.012 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

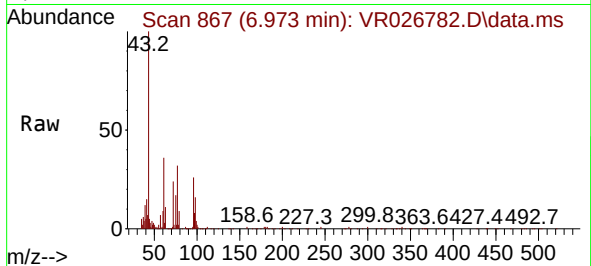
Tgt Ion: 77 Resp: 81753
Ion Ratio Lower Upper
77 100
97 14.6 11.6 34.7





#27
 cis-1,2-Dichloroethene
 Concen: 5.294 ug/l
 RT: 6.973 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

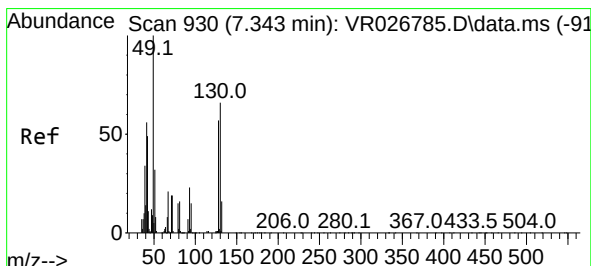
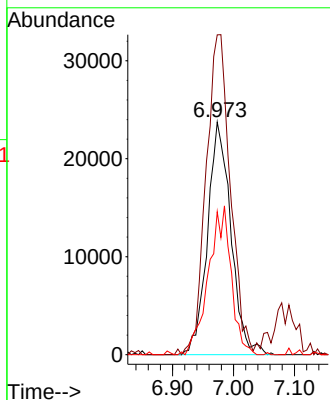
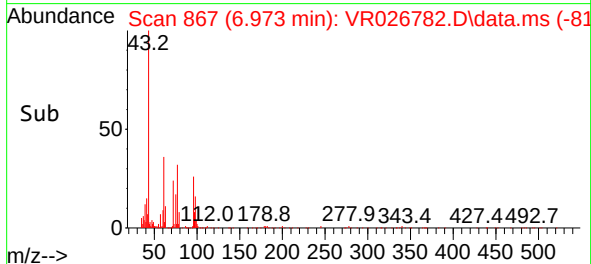
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC005



Tgt Ion: 96 Resp: 63334
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 291.0
 98 61.9 0.0 127.8

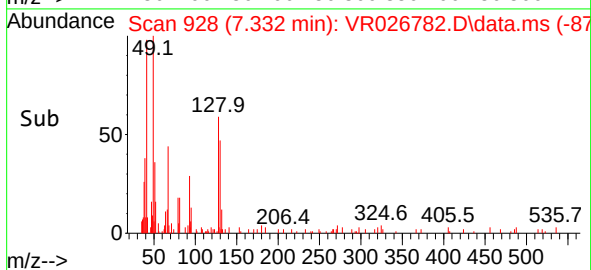
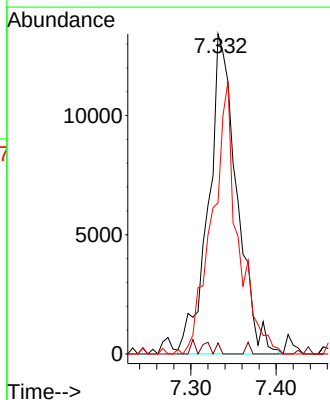
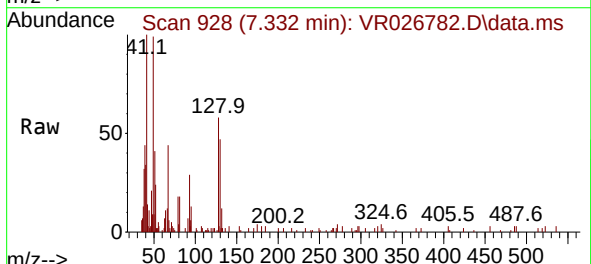
Manual Integrations
 APPROVED

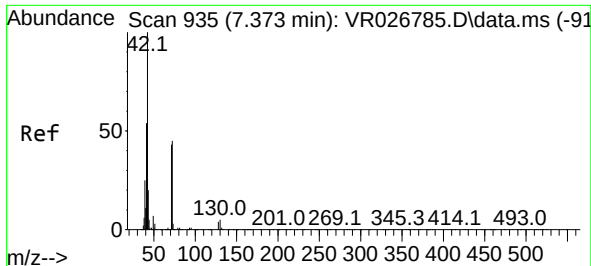
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#28
 Bromochloromethane
 Concen: 3.586 ug/l
 RT: 7.332 min Scan# 928
 Delta R.T. -0.012 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

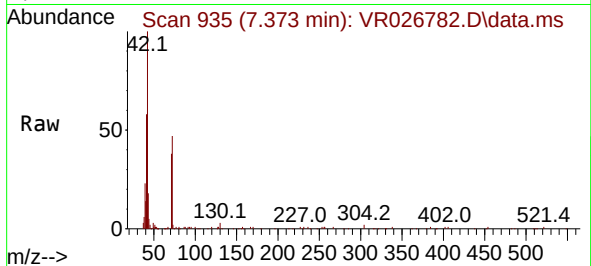
Tgt Ion: 49 Resp: 31029
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.6
 130 77.3 53.8 80.6





#29
Tetrahydrofuran
Concen: 23.531 ug/l
RT: 7.373 min Scan# 91
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

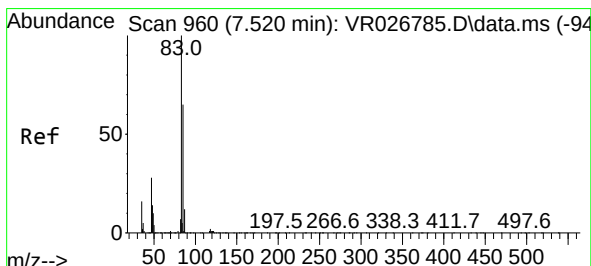
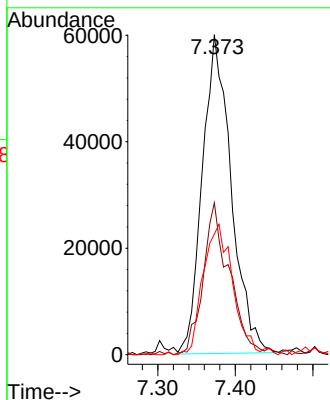
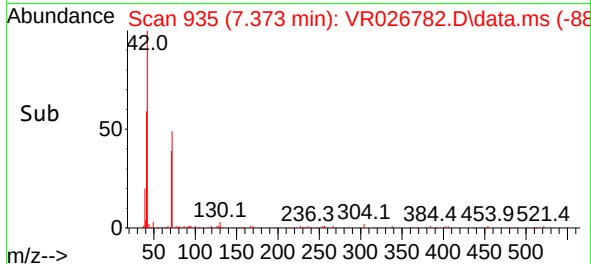
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005



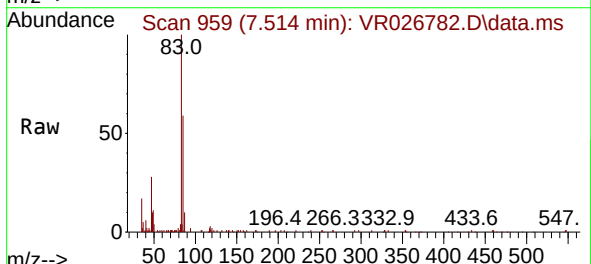
Tgt Ion: 42 Resp: 154820
Ion Ratio Lower Upper
42 100
72 43.7 35.4 53.0
71 41.8 32.8 49.2

Manual Integrations
APPROVED

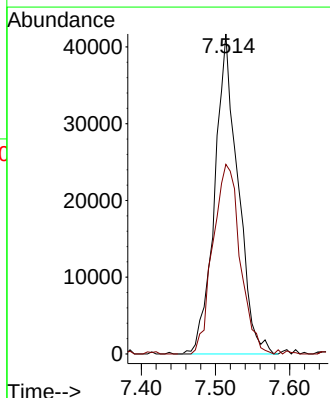
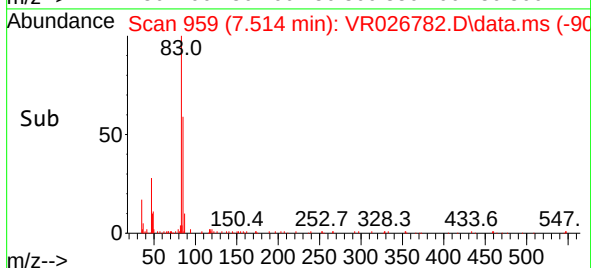
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

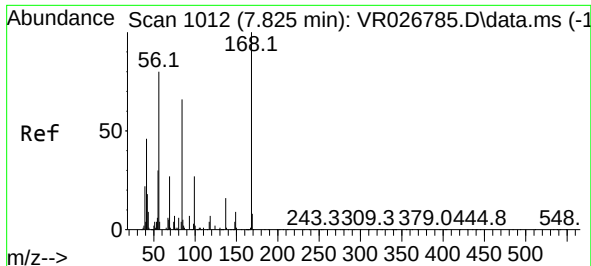


#30
Chloroform
Concen: 4.908 ug/l
RT: 7.514 min Scan# 959
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



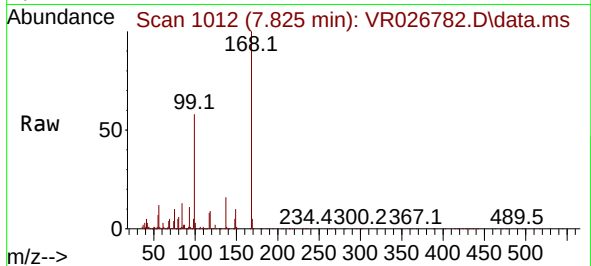
Tgt Ion: 83 Resp: 91029
Ion Ratio Lower Upper
83 100
85 59.2 51.7 77.5





#31
Cyclohexane
Concen: 5.747 ug/l
RT: 7.825 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

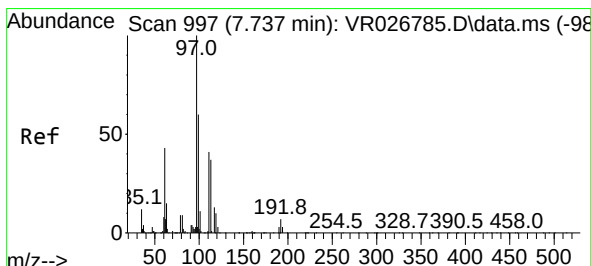
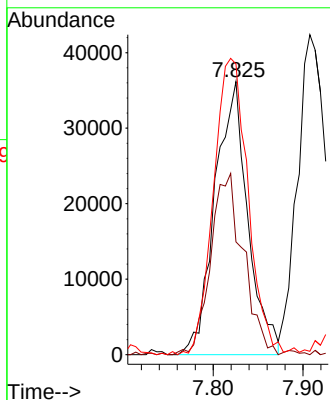
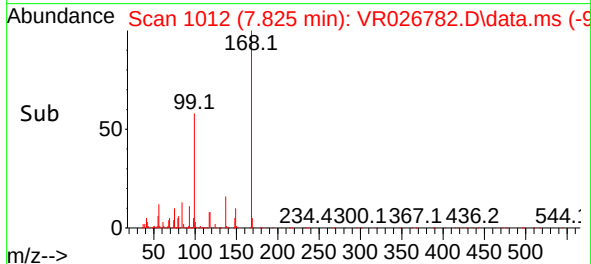
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 92049
Ion Ratio Lower Upper
56 100
69 41.3 26.9 40.3
84 106.4 66.1 99.1

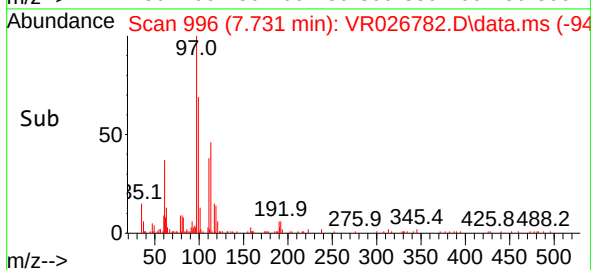
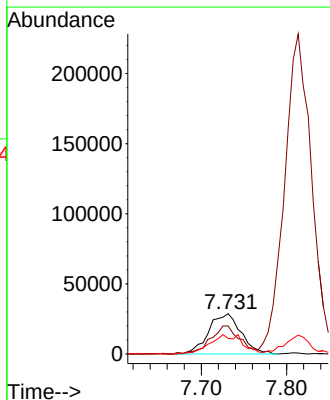
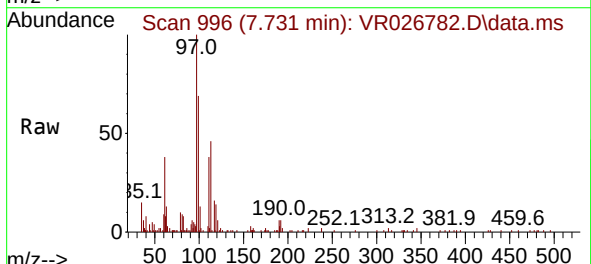
Manual Integrations
APPROVED

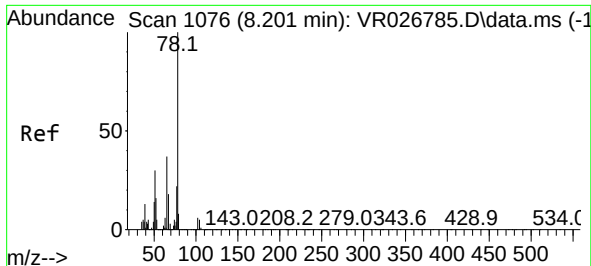
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#32
1,1,1-Trichloroethane
Concen: 4.909 ug/l
RT: 7.731 min Scan# 996
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 97 Resp: 75353
Ion Ratio Lower Upper
97 100
99 63.8 49.5 74.3
61 48.5 36.9 55.3





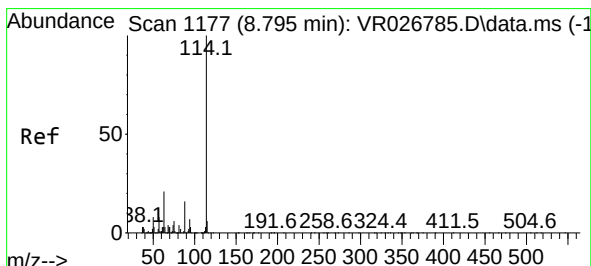
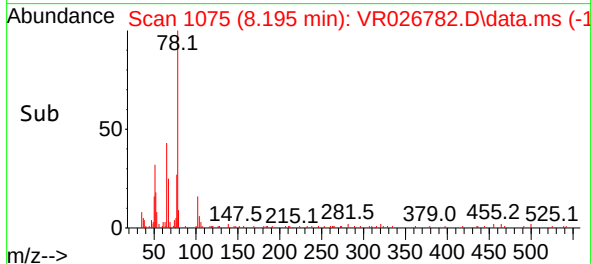
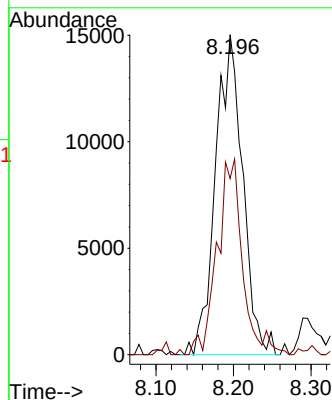
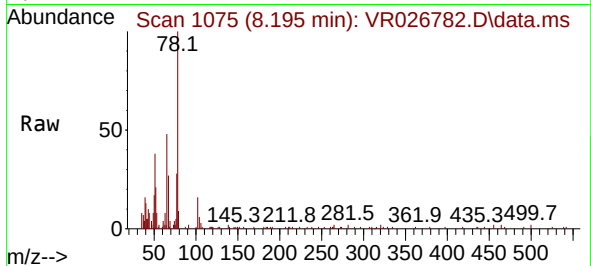
#33
1,2-Dichloroethane-d4
Concen: 5.399 ug/l
RT: 8.195 min Scan# 1076
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion: 65 Resp: 36604
Ion Ratio Lower Upper
65 100
67 55.1 0.0 108.2

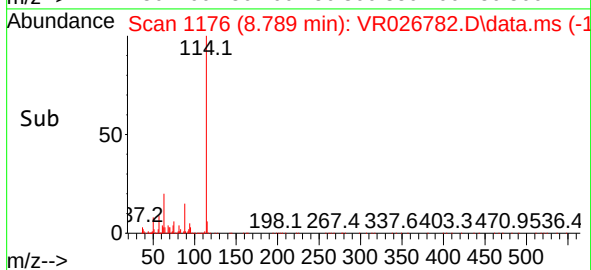
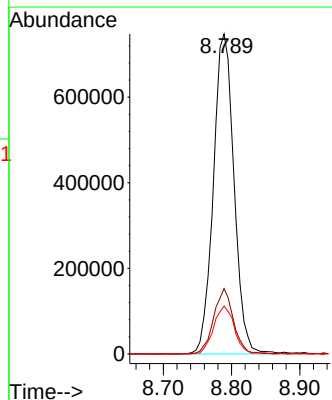
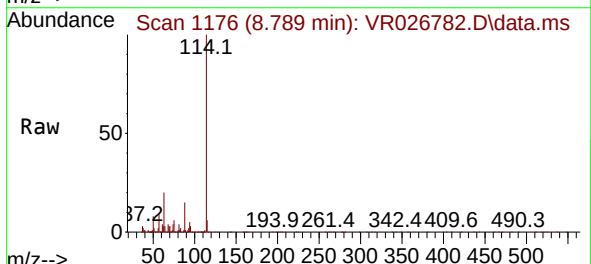
Manual Integrations
APPROVED

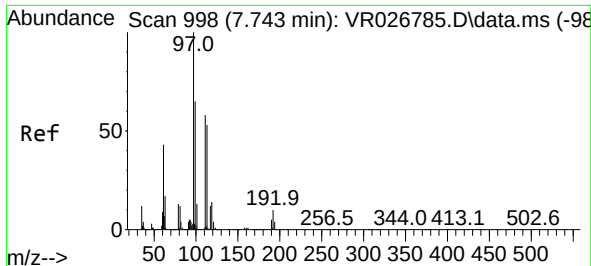
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.789 min Scan# 1176
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

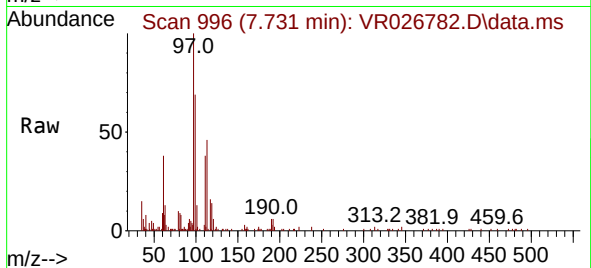
Tgt Ion:114 Resp: 1579101
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.4
88 14.9 0.0 31.4





#35
Dibromofluoromethane
Concen: 5.219 ug/l
RT: 7.731 min Scan# 998
Delta R.T. -0.012 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

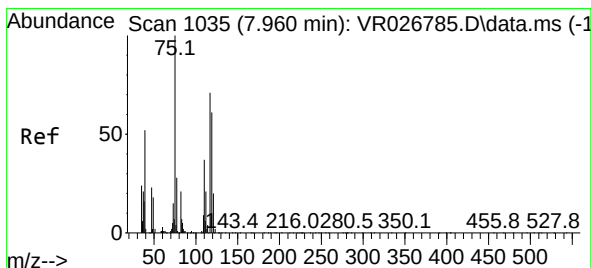
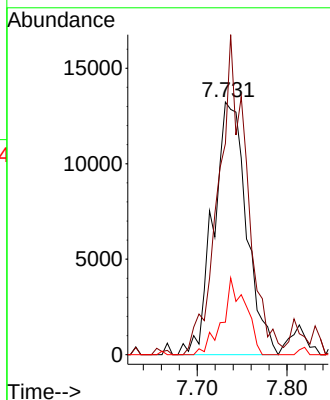
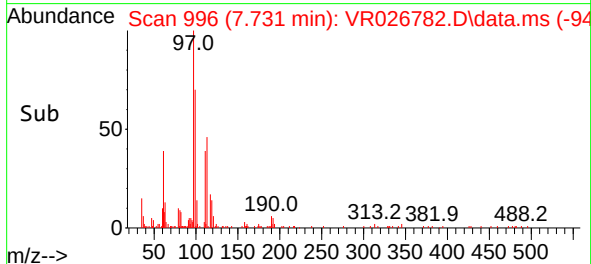
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



Tgt Ion: 113 Resp: 33878
Ion Ratio Lower Upper
113 100
111 109.0 86.0 129.0
192 21.5 14.6 22.0

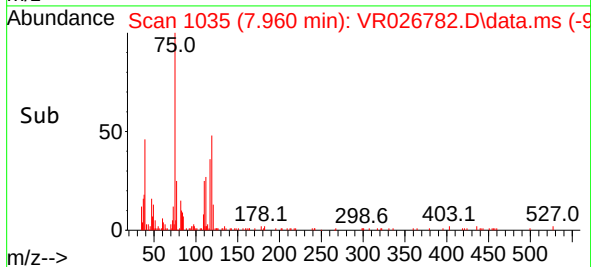
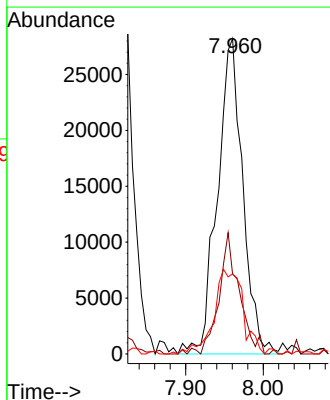
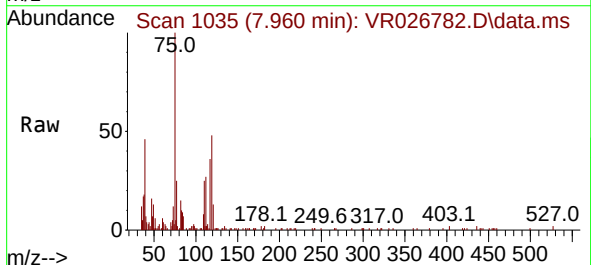
Manual Integrations
APPROVED

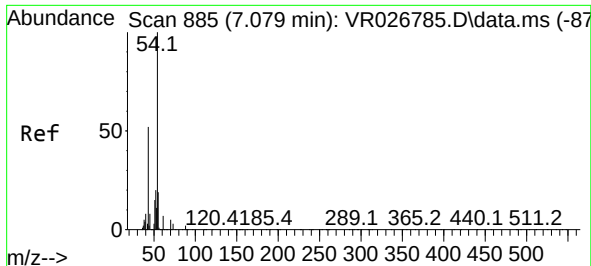
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#36
1,1-Dichloropropene
Concen: 5.157 ug/l
RT: 7.960 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

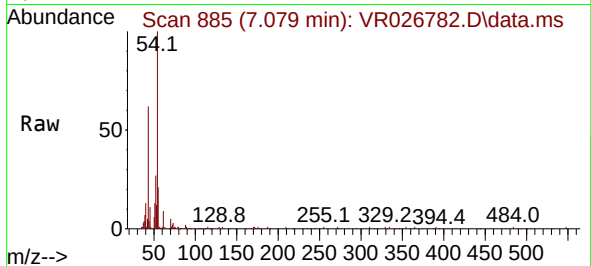
Tgt Ion: 75 Resp: 64307
Ion Ratio Lower Upper
75 100
110 30.9 17.4 52.2
77 30.4 23.8 35.8





#37
Ethyl Acetate
Concen: 4.634 ug/l
RT: 7.079 min Scan# 885
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

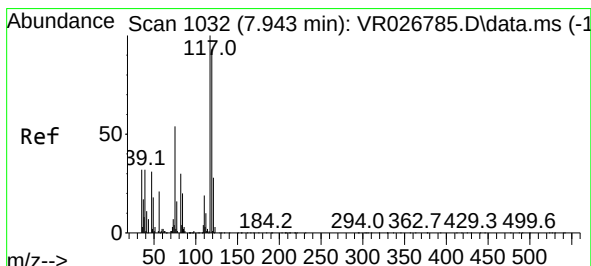
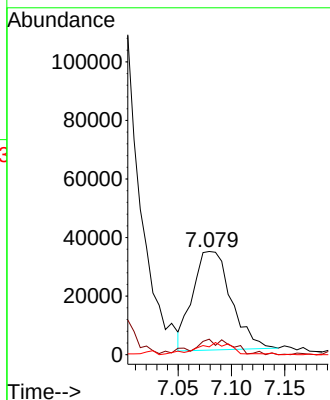
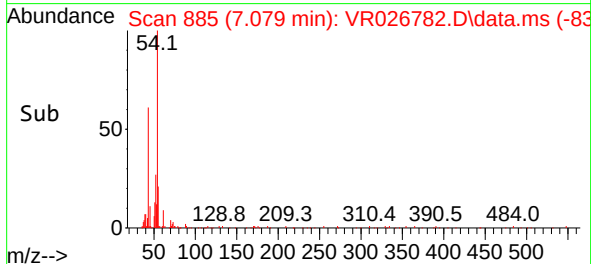
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



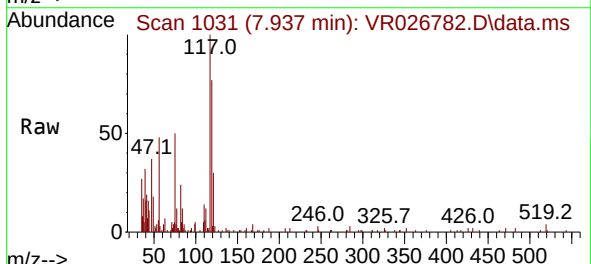
Tgt Ion: 43 Resp: 8464
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 10.8 7.8 11.8

Manual Integrations
APPROVED

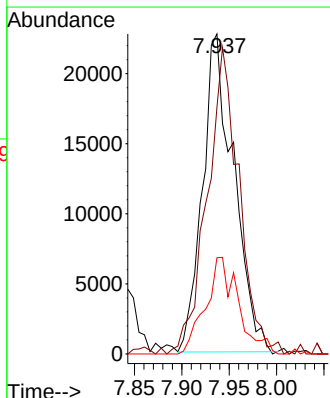
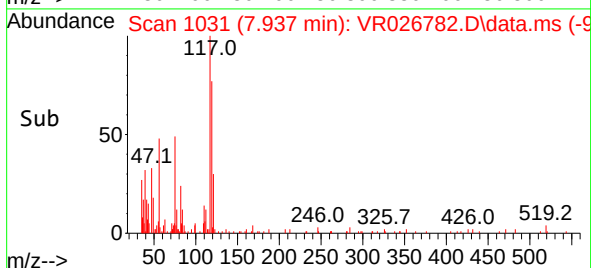
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

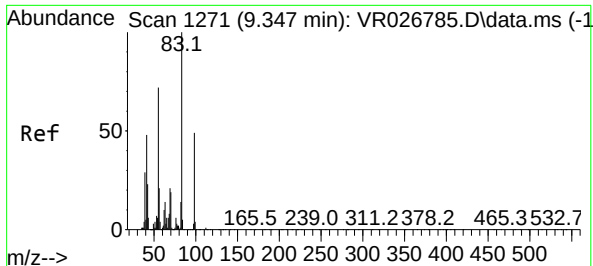


#38
Carbon Tetrachloride
Concen: 4.459 ug/l
RT: 7.937 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion:117 Resp: 51851
Ion Ratio Lower Upper
117 100
119 75.1 74.3 111.5
121 30.3 22.6 33.8





#39

Methylcyclohexane

Concen: 5.175 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.006 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 8114

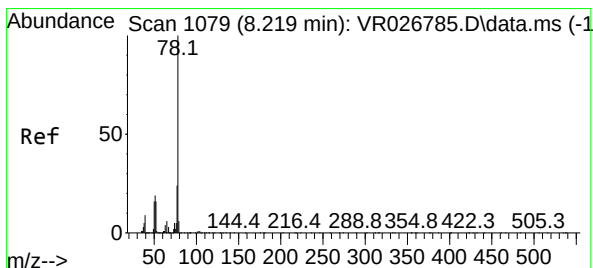
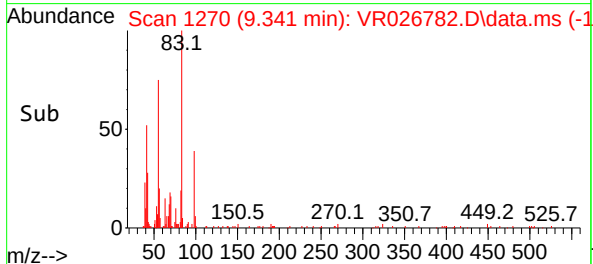
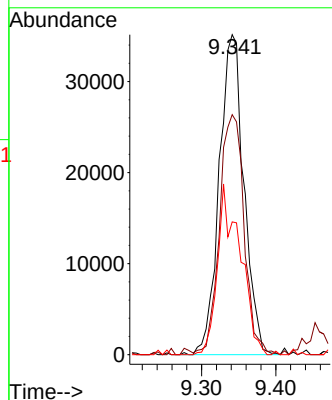
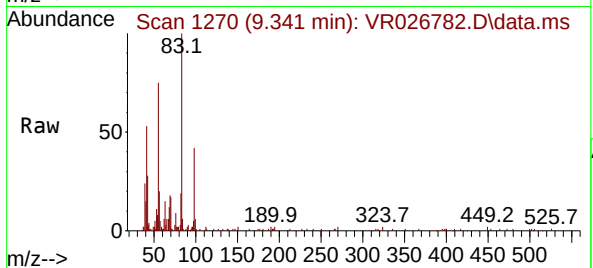
Ion	Ratio	Lower	Upper
83	100		
55	75.0	57.1	85.7
98	41.5	39.4	59.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#40

Benzene

Concen: 4.871 ug/l

RT: 8.219 min Scan# 1079

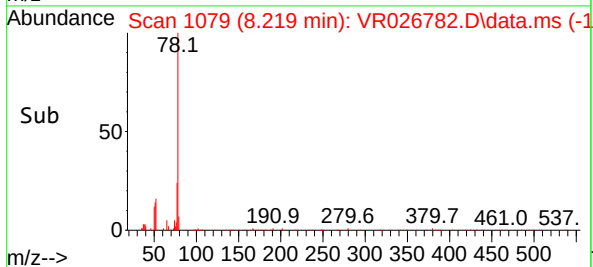
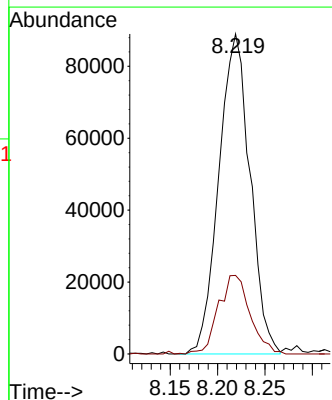
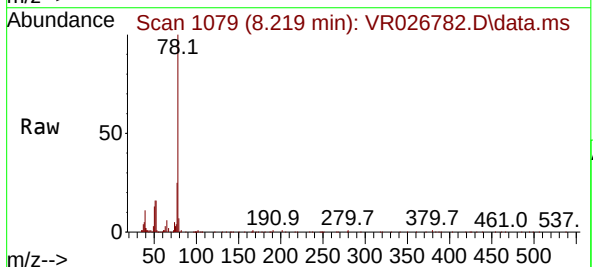
Delta R.T. 0.000 min

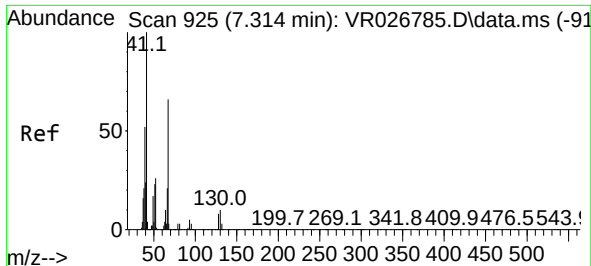
Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Tgt Ion: 78 Resp: 203427

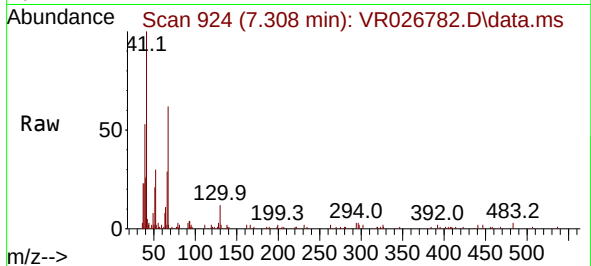
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





#41
Methacrylonitrile
Concen: 5.406 ug/l
RT: 7.308 min Scan# 91
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

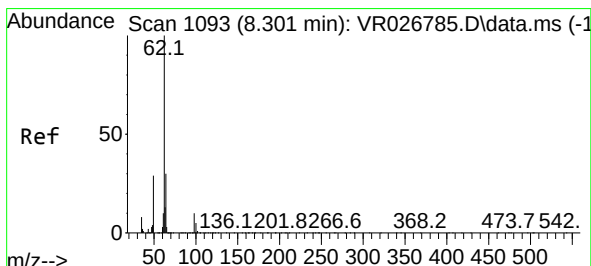
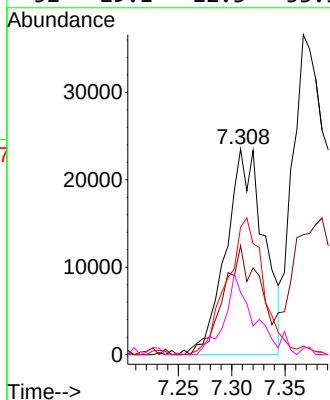
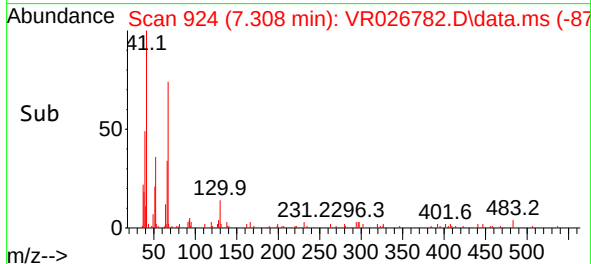
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



Tgt Ion:	41	Resp:	58204
Ion Ratio	Lower	Upper	
41	100		
39	50.5	40.3	60.5
67	65.4	57.3	85.9
52	29.1	22.3	33.5

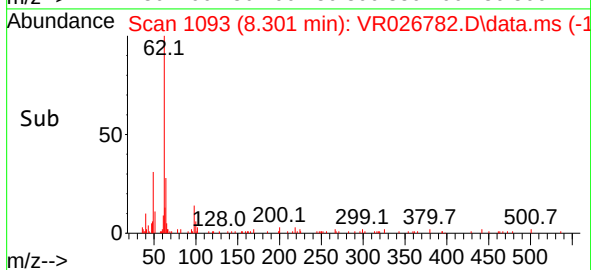
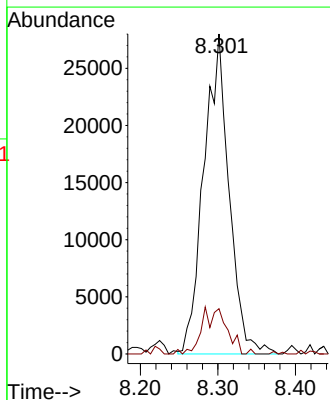
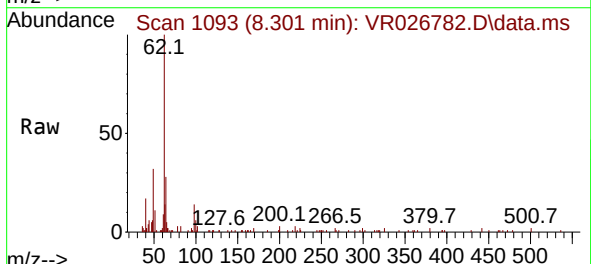
Manual Integrations
APPROVED

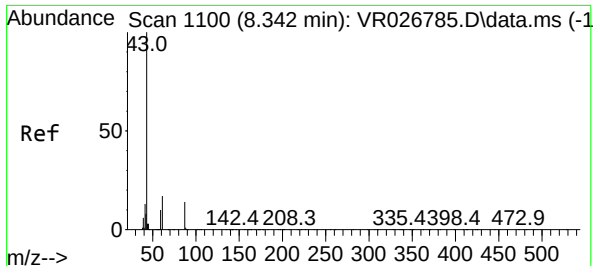
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#42
1,2-Dichloroethane
Concen: 4.629 ug/l
RT: 8.301 min Scan# 1093
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

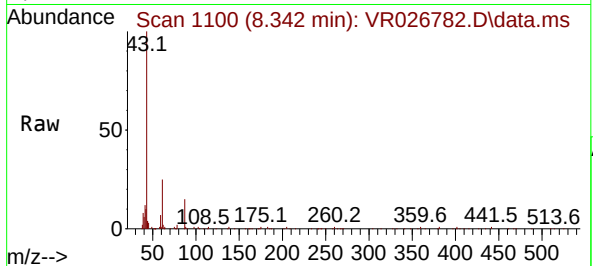
Tgt Ion:	62	Resp:	63354
Ion Ratio	Lower	Upper	
62	100		
98	14.0	0.0	19.4





#43
Isopropyl Acetate
Concen: 4.876 ug/l
RT: 8.342 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

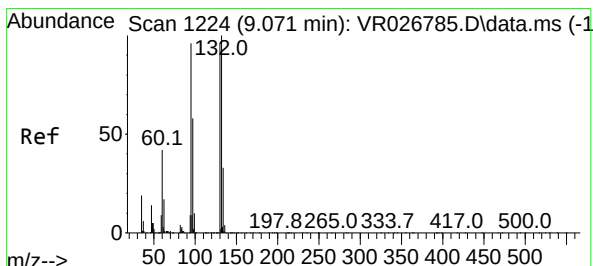
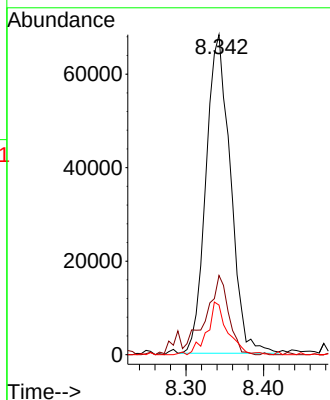
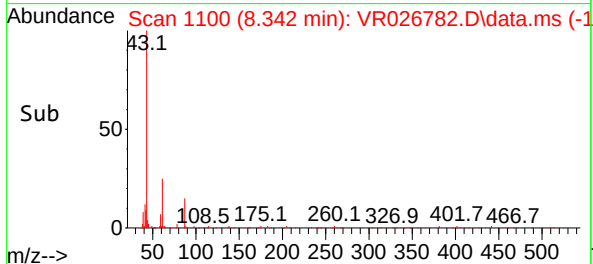
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 149150
Ion Ratio Lower Upper
43 100
61 23.5 20.0 30.0
87 14.0 10.5 15.7

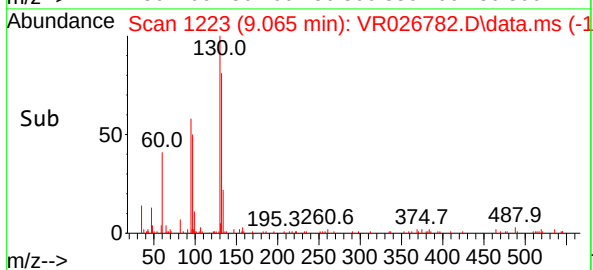
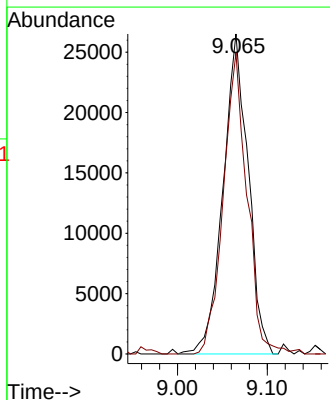
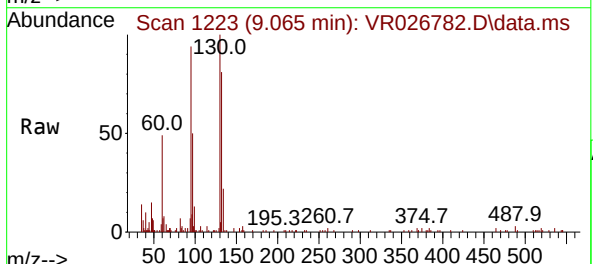
Manual Integrations
APPROVED

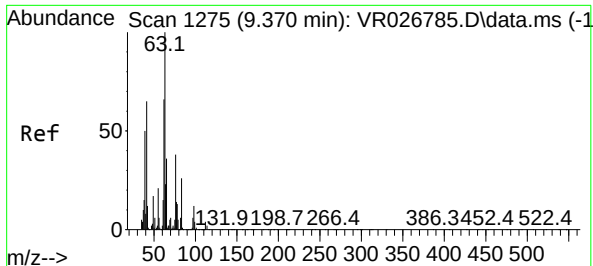
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#44
Trichloroethene
Concen: 5.159 ug/l
RT: 9.065 min Scan# 1223
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion:130 Resp: 51423
Ion Ratio Lower Upper
130 100
95 94.1 0.0 198.6





#45

1,2-Dichloropropane

Concen: 5.219 ug/l

RT: 9.371 min Scan# 1275

Delta R.T. 0.000 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 5692

Ion Ratio Lower Upper

63 100

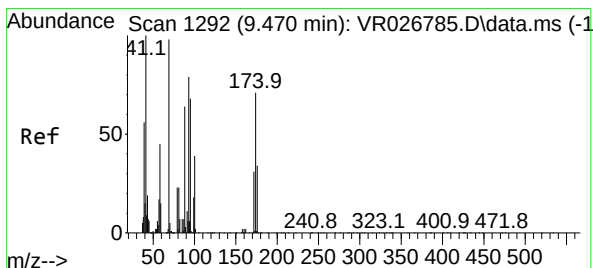
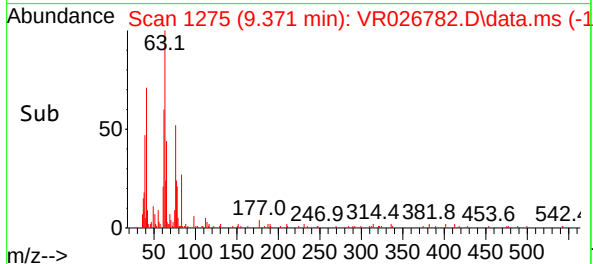
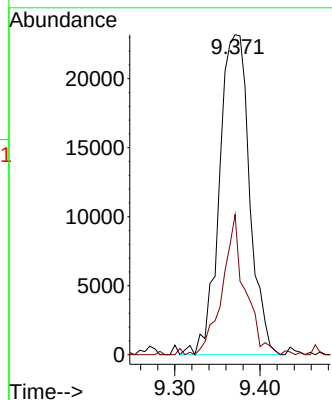
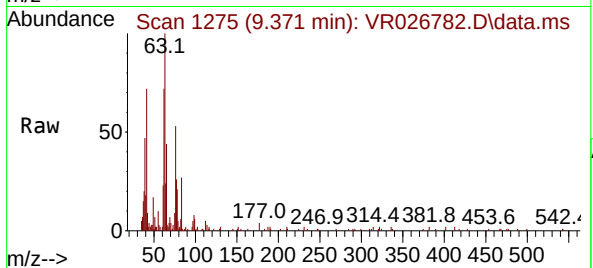
65 43.8 28.6 43.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#46

Dibromomethane

Concen: 5.011 ug/l

RT: 9.470 min Scan# 1292

Delta R.T. 0.000 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

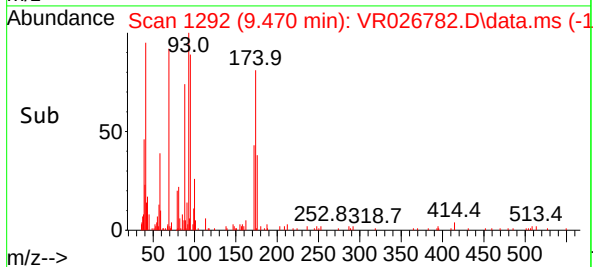
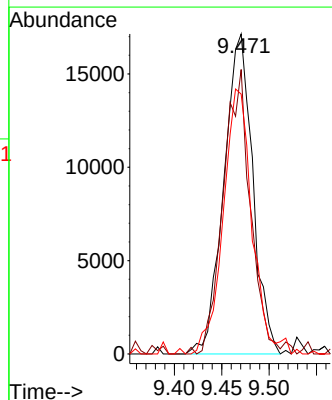
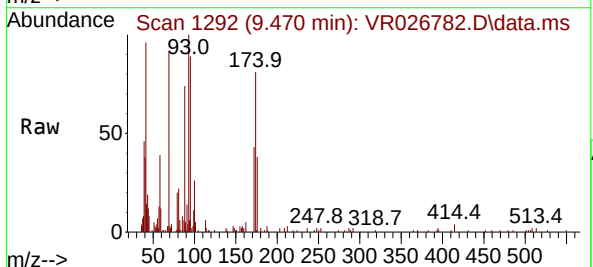
Tgt Ion: 93 Resp: 36272

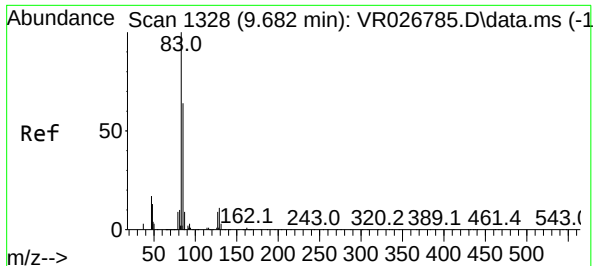
Ion Ratio Lower Upper

93 100

95 85.0 67.0 100.4

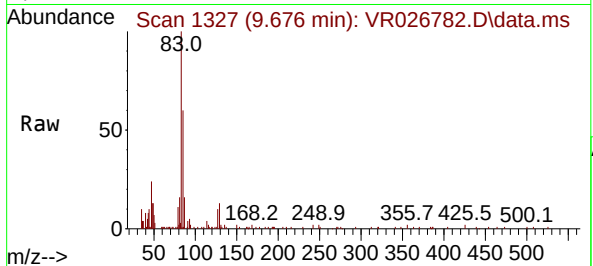
174 83.2 71.1 106.7





#47
Bromodichloromethane
Concen: 4.885 ug/l
RT: 9.676 min Scan# 1327
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

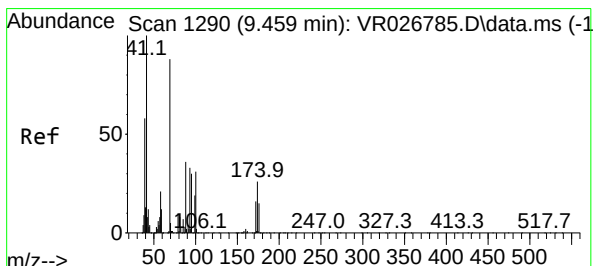
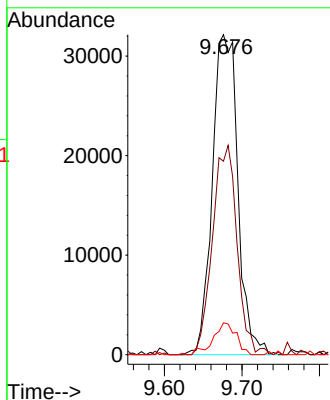
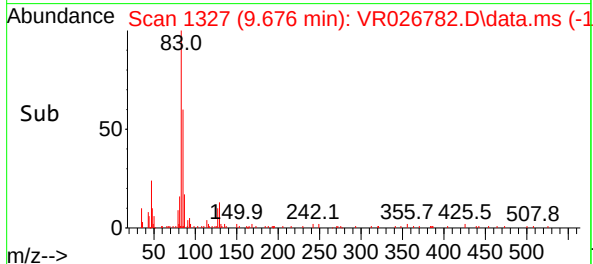
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



Tgt Ion: 83 Resp: 73570
Ion Ratio Lower Upper
83 100
85 60.4 51.0 76.4
127 9.9 6.9 10.3

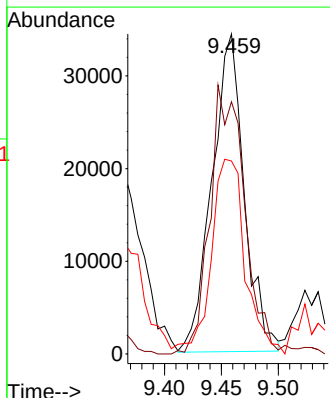
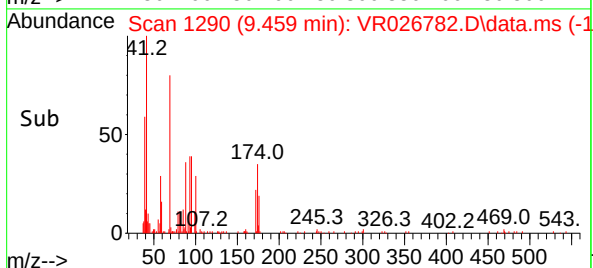
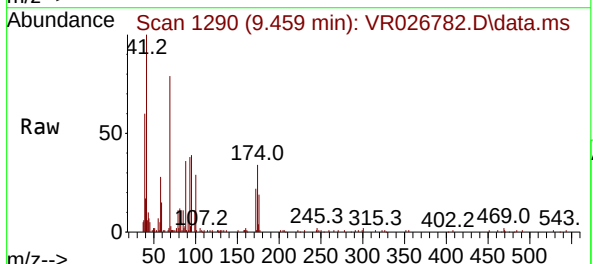
Manual Integrations
APPROVED

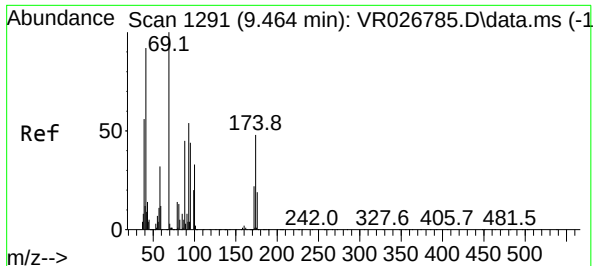
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#48
Methyl methacrylate
Concen: 4.704 ug/l
RT: 9.459 min Scan# 1290
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 41 Resp: 67609
Ion Ratio Lower Upper
41 100
69 91.0 70.2 105.4
39 63.6 48.7 73.1





#49

1,4-Dioxane

Concen: 87.134 ug/l

RT: 9.470 min Scan# 1291

Delta R.T. 0.006 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 2756

Ion Ratio Lower Upper

88 100

43 36.1 23.4 35.2

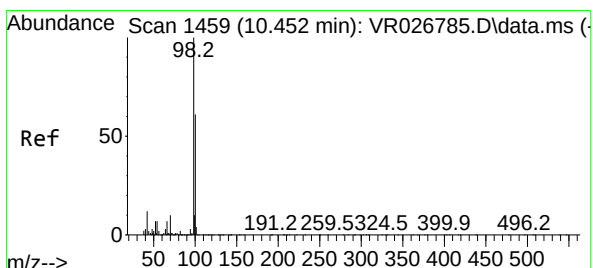
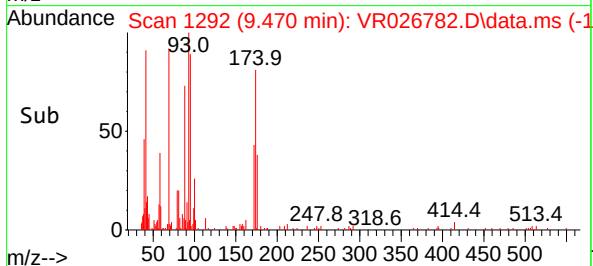
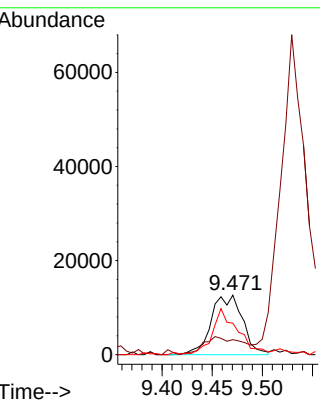
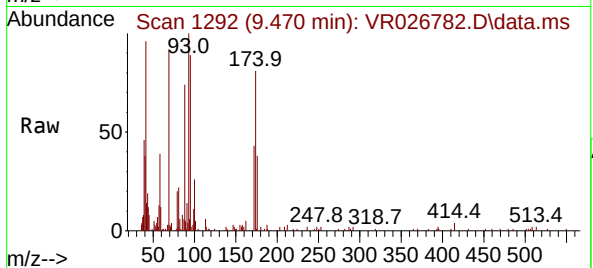
58 62.4 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#50

Toluene-d8

Concen: 5.638 ug/l

RT: 10.446 min Scan# 1458

Delta R.T. -0.006 min

Lab File: VR026782.D

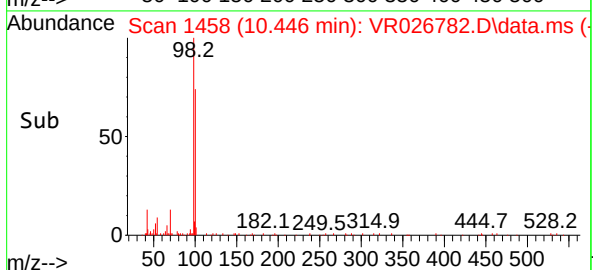
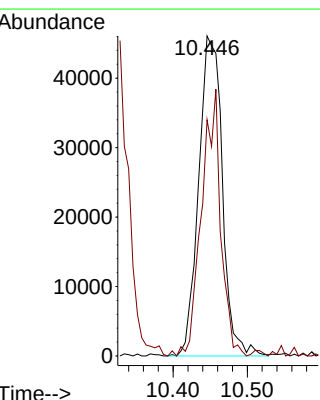
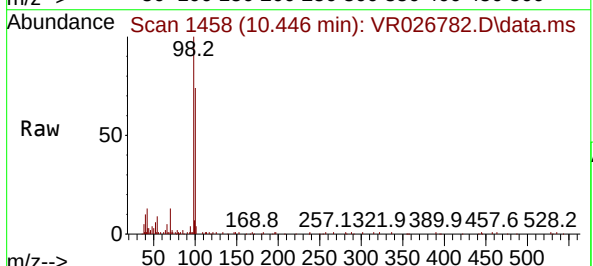
Acq: 22 Oct 2025 12:09

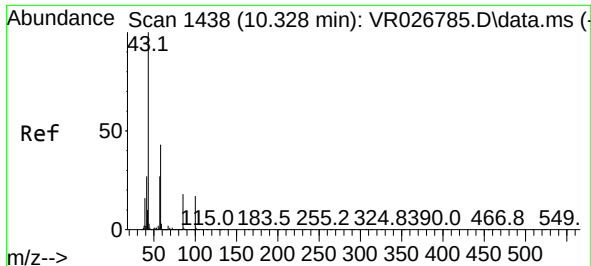
Tgt Ion: 98 Resp: 102087

Ion Ratio Lower Upper

98 100

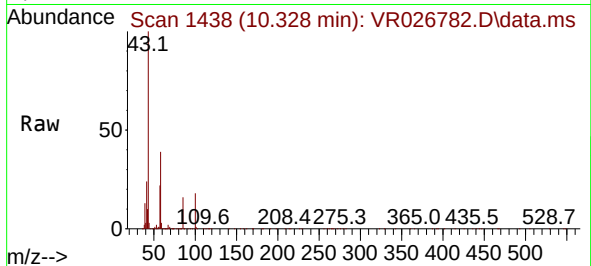
100 67.5 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 25.614 ug/l
RT: 10.328 min Scan# 1438
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

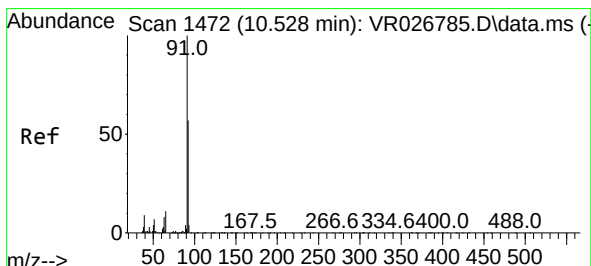
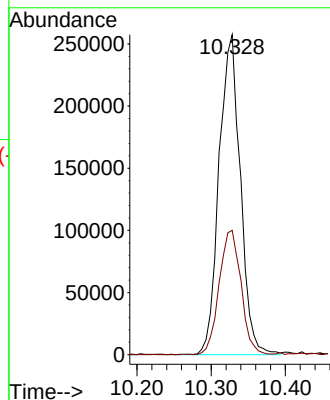
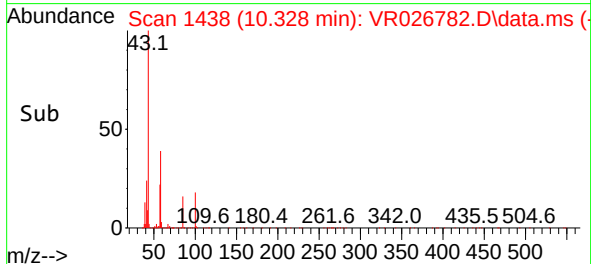
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



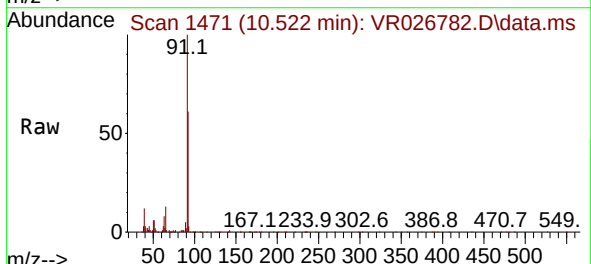
Tgt Ion: 43 Resp: 51372
Ion Ratio Lower Upper
43 100
58 39.8 33.1 49.7

Manual Integrations
APPROVED

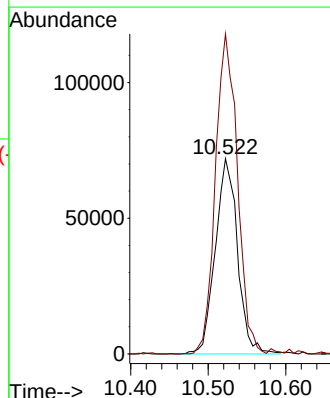
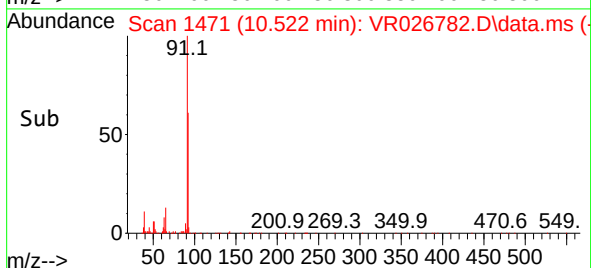
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

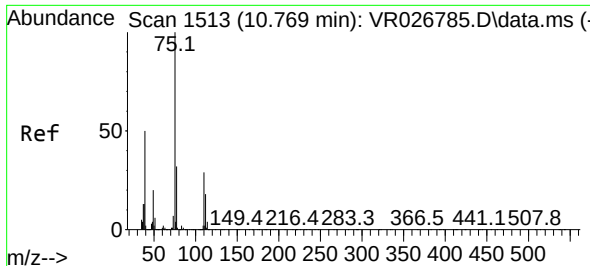


#52
Toluene
Concen: 5.093 ug/l
RT: 10.522 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion: 92 Resp: 143310
Ion Ratio Lower Upper
92 100
91 162.1 139.6 209.4





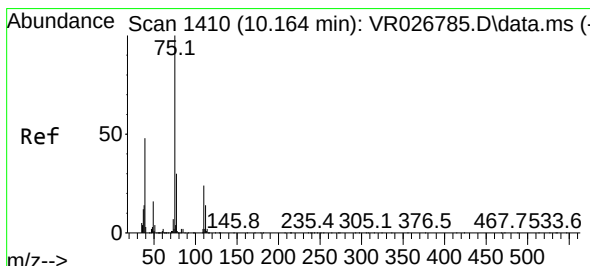
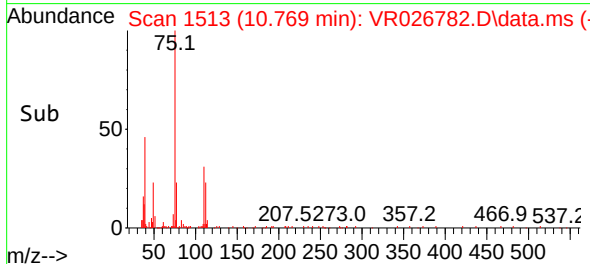
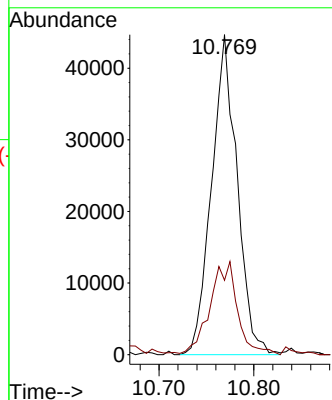
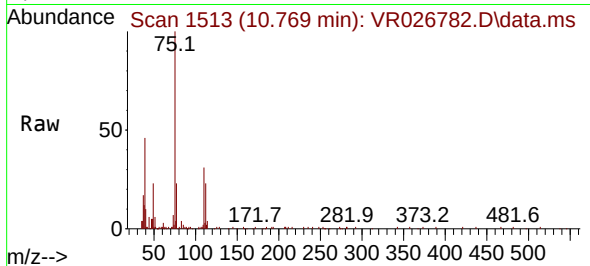
#53
t-1,3-Dichloropropene
Concen: 4.864 ug/l
RT: 10.769 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 83590
Ion Ratio Lower Upper
75 100
77 23.3 25.4 38.2

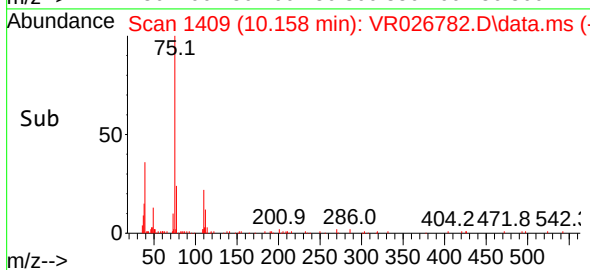
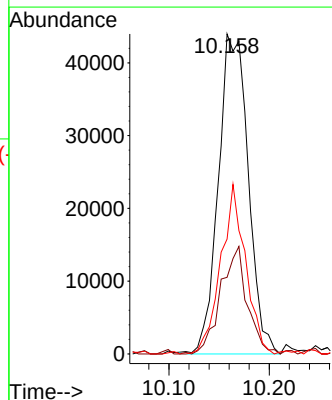
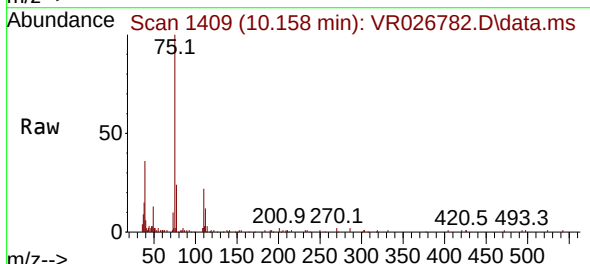
Manual Integrations
APPROVED

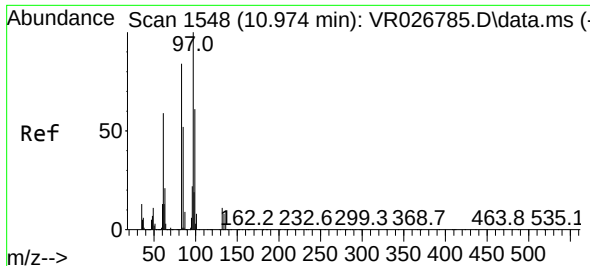
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#54
cis-1,3-Dichloropropene
Concen: 5.080 ug/l
RT: 10.158 min Scan# 1409
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

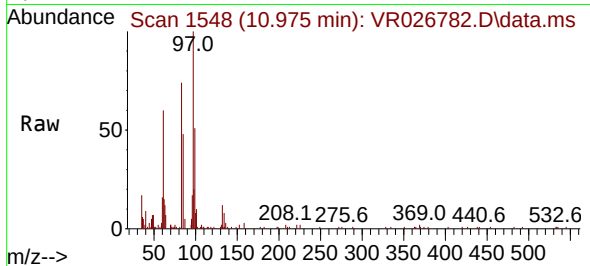
Tgt Ion: 75 Resp: 90815
Ion Ratio Lower Upper
75 100
77 24.0 23.7 35.5
39 35.9 38.6 58.0





#55
1,1,2-Trichloroethane
Concen: 4.945 ug/l
RT: 10.975 min Scan# 1548
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

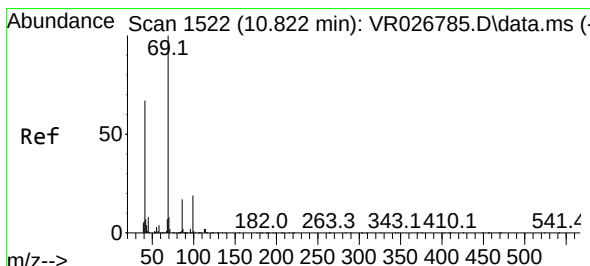
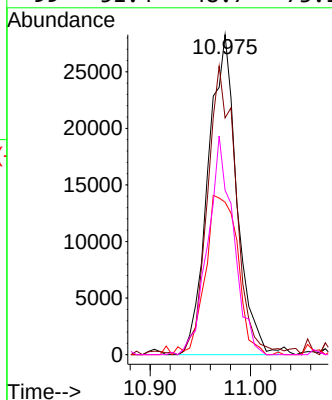
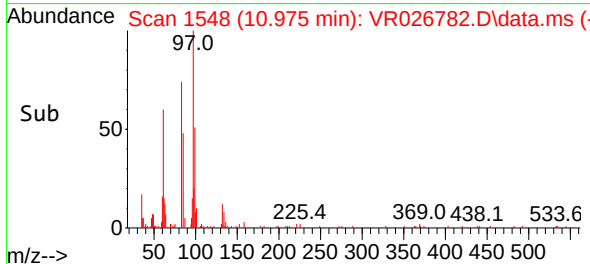
Instrument : MSVOA_R
ClientSampleId : VSTDIC005



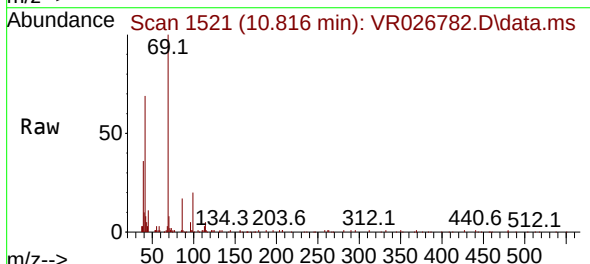
Tgt Ion:	97	Resp:	5620
Ion Ratio	100	Lower	Upper
97	100		
83	74.0	67.0	100.6
85	46.8	41.8	62.8
99	51.4	48.7	73.1

Manual Integrations
APPROVED

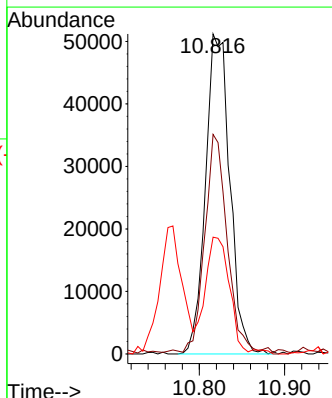
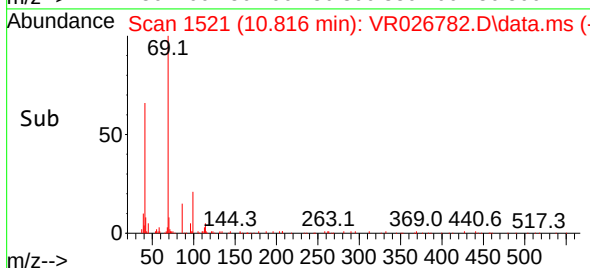
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

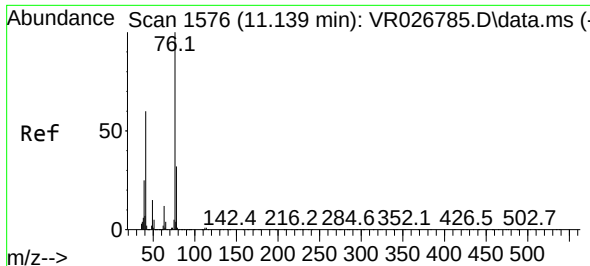


#56
Ethyl methacrylate
Concen: 4.811 ug/l
RT: 10.816 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion:	69	Resp:	101242
Ion Ratio	100	Lower	Upper
69	100		
41	62.7	52.7	79.1
39	35.4	30.6	46.0





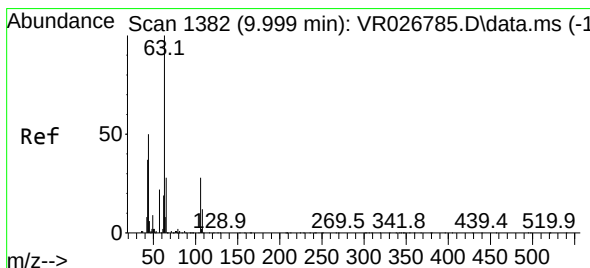
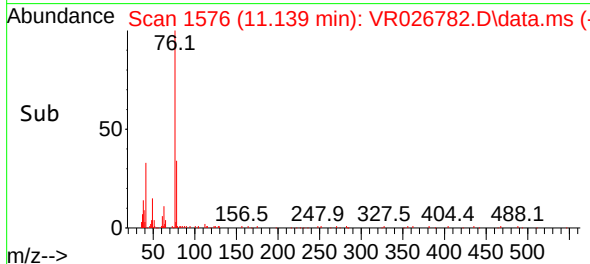
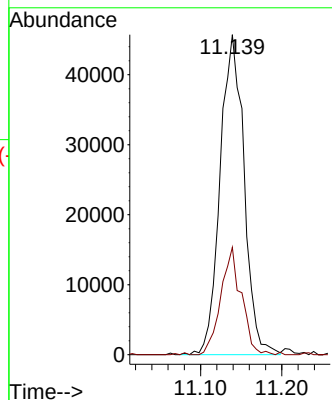
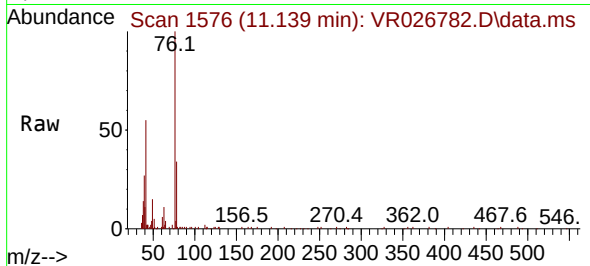
#57
 1,3-Dichloropropane
 Concen: 4.906 ug/l
 RT: 11.139 min Scan# 1576
 Delta R.T. 0.000 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 9354
 Ion Ratio Lower Upper
 76 100
 78 28.8 26.7 40.1

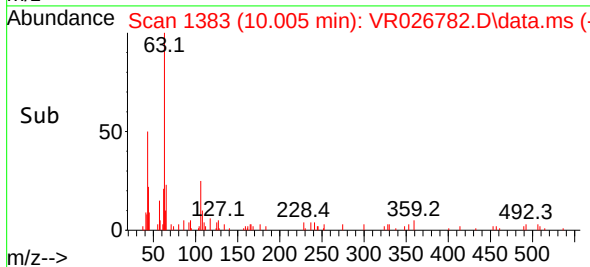
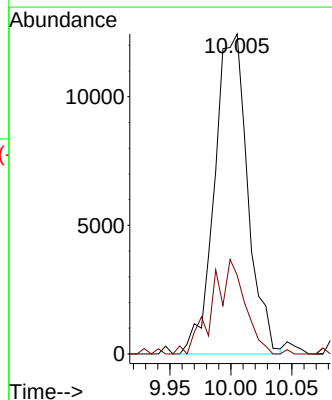
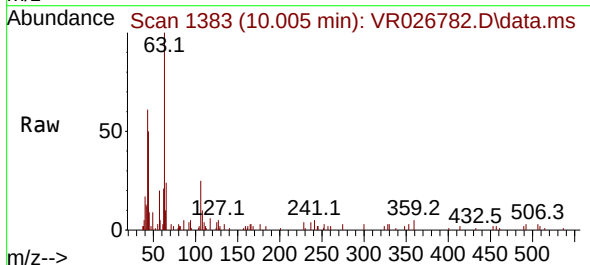
Manual Integrations
 APPROVED

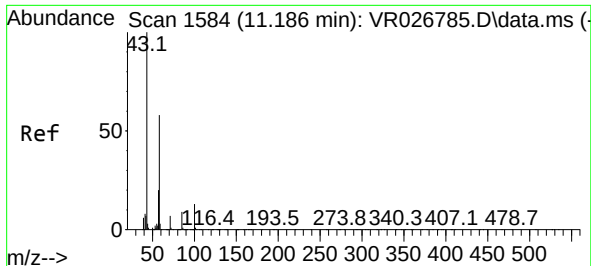
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025



#58
 2-Chloroethyl Vinyl ether
 Concen: 39.125 ug/l
 RT: 10.005 min Scan# 1383
 Delta R.T. 0.006 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

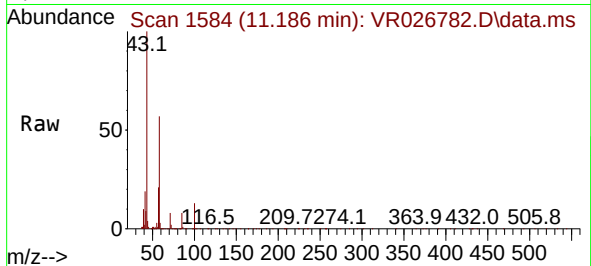
Tgt Ion: 63 Resp: 23539
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.0 34.4





#59
2-Hexanone
Concen: 28.957 ug/l
RT: 11.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

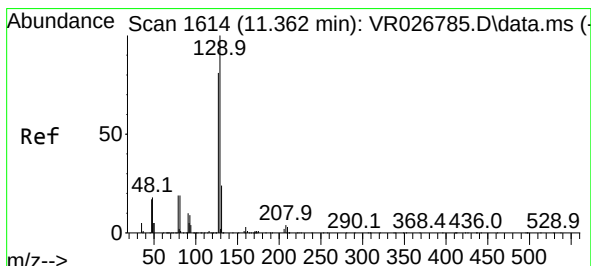
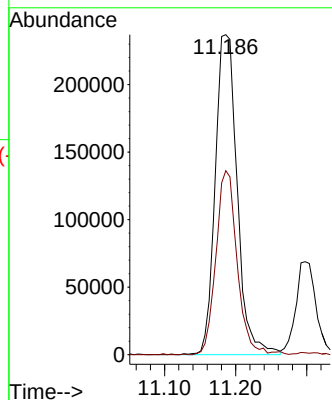
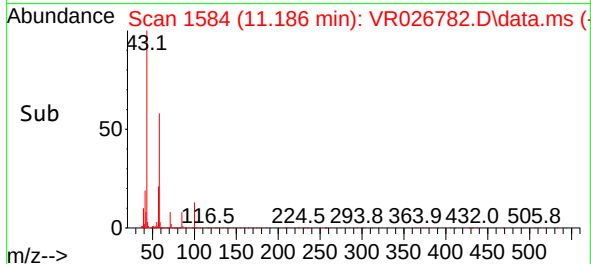
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



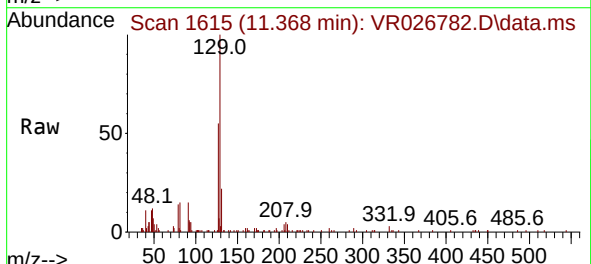
Tgt Ion: 43 Resp: 507879
Ion Ratio Lower Upper
43 100
58 55.2 28.4 85.2

Manual Integrations
APPROVED

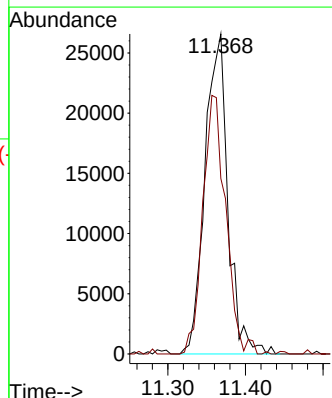
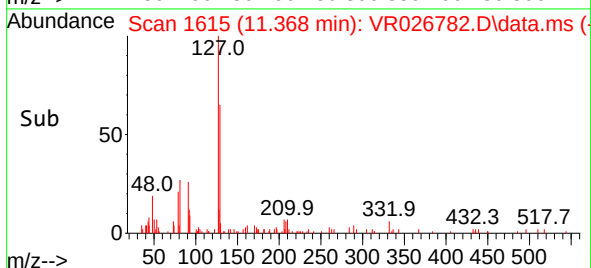
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

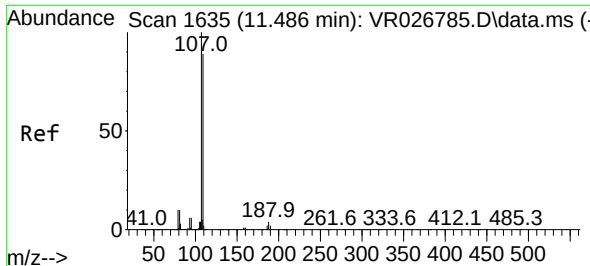


#60
Dibromochloromethane
Concen: 4.710 ug/l
RT: 11.368 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion:129 Resp: 54738
Ion Ratio Lower Upper
129 100
127 80.7 39.5 118.3





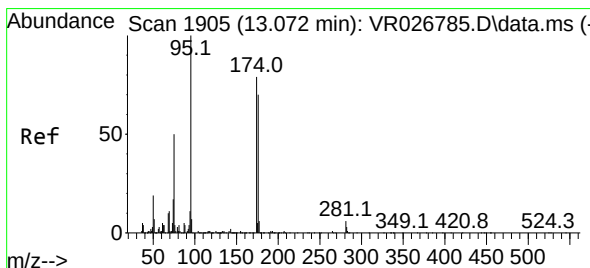
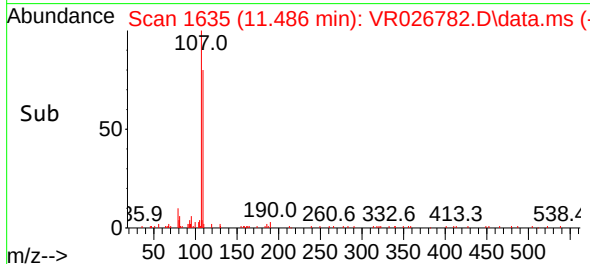
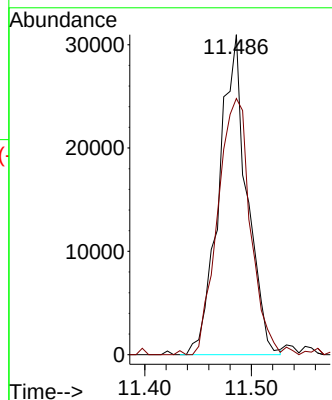
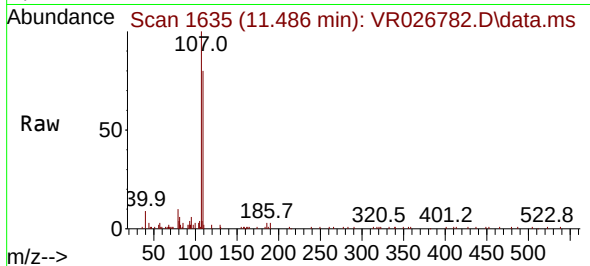
#61
1,2-Dibromoethane
Concen: 4.993 ug/l
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 56458
Ion Ratio Lower Upper
107 100
109 93.8 73.9 110.9

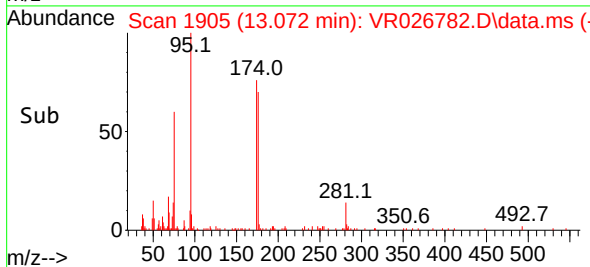
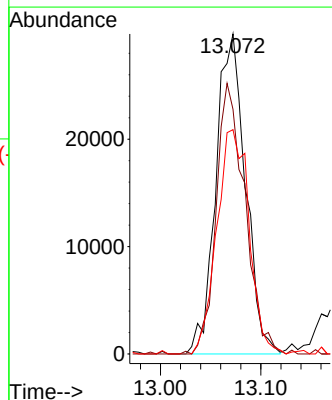
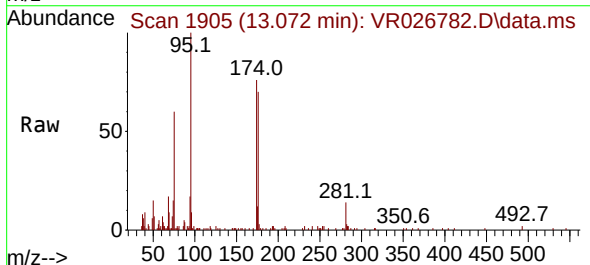
Manual Integrations
APPROVED

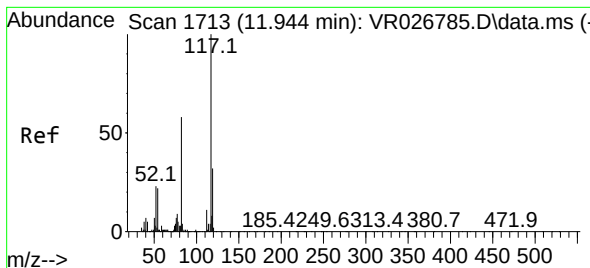
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#62
4-Bromofluorobenzene
Concen: 5.112 ug/l
RT: 13.072 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 95 Resp: 60959
Ion Ratio Lower Upper
95 100
174 82.0 0.0 150.0
176 76.2 0.0 149.8





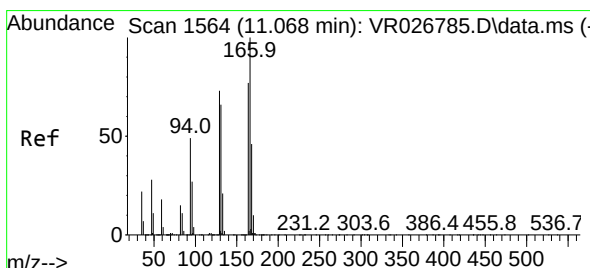
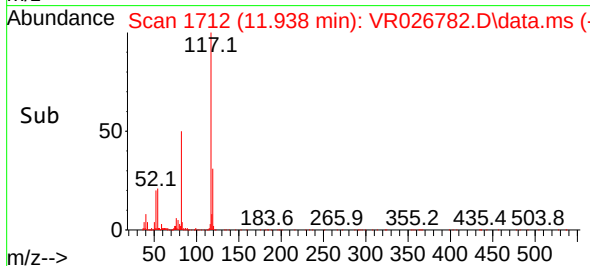
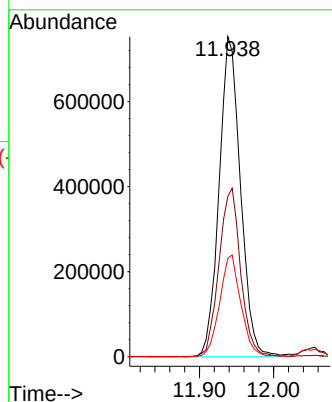
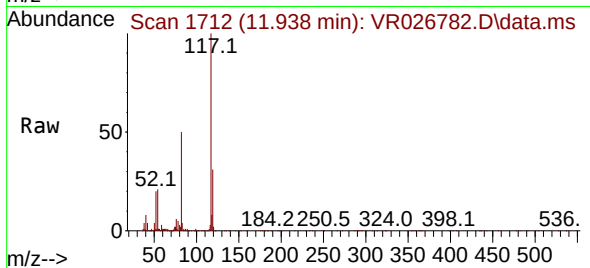
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.938 min Scan# 1712
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 1504049
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.2
119 30.8 25.4 38.2

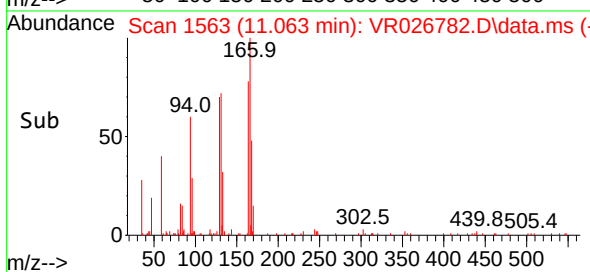
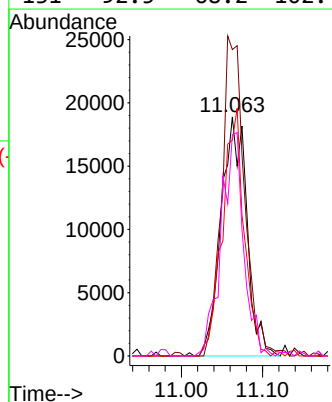
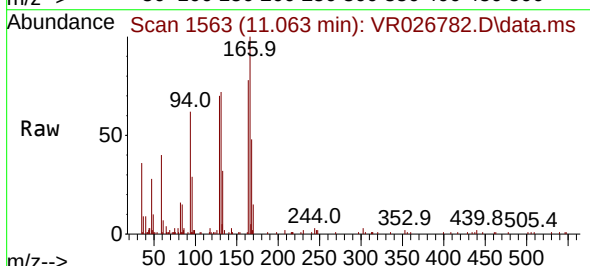
Manual Integrations
APPROVED

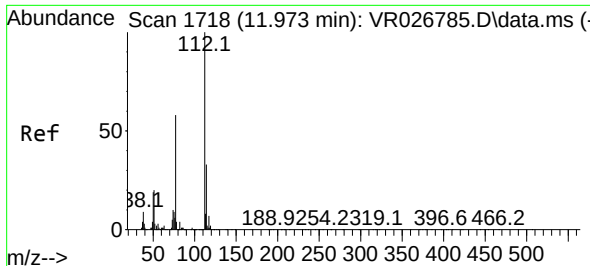
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#64
Tetrachloroethene
Concen: 5.240 ug/l
RT: 11.063 min Scan# 1563
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

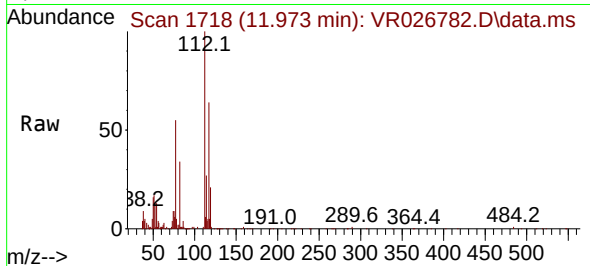
Tgt Ion:164 Resp: 41391
Ion Ratio Lower Upper
164 100
166 126.8 103.8 155.8
129 90.3 76.0 114.0
131 92.5 68.2 102.4





#65
Chlorobenzene
Concen: 5.259 ug/l
RT: 11.973 min Scan# 1718
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

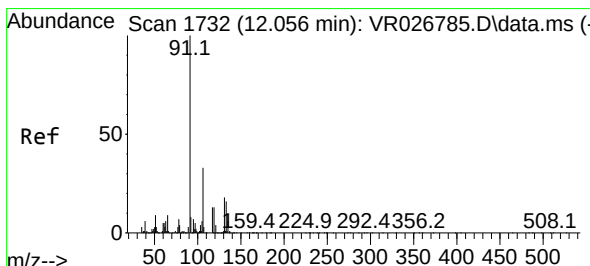
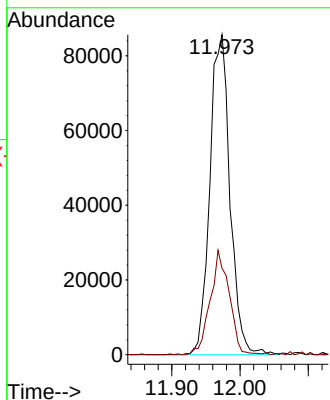
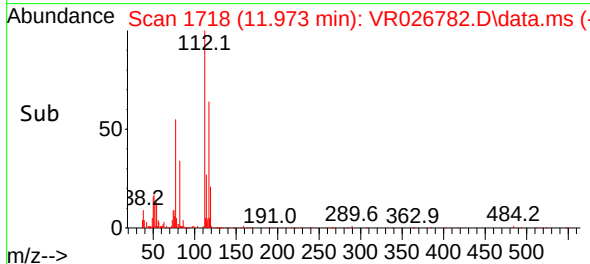
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



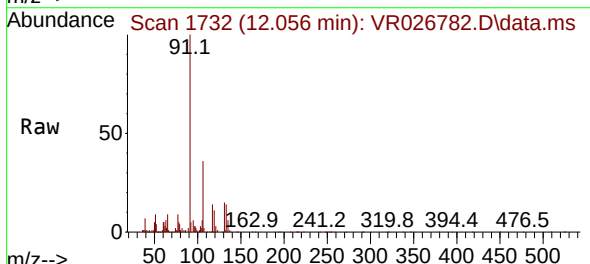
Tgt Ion:112 Resp: 175990
Ion Ratio Lower Upper
112 100
114 26.7 26.2 39.2

Manual Integrations
APPROVED

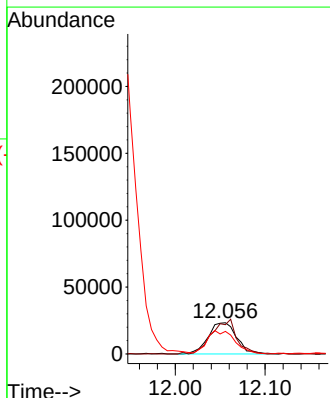
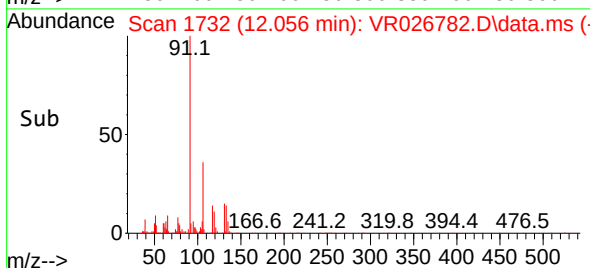
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

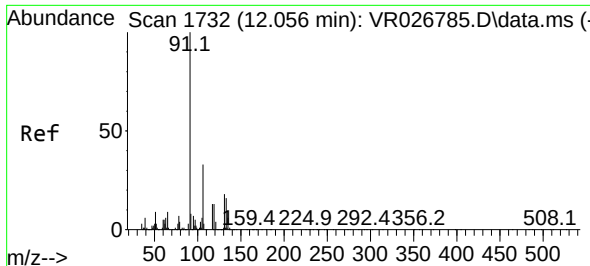


#66
1,1,1,2-Tetrachloroethane
Concen: 4.974 ug/l
RT: 12.056 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



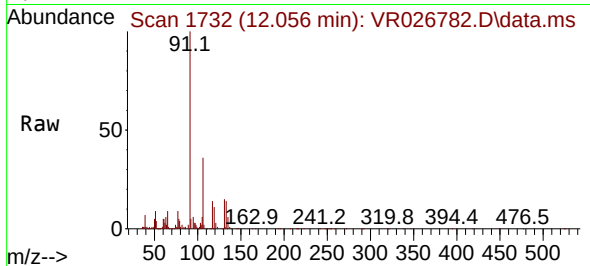
Tgt Ion:131 Resp: 51330
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.9
119 72.9 33.9 101.7





#67
Ethyl Benzene
Concen: 5.364 ug/l
RT: 12.056 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

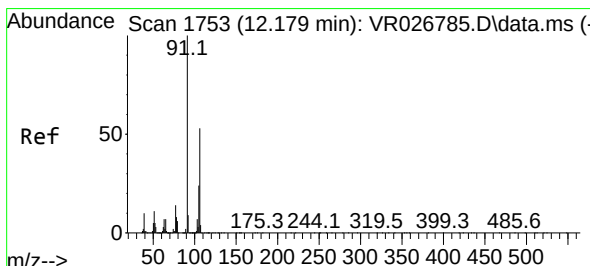
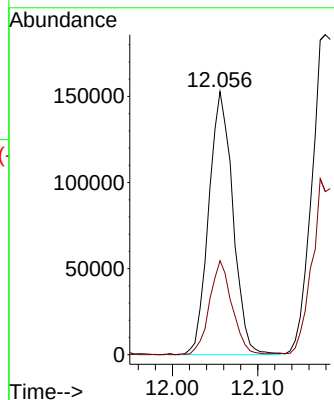
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



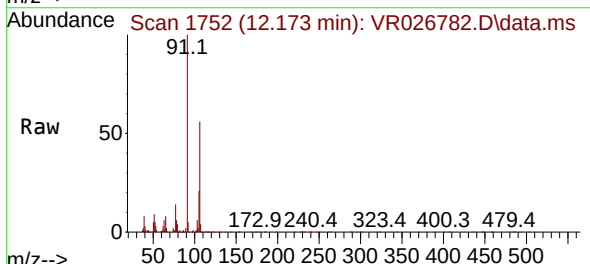
Tgt Ion: 91 Resp: 300434
Ion Ratio Lower Upper
91 100
106 35.4 26.8 40.2

Manual Integrations
APPROVED

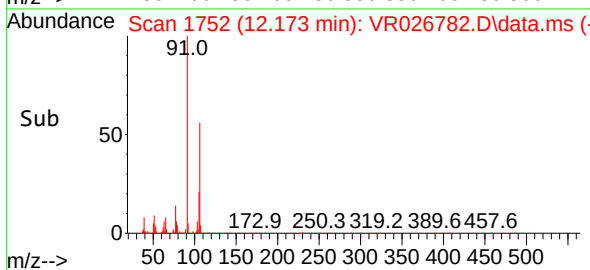
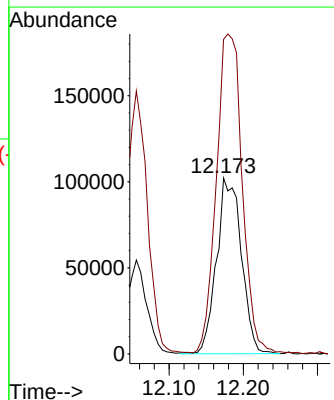
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

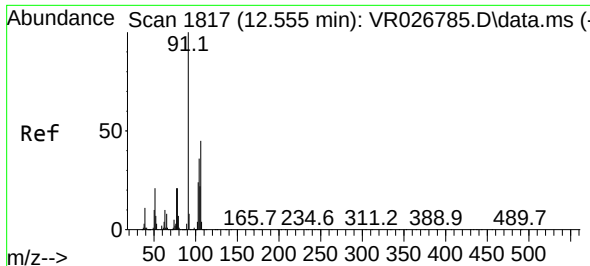


#68
m/p-Xylenes
Concen: 10.765 ug/l
RT: 12.173 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion:106 Resp: 236625
Ion Ratio Lower Upper
106 100
91 190.9 153.7 230.5





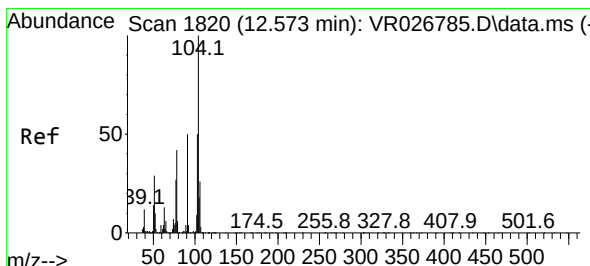
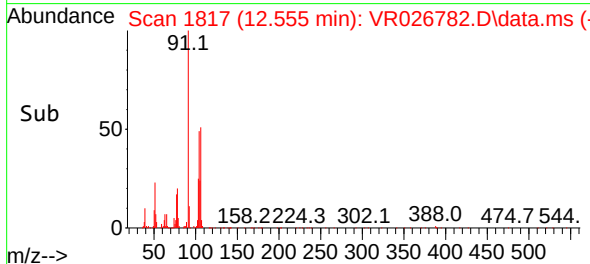
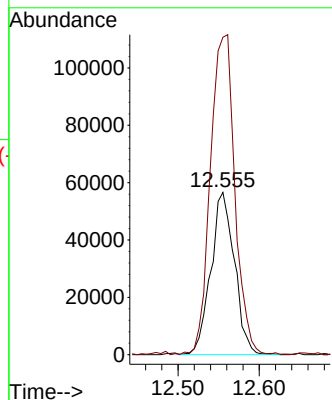
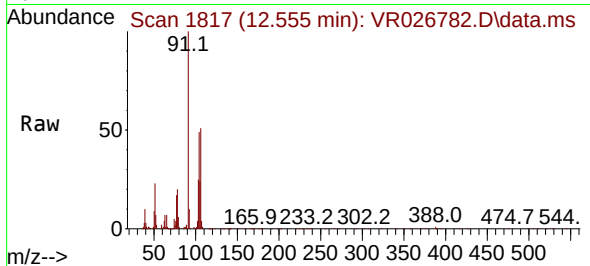
#69
o-Xylene
Concen: 5.187 ug/l
RT: 12.555 min Scan# 1817
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11425
Ion Ratio Lower Upper
106 100
91 203.7 104.0 312.0

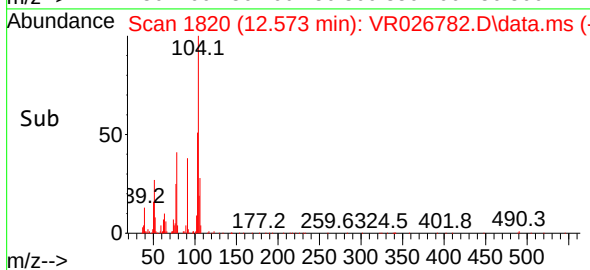
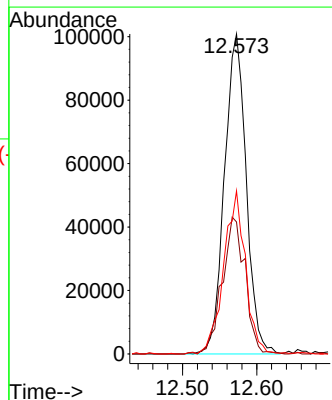
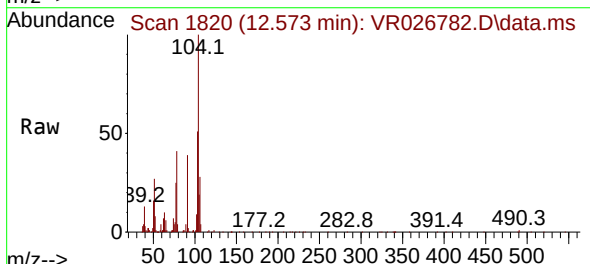
Manual Integrations
APPROVED

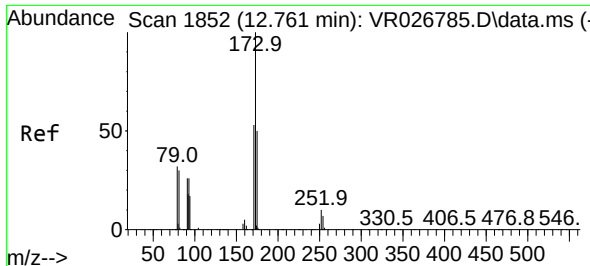
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#70
Styrene
Concen: 5.102 ug/l
RT: 12.573 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

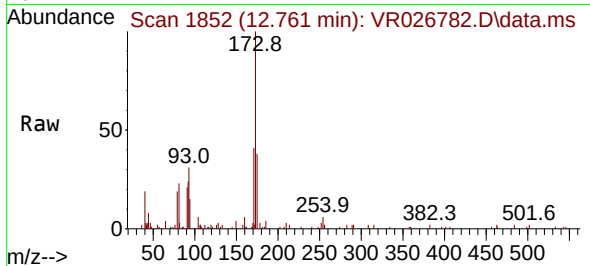
Tgt Ion:104 Resp: 205595
Ion Ratio Lower Upper
104 100
78 45.0 38.0 57.0
103 51.0 43.2 64.8





#71
Bromoform
Concen: 4.457 ug/l
RT: 12.761 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

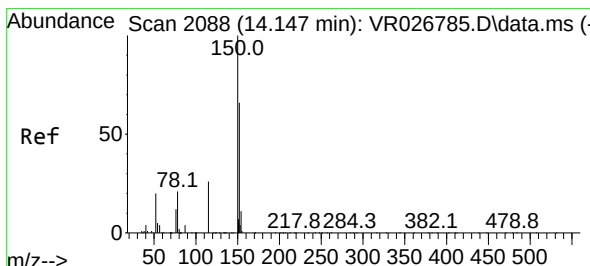
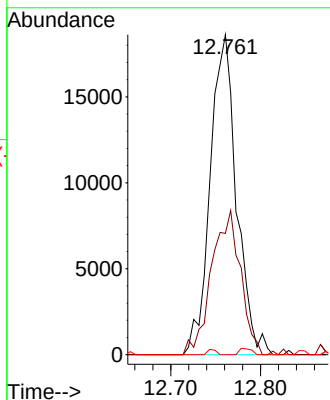
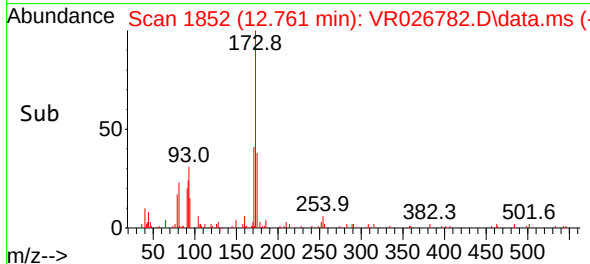
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



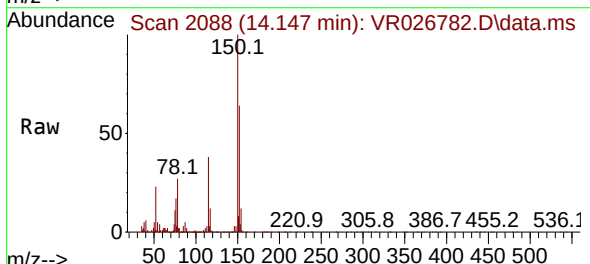
Tgt Ion:173 Resp: 37970
Ion Ratio Lower Upper
173 100
175 49.2 24.0 72.0
254 0.9 0.0 0.0

Manual Integrations
APPROVED

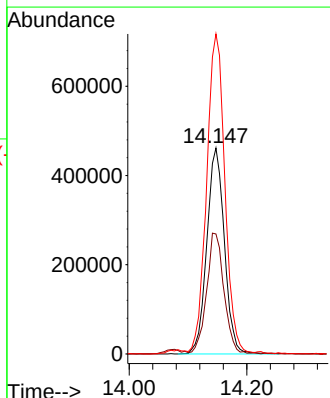
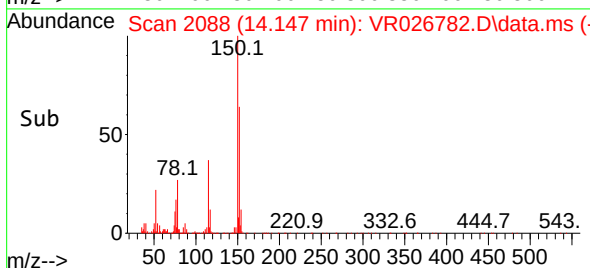
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

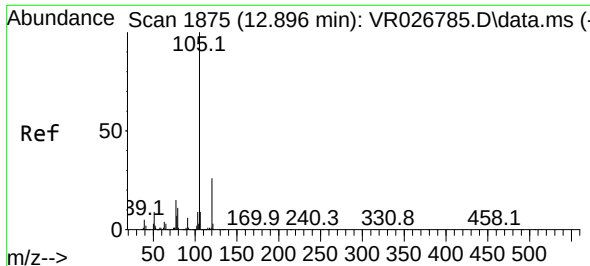


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.147 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



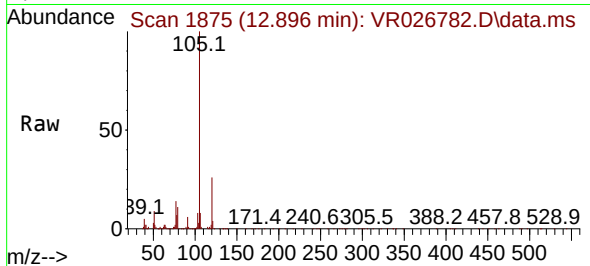
Tgt Ion:152 Resp: 958873
Ion Ratio Lower Upper
152 100
115 57.8 29.9 89.7
150 159.0 0.0 340.0





#73
Isopropylbenzene
Concen: 5.252 ug/l
RT: 12.896 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

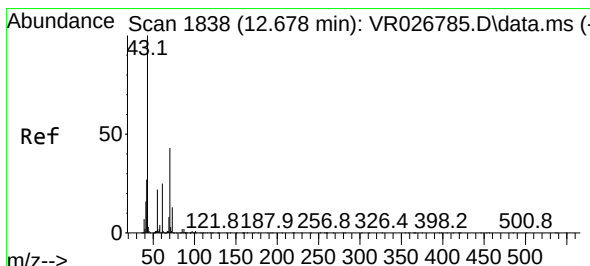
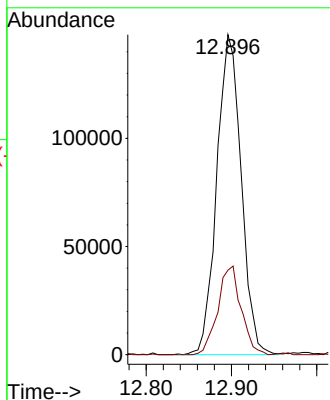
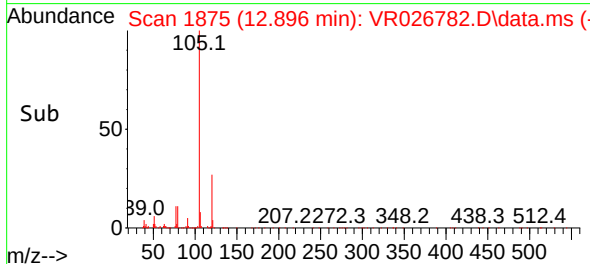
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005



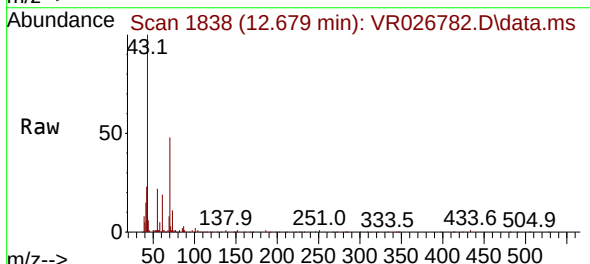
Tgt Ion:105 Resp: 294197
Ion Ratio Lower Upper
105 100
120 26.5 13.6 40.8

Manual Integrations
APPROVED

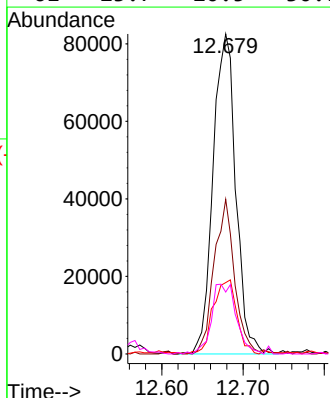
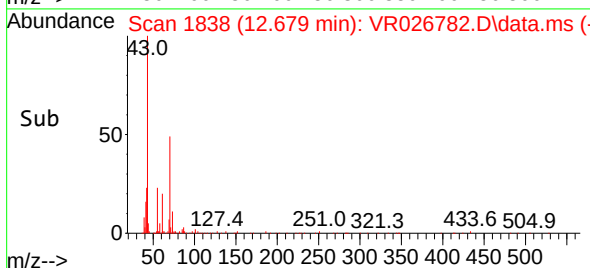
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

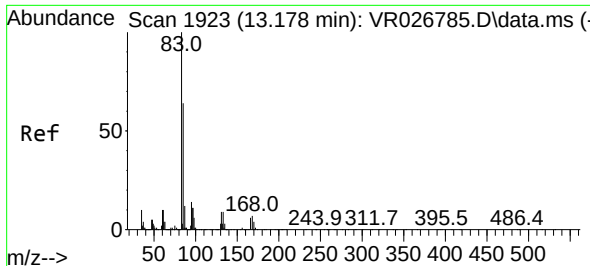


#74
N-ethyl acetate
Concen: 5.157 ug/l
RT: 12.679 min Scan# 1838
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



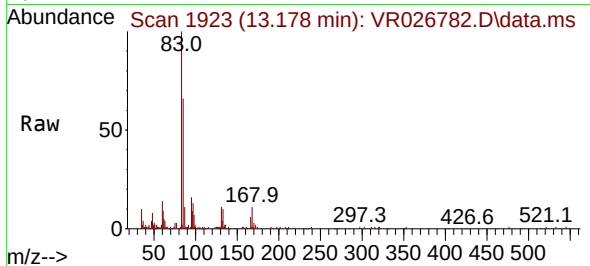
Tgt Ion: 43 Resp: 161046
Ion Ratio Lower Upper
43 100
70 43.7 35.2 52.8
55 24.0 17.8 26.6
61 23.7 20.5 30.7





#75
1,1,2,2-Tetrachloroethane
Concen: 4.880 ug/l
RT: 13.178 min Scan# 1923
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

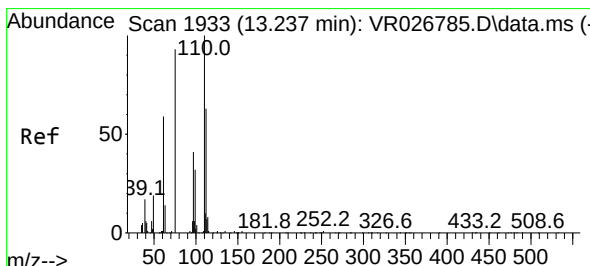
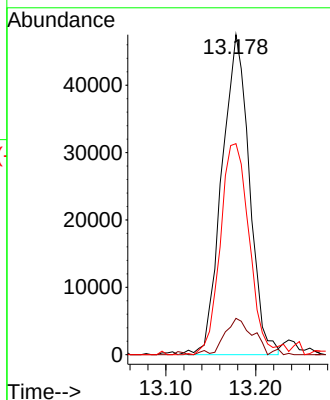
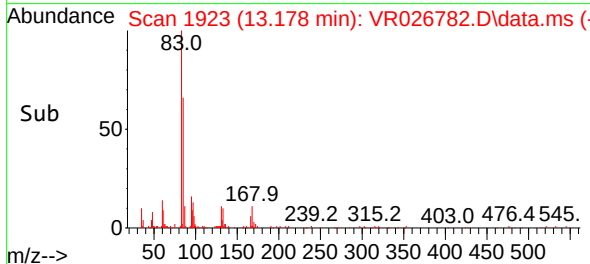
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



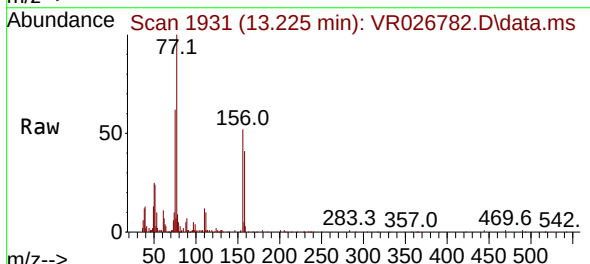
Tgt Ion: 83 Resp: 101109
Ion Ratio Lower Upper
83 100
131 11.6 4.4 13.2
85 69.6 32.4 97.0

Manual Integrations
APPROVED

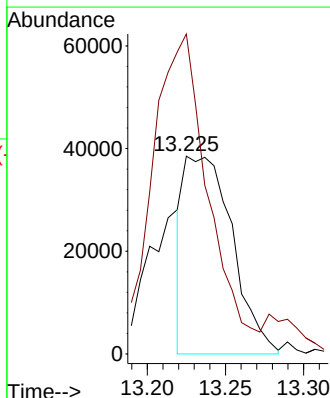
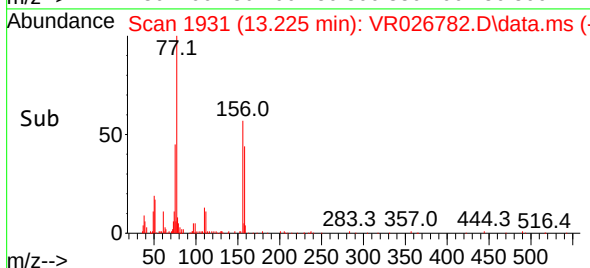
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

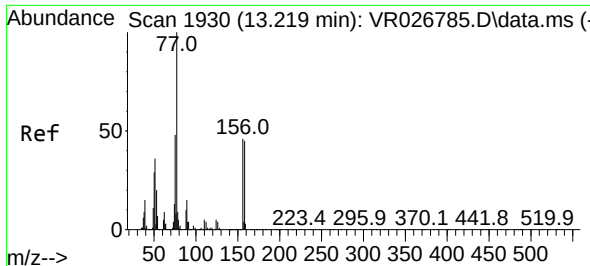


#76
1,2,3-Trichloropropane
Concen: 4.756 ug/l m
RT: 13.225 min Scan# 1931
Delta R.T. -0.012 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion: 75 Resp: 82615
Ion Ratio Lower Upper
75 100
77 187.6 87.9 263.7





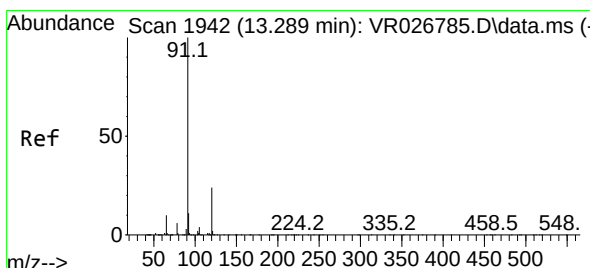
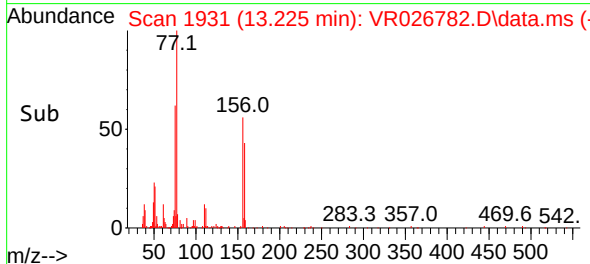
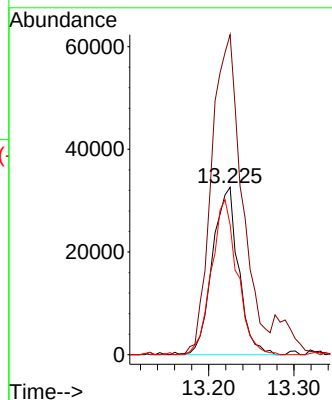
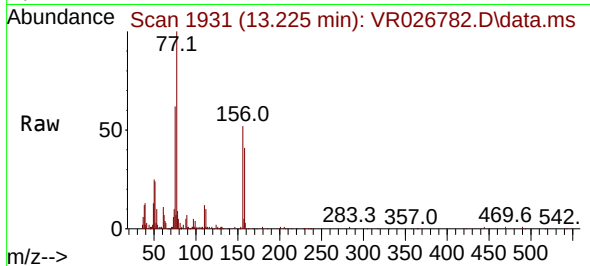
#77
Bromobenzene
Concen: 5.042 ug/l
RT: 13.225 min Scan# 1931
Delta R.T. 0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 68952
Ion Ratio Lower Upper
156 100
77 224.8 120.5 361.5
158 92.1 49.6 148.8

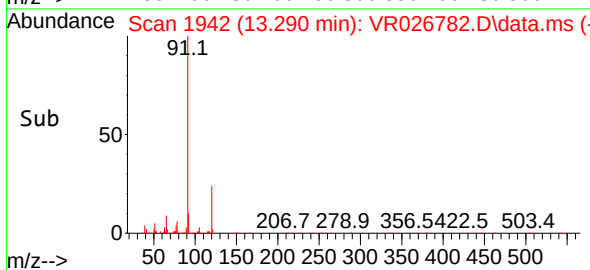
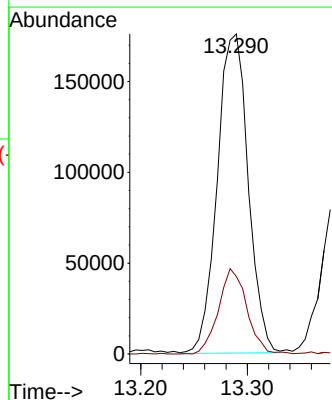
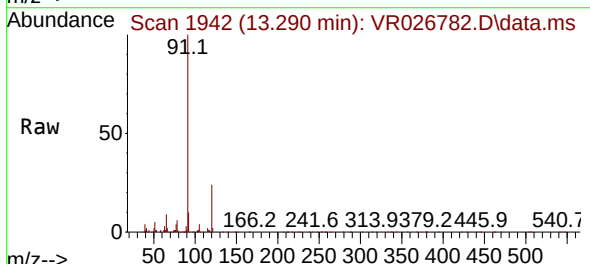
Manual Integrations
APPROVED

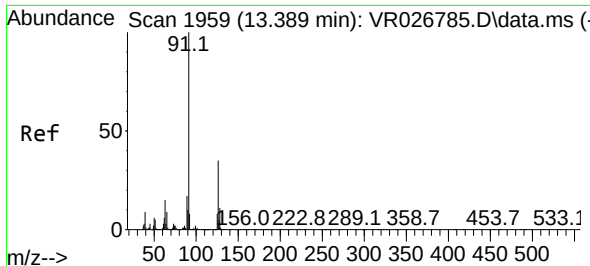
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#78
n-propylbenzene
Concen: 5.122 ug/l
RT: 13.290 min Scan# 1942
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

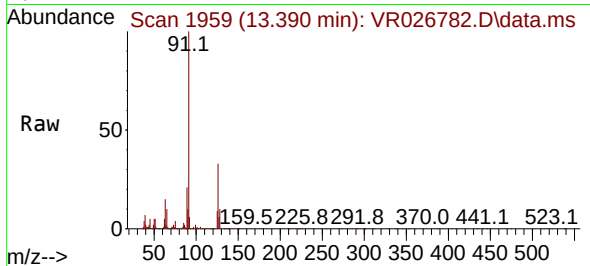
Tgt Ion: 91 Resp: 354062
Ion Ratio Lower Upper
91 100
120 24.5 11.7 35.1





#79
2-Chlorotoluene
Concen: 4.931 ug/l
RT: 13.390 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

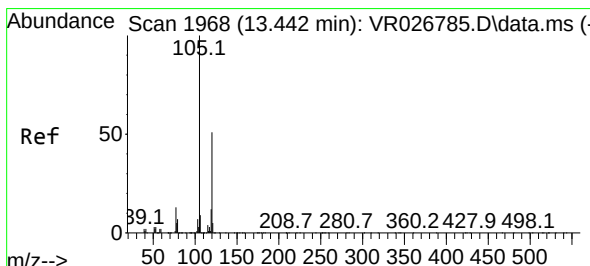
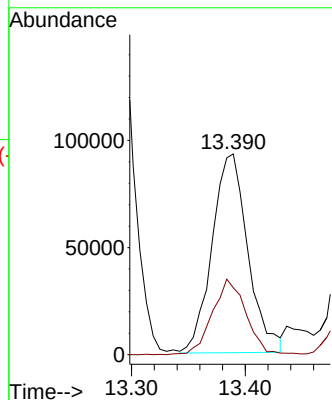
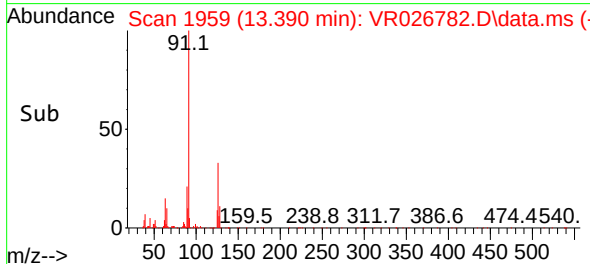
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005



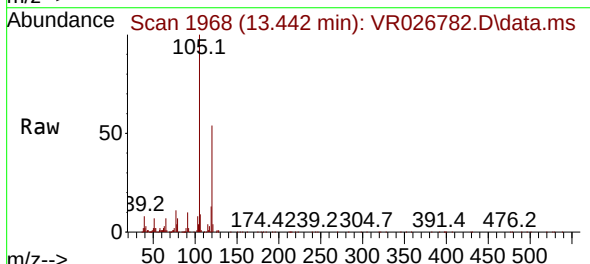
Tgt Ion: 91 Resp: 203428
Ion Ratio Lower Upper
91 100
126 35.7 17.2 51.5

Manual Integrations
APPROVED

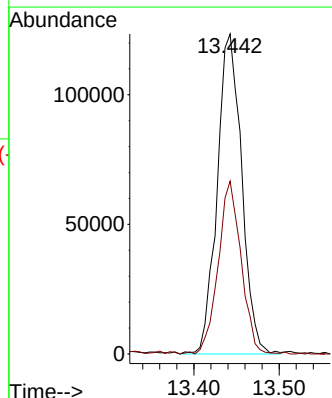
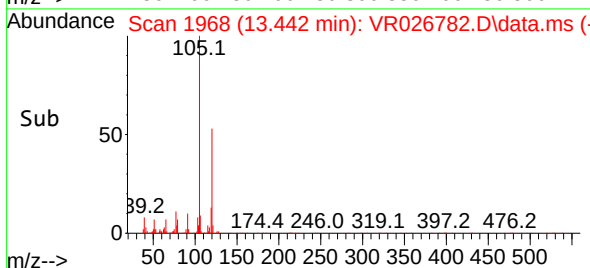
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

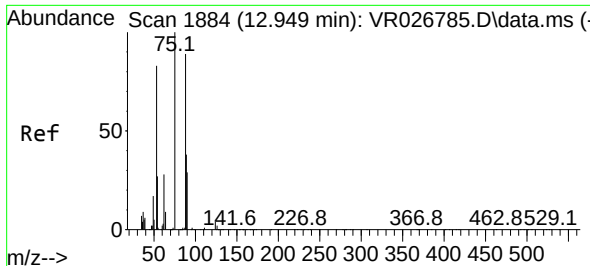


#80
1,3,5-Trimethylbenzene
Concen: 5.011 ug/l
RT: 13.442 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



Tgt Ion:105 Resp: 246400
Ion Ratio Lower Upper
105 100
120 50.4 25.0 75.0





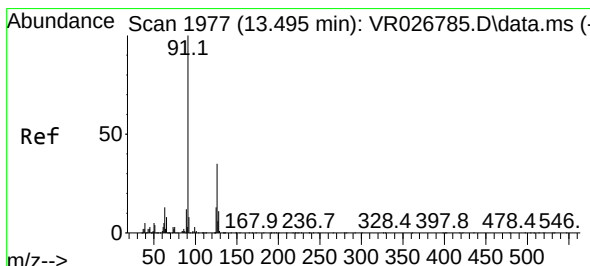
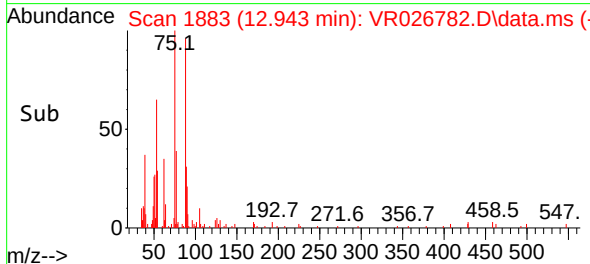
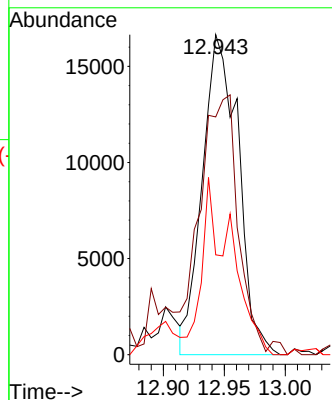
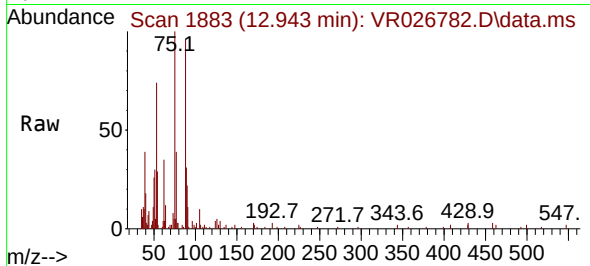
#81
trans-1,4-Dichloro-2-butene
Concen: 4.573 ug/l
RT: 12.943 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 33998
Ion Ratio Lower Upper
75 100
53 89.7 72.6 109.0
89 45.5 36.2 54.2

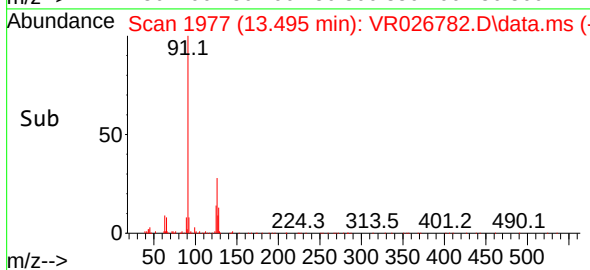
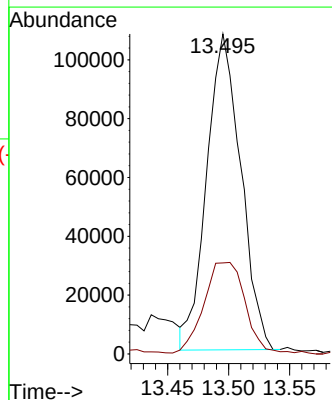
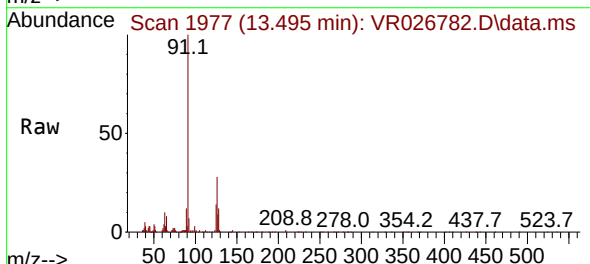
Manual Integrations
APPROVED

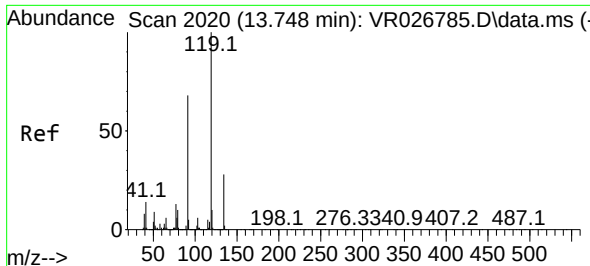
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#82
4-Chlorotoluene
Concen: 4.825 ug/l
RT: 13.495 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

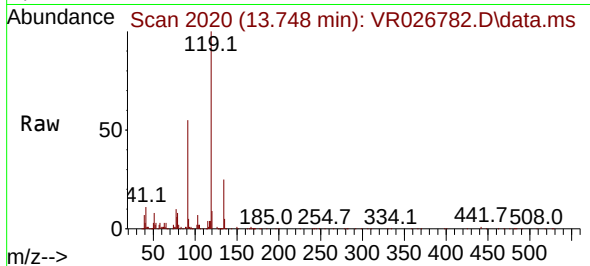
Tgt Ion: 91 Resp: 208936
Ion Ratio Lower Upper
91 100
126 35.4 17.2 51.5





#83
tert-Butylbenzene
Concen: 5.303 ug/l
RT: 13.748 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

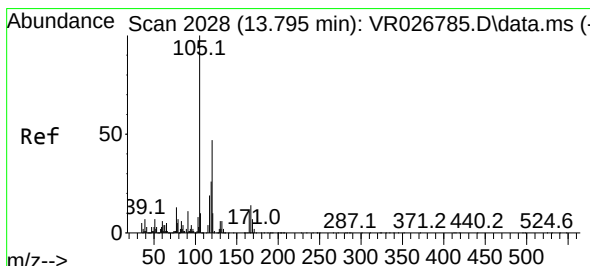
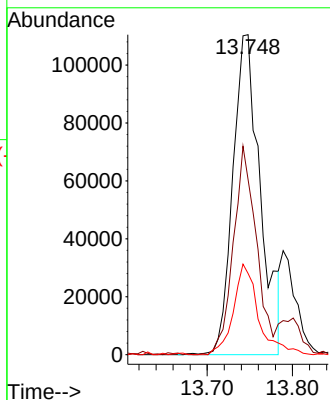
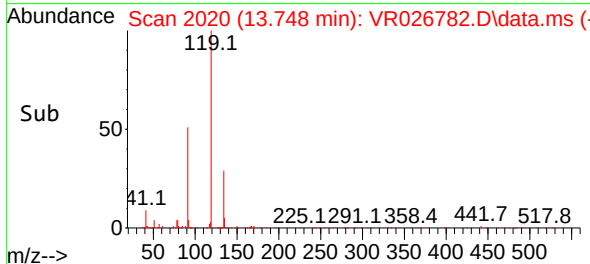
Instrument : MSVOA_R
ClientSampleId : VSTDIC005



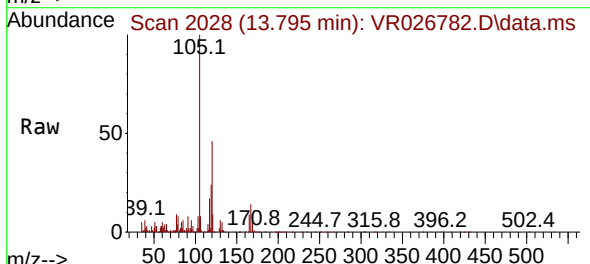
Tgt Ion:119 Resp: 247375
Ion Ratio Lower Upper
119 100
91 54.4 32.0 96.0
134 25.9 13.9 41.6

Manual Integrations
APPROVED

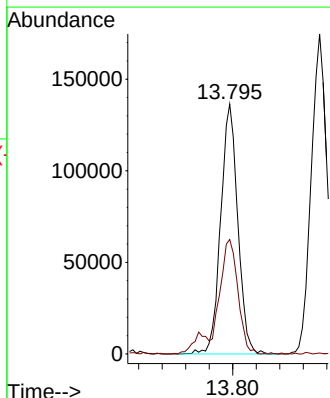
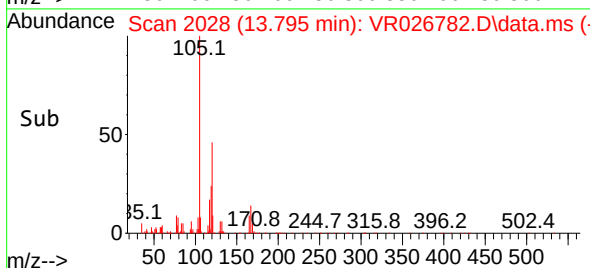
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

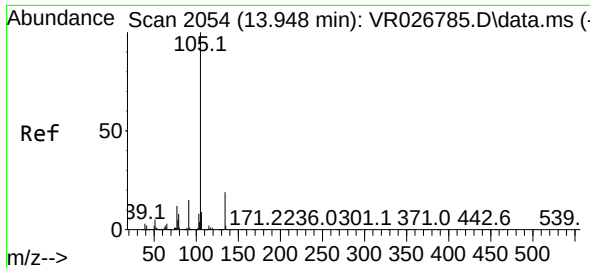


#84
1,2,4-Trimethylbenzene
Concen: 5.141 ug/l
RT: 13.795 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09



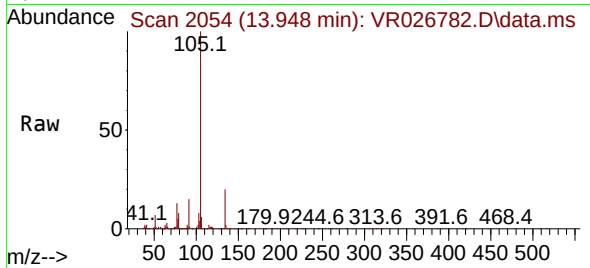
Tgt Ion:105 Resp: 274435
Ion Ratio Lower Upper
105 100
120 47.8 23.6 71.0





#85
 sec-Butylbenzene
 Concen: 5.012 ug/l
 RT: 13.948 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09

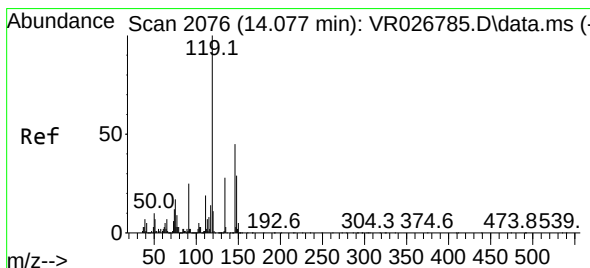
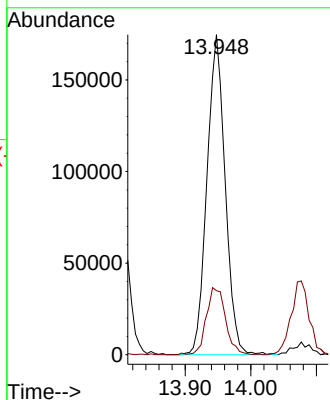
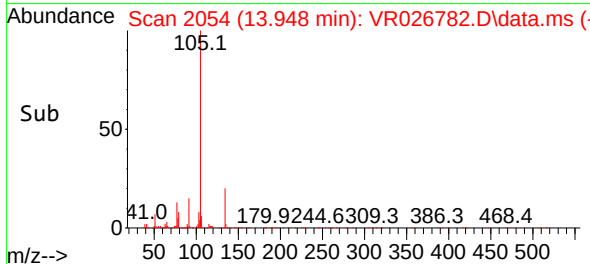
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC005



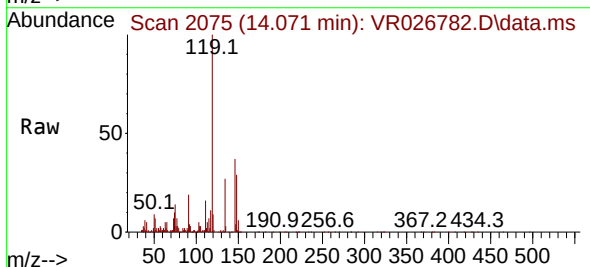
Tgt Ion:105 Resp: 33684
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.1 30.3

Manual Integrations
 APPROVED

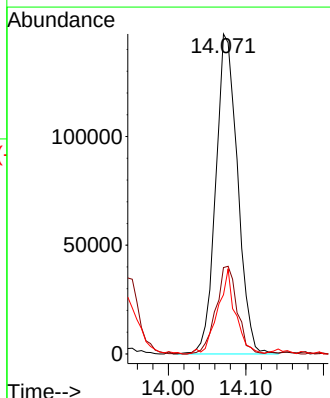
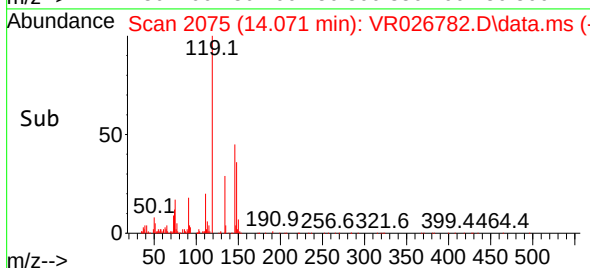
Reviewed By :John Carlone 10/24/2025
 Supervised By :Mahesh Dadoda 10/27/2025

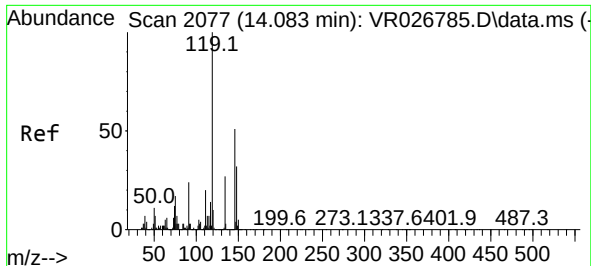


#86
 p-Isopropyltoluene
 Concen: 4.944 ug/l
 RT: 14.071 min Scan# 2075
 Delta R.T. -0.006 min
 Lab File: VR026782.D
 Acq: 22 Oct 2025 12:09



Tgt Ion:119 Resp: 288268
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.8 41.3
 91 21.7 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 5.031 ug/l

RT: 14.077 min Scan# 2077

Delta R.T. -0.006 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 15651

Ion Ratio Lower Upper

146 100

111 38.0 20.3 60.8

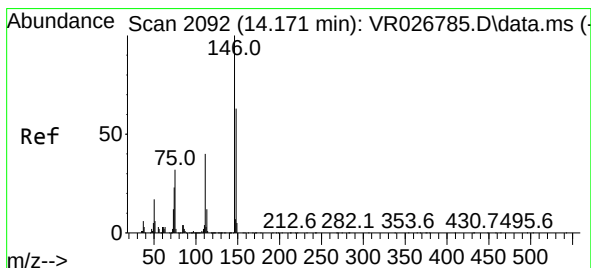
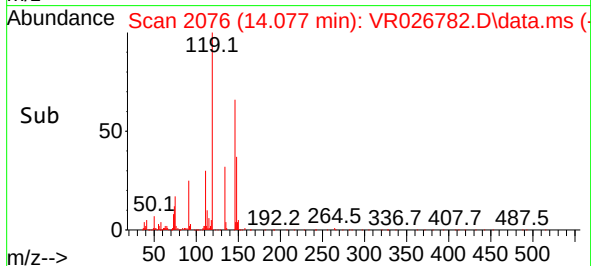
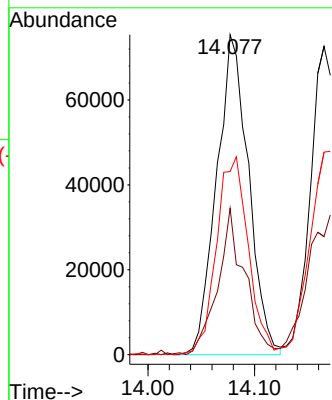
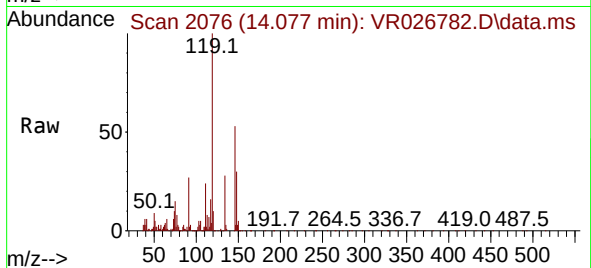
148 62.1 31.4 94.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#88

1,4-Dichlorobenzene

Concen: 5.272 ug/l

RT: 14.177 min Scan# 2093

Delta R.T. 0.006 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

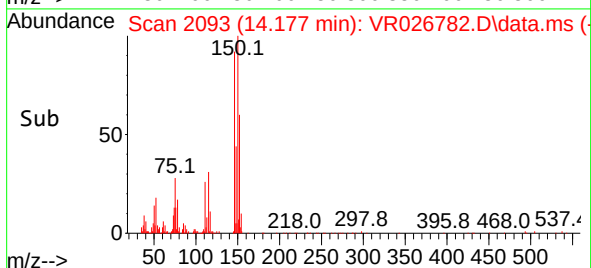
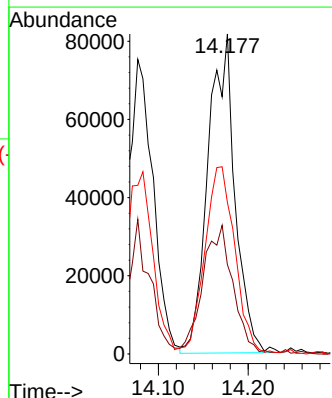
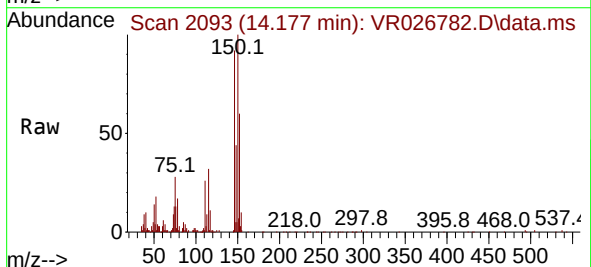
Tgt Ion:146 Resp: 170253

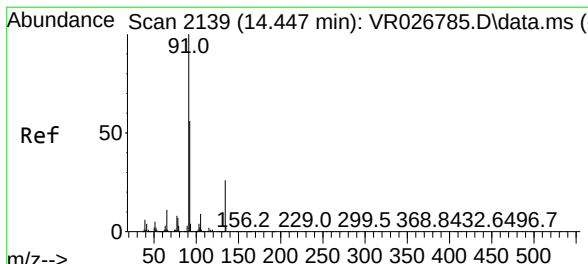
Ion Ratio Lower Upper

146 100

111 44.0 19.3 57.9

148 64.3 31.5 94.5





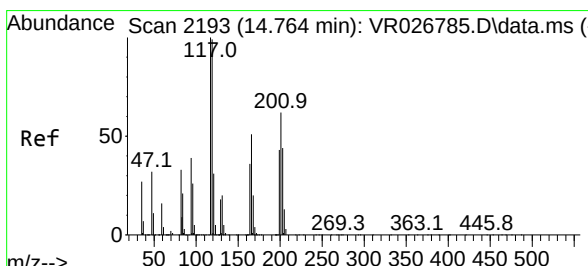
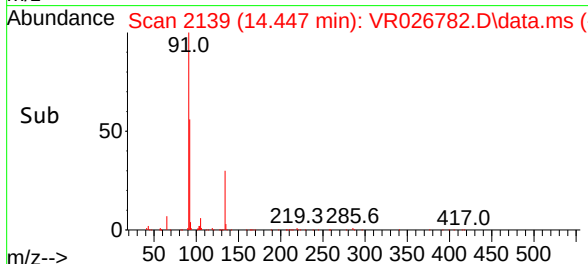
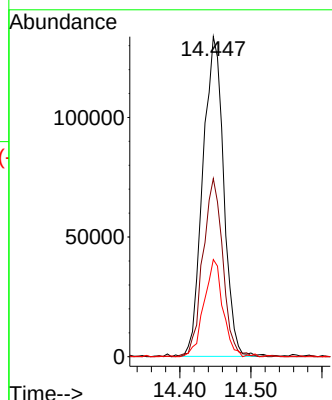
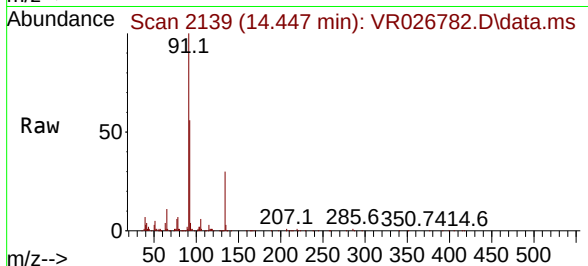
#89
n-Butylbenzene
Concen: 4.780 ug/l
RT: 14.447 min Scan# 2139
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 272680
Ion Ratio Lower Upper
91 100
92 53.2 27.3 81.9
134 27.6 13.1 39.1

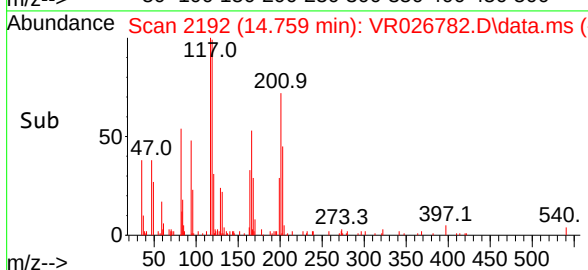
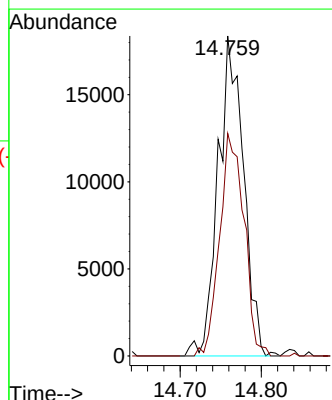
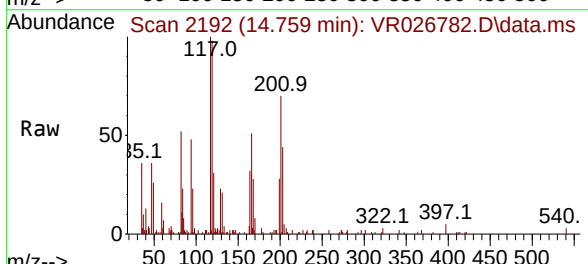
Manual Integrations
APPROVED

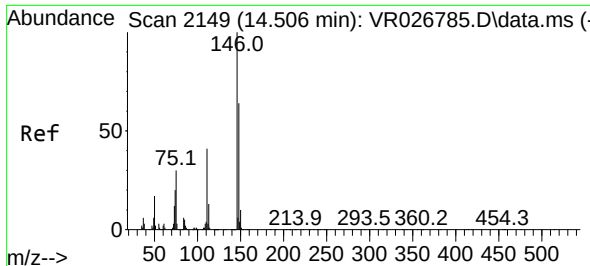
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#90
Hexachloroethane
Concen: 4.229 ug/l
RT: 14.759 min Scan# 2192
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion:117 Resp: 39921
Ion Ratio Lower Upper
117 100
201 66.8 31.6 94.7





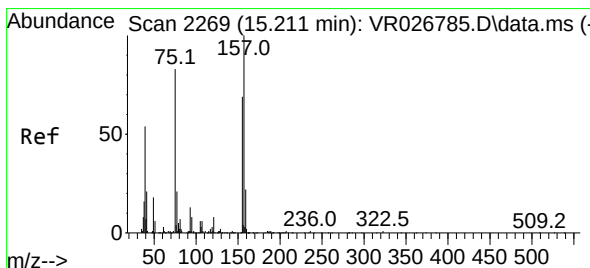
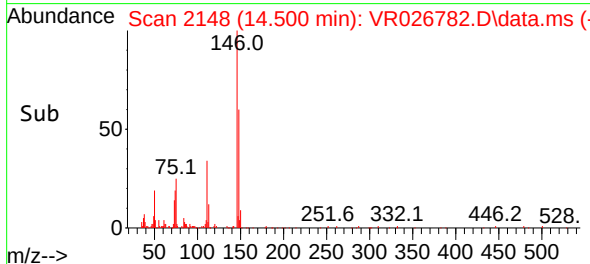
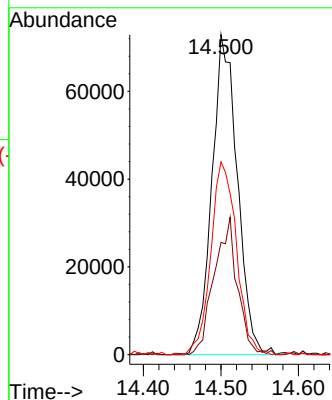
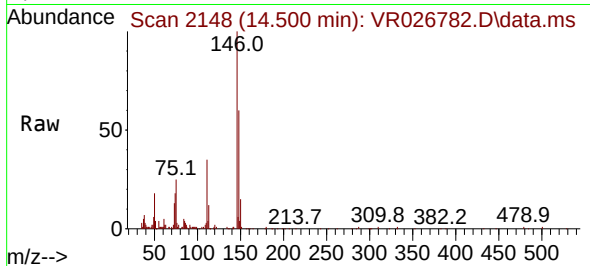
#91
1,2-Dichlorobenzene
Concen: 5.208 ug/l
RT: 14.500 min Scan# 2149
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 166074
Ion Ratio Lower Upper
146 100
111 39.4 20.3 60.9
148 60.7 32.1 96.3

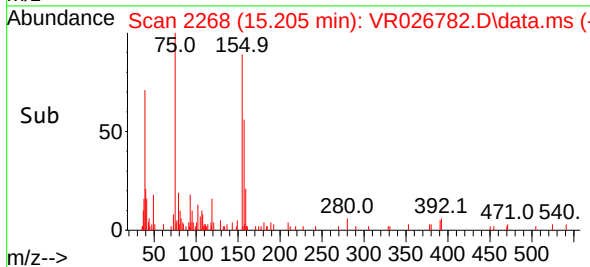
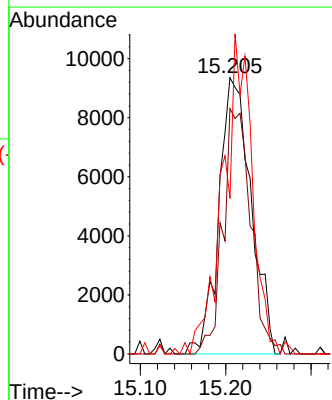
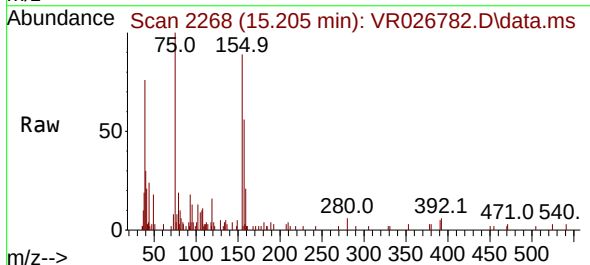
Manual Integrations
APPROVED

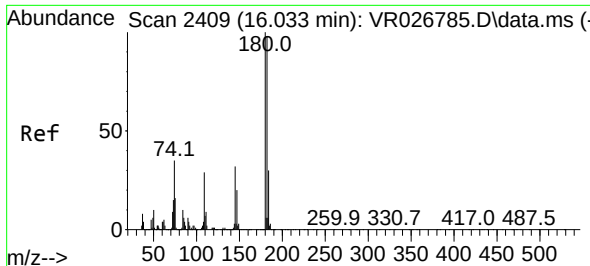
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.149 ug/l
RT: 15.205 min Scan# 2268
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion: 75 Resp: 24529
Ion Ratio Lower Upper
75 100
155 76.8 45.4 136.1
157 104.4 59.1 177.2





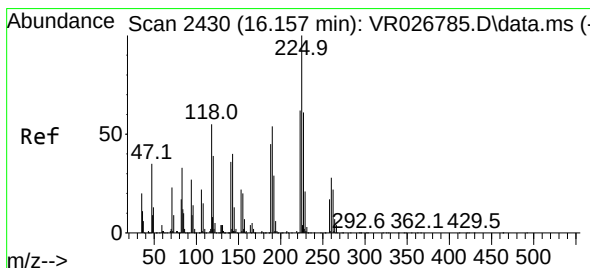
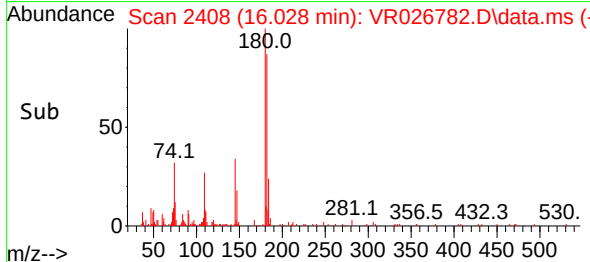
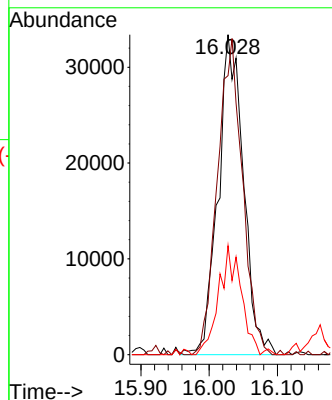
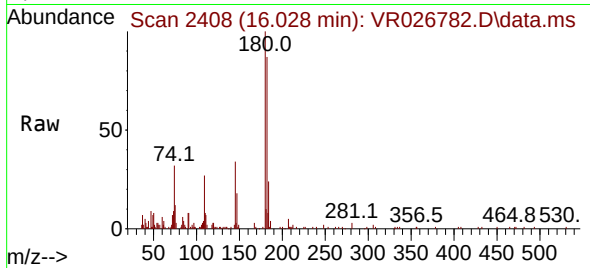
#93
1,2,4-Trichlorobenzene
Concen: 4.262 ug/l
RT: 16.028 min Scan# 2408
Delta R.T. -0.006 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC005

Tgt Ion:180 Resp: 8615
Ion Ratio Lower Upper
180 100
182 97.6 46.8 140.3
145 30.1 15.8 47.3

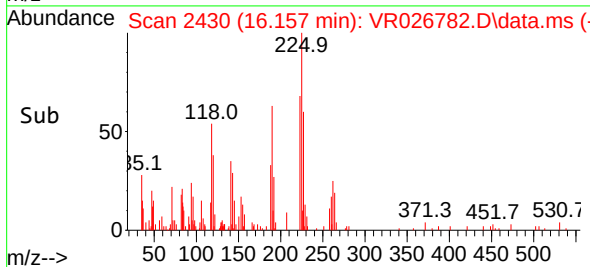
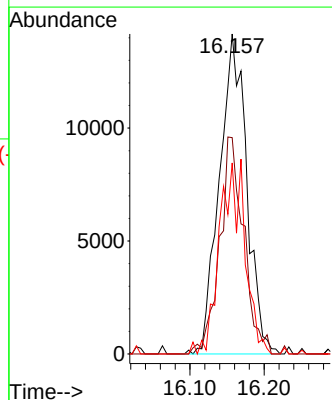
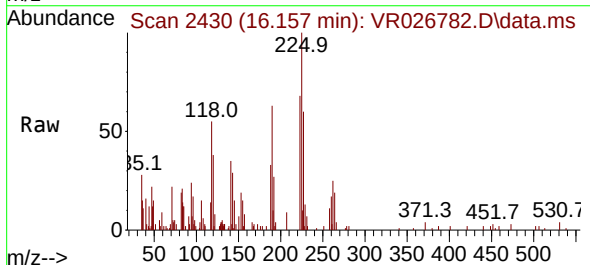
Manual Integrations
APPROVED

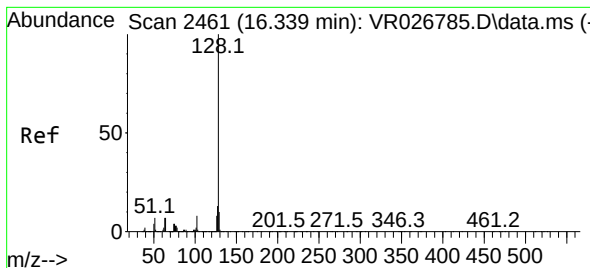
Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



#94
Hexachlorobutadiene
Concen: 5.042 ug/l
RT: 16.157 min Scan# 2430
Delta R.T. 0.000 min
Lab File: VR026782.D
Acq: 22 Oct 2025 12:09

Tgt Ion:225 Resp: 36223
Ion Ratio Lower Upper
225 100
223 59.7 32.3 96.8
227 55.7 33.1 99.3





#95

Naphthalene

Concen: 4.014 ug/l

RT: 16.333 min Scan# 2461

Delta R.T. -0.006 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Instrument :

MSVOA_R

ClientSampleId :

VSTDICC005

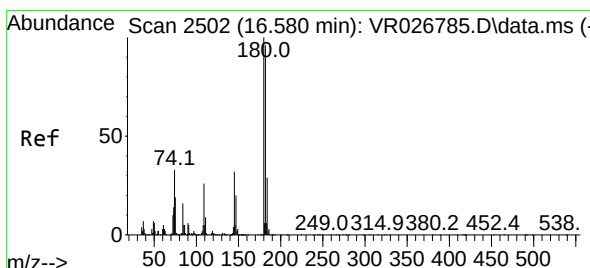
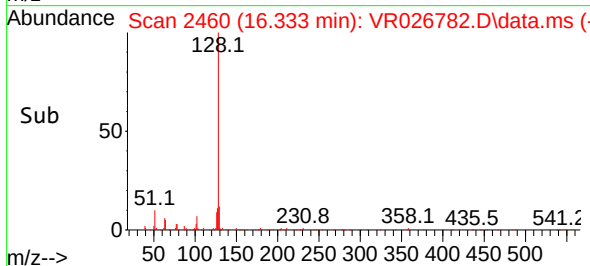
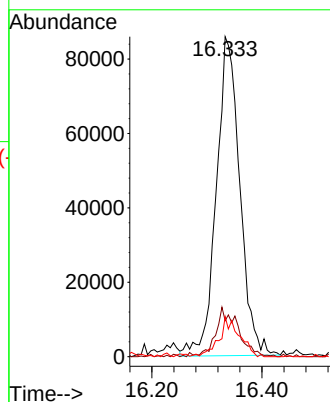
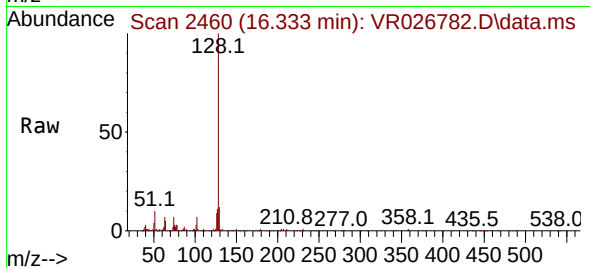
Tgt Ion:128	Resp: 25448
Ion Ratio	Lower Upper
128 100	
127 14.6	10.1 15.1
129 10.8	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/24/2025

Supervised By :Mahesh Dadoda 10/27/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.352 ug/l

RT: 16.586 min Scan# 2503

Delta R.T. 0.006 min

Lab File: VR026782.D

Acq: 22 Oct 2025 12:09

Tgt Ion:180	Resp: 86668
Ion Ratio	Lower Upper
180 100	
182 87.3	46.2 138.5
145 31.4	16.4 49.4

