

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087419.D
 Acq On : 28 Jul 2025 09:06
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 28 11:25:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:25:23 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

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

Internal Standards						
1) Bromochloromethane	7.794	128	111157	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	632580	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	558264	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	249605	27.227	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.767%#		
60) 4-Bromofluorobenzene	12.829	95	270016	28.991	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.633%		
63) Toluene-d8	10.547	98	763779	30.084	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.267%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	27662	4.067	ug/l	89
3) Chloromethane	2.383	50	33177	4.911	ug/l	95
4) Vinyl Chloride	2.542	62	34614	4.649	ug/l	96
5) Bromomethane	2.983	94	16578	3.598	ug/l	95
6) Chloroethane	3.136	64	19448	3.399	ug/l	91
7) Trichlorofluoromethane	3.512	101	42333	3.343	ug/l	95
8) Diethyl Ether	3.965	74	18452	3.661	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	24197	3.606	ug/l	43
10) 1,1-Dichloroethene	4.336	96	21489	3.085	ug/l #	89
11) Methyl Iodide	4.577	142	12010	2.363	ug/l #	76
12) Methyl Acetate	5.012	43	47978	5.295	ug/l	97
13) Acrolein	4.171	56	25461m	15.455	ug/l	
14) Acrylonitrile	5.712	53	105735	25.551	ug/l	95
15) Acetone	4.424	58	29546	20.223	ug/l	86
16) Carbon Disulfide	4.700	76	86888	4.829	ug/l	96
17) Allyl chloride	5.012	41	51046	5.349	ug/l	85
18) Methylene Chloride	5.253	84	37558m	5.327	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	37272m	5.448	ug/l	
20) Diisopropyl ether	6.653	45	112757	4.672	ug/l	96
21) 1,1-Dichloroethane	6.547	63	62412	4.842	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	42036	5.245	ug/l	94
23) tert-Butyl Alcohol	5.524	59	43138m	30.416	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	110119	4.891	ug/l	96
25) Chloroform	7.947	83	62140	4.402	ug/l	95
26) Cyclohexane	8.241	56	60612	6.308	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	44005	4.077	ug/l	93
30) 2-Butanone	7.471	43	156277	21.262	ug/l #	95
31) 2,2-Dichloropropane	7.477	77	56115	3.959	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	52285	3.702	ug/l	97
33) Carbon Tetrachloride	8.341	117	42422	3.457	ug/l	95
34) Benzene	8.588	78	142708	4.094	ug/l #	85
35) Methacrylonitrile	7.771	41	36058	4.665	ug/l	88
36) 1,2-Dichloroethane	8.653	62	46622	3.390	ug/l #	90
37) Trichloroethene	9.335	130	33934	4.266	ug/l	94
38) Methylcyclohexane	9.583	83	60463	5.300	ug/l	94
39) 1,2-Dichloropropane	9.600	63	35882	4.098	ug/l	98
40) Dibromomethane	9.688	93	26662	3.935	ug/l	75
41) Bromodichloromethane	9.871	83	51054	3.795	ug/l	97
42) Vinyl Acetate	6.589	43	539799	21.680	ug/l	100

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Manual Integrations
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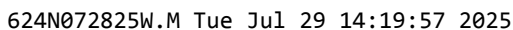
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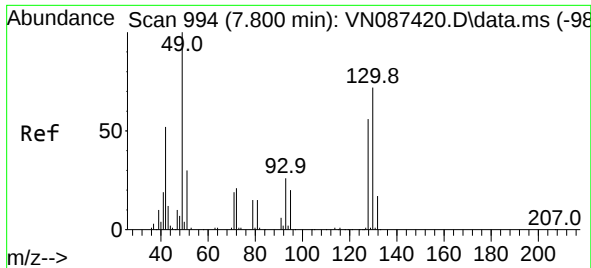
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	59963	4.007	ug/l #	70
44) Isopropyl Acetate	8.671	43	98859	4.185	ug/l	99
45) 1,4-Dioxane	9.682	88	13370	91.864	ug/l #	65
46) Methyl methacrylate	9.665	41	45109	4.147	ug/l	93
48) t-1,3-Dichloropropene	10.818	75	55578	3.873	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	60505	4.216	ug/l	94
50) 1,1,2-Trichloroethane	11.000	97	33604	3.841	ug/l	97
51) Ethyl methacrylate	10.859	69	55437	4.143	ug/l	86
52) 1,3-Dichloropropane	11.147	76	57620	3.830	ug/l	98
53) Dibromochloromethane	11.341	129	37647	3.671	ug/l	94
54) 1,2-Dibromoethane	11.447	107	35135	3.918	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	164801	22.140	ug/l	99
56) Bromoform	12.565	173	26052	3.572	ug/l	99
58) 4-Methyl-2-Pentanone	10.430	43	298702	21.881	ug/l	99
59) 2-Hexanone	11.182	43	185403	20.122	ug/l	96
61) Tetrachloroethene	11.088	164	26530	4.256	ug/l	93
62) Toluene	10.612	91	155772	4.582	ug/l	96
64) Chlorobenzene	11.871	112	96389	4.434	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	31396	3.952	ug/l	95
66) Ethyl Benzene	11.941	91	166263	4.517	ug/l	98
67) m/p-Xylenes	12.053	106	127883	8.779	ug/l	99
68) o-Xylene	12.376	106	60554	4.334	ug/l	93
69) Styrene	12.394	104	101722	4.184	ug/l	97
70) Isopropylbenzene	12.676	105	155707	4.425	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	54103	4.370	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	42197m	3.815	ug/l	
73) Bromobenzene	12.959	156	37530	4.097	ug/l	96
74) n-propylbenzene	13.012	91	193226	4.348	ug/l	99
75) 2-Chlorotoluene	13.106	91	115299	4.320	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	129179	4.220	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	17137	3.877	ug/l #	79
78) 4-Chlorotoluene	13.206	91	118459	4.161	ug/l	95
79) tert-butylbenzene	13.418	119	112446	4.325	ug/l	97
80) 1,2,4-Trimethylbenzene	13.465	105	129913	4.157	ug/l	100
81) sec-Butylbenzene	13.594	105	168636	4.495	ug/l	97
82) p-Isopropyltoluene	13.706	119	138314	4.295	ug/l	96
83) 1,3-Dichlorobenzene	13.712	146	69907	3.788	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	74654	4.098	ug/l	96
85) n-Butylbenzene	14.035	91	139856	4.716	ug/l	100
86) Hexachloroethane	14.312	117	27185	4.338	ug/l	89
87) 1,2-Dichlorobenzene	14.088	146	65516	3.770	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.694	75	13709	4.760	ug/l #	86
89) 1,2,4-Trichlorobenzene	15.817	180	40939	4.084	ug/l	100
90) Hexachlorobutadiene	15.476	225	16528	3.998	ug/l	95
91) Naphthalene	15.617	128	151552	4.542	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	40939	4.084	ug/l	100

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

Manual Integrations

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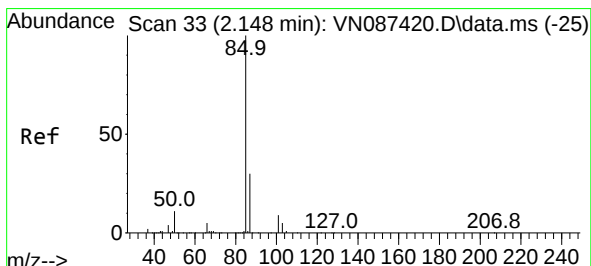
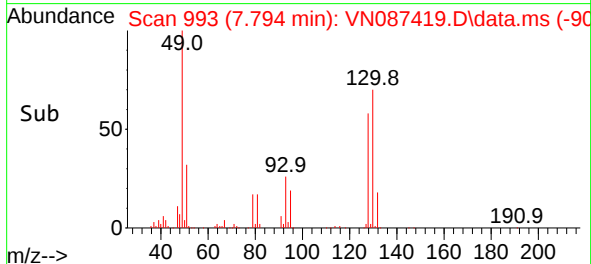
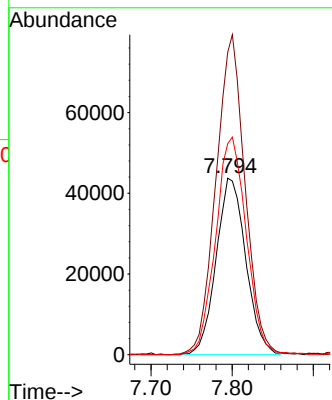
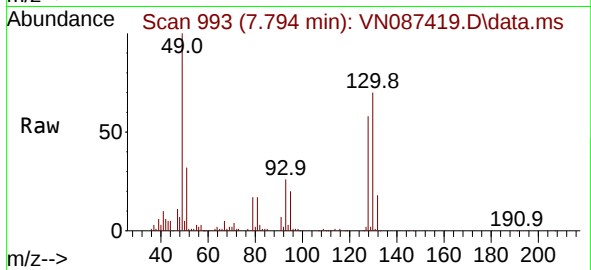
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 11115
Ion Ratio Lower Upper
128 100
49 177.4 0.0 446.2
130 127.6 0.0 331.0

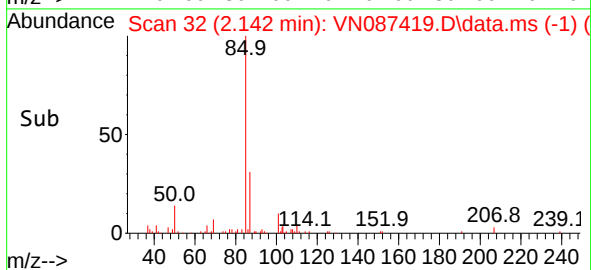
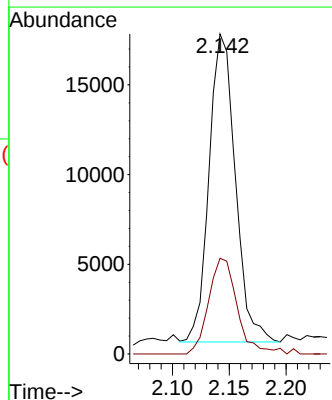
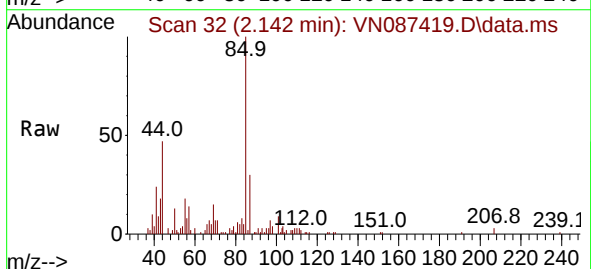
Manual Integrations
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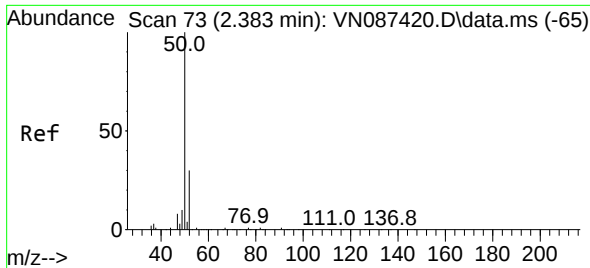
Reviewed By :John Carlone 07/28/2025
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#2
Dichlorodifluoromethane
Concen: 4.067 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 85 Resp: 27662
Ion Ratio Lower Upper
85 100
87 31.1 18.9 56.9





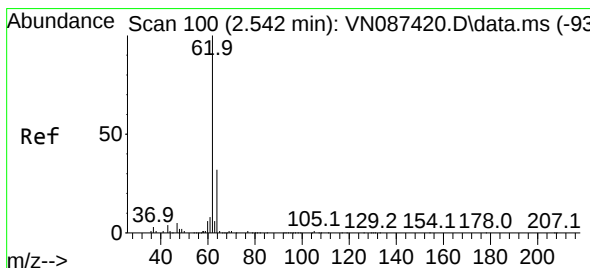
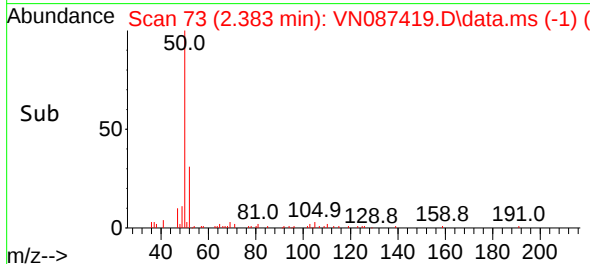
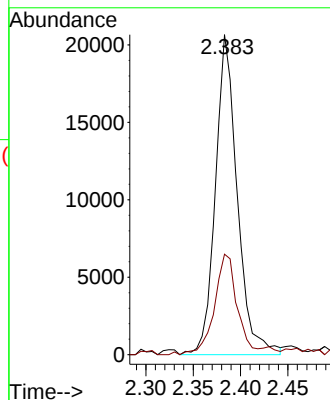
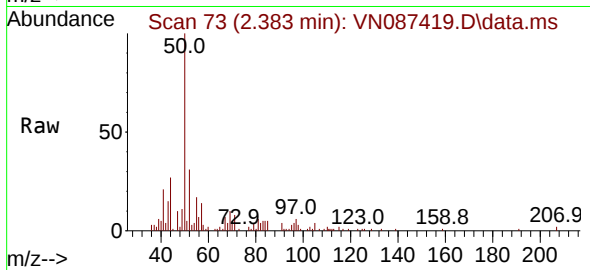
#3
Chloromethane
Concen: 4.911 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 3317
Ion Ratio Lower Upper
50 100
52 31.4 23.2 34.8

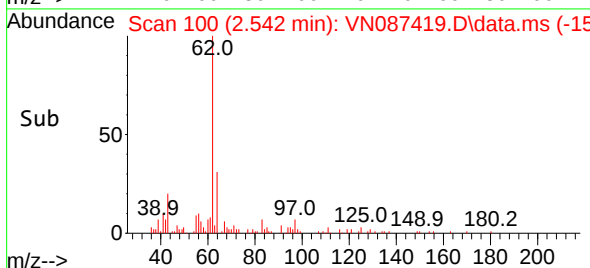
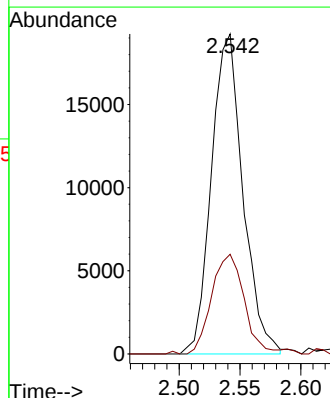
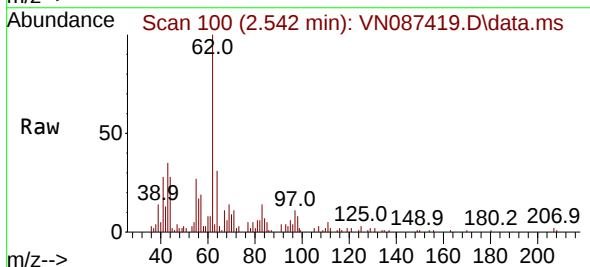
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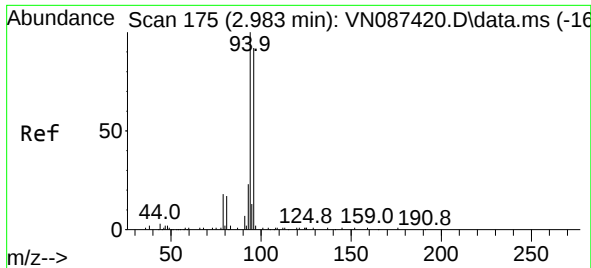
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#4
Vinyl Chloride
Concen: 4.649 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 62 Resp: 34614
Ion Ratio Lower Upper
62 100
64 31.1 23.2 34.8





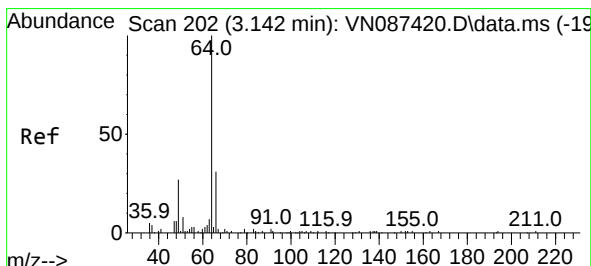
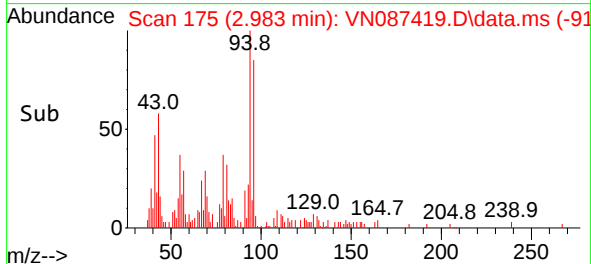
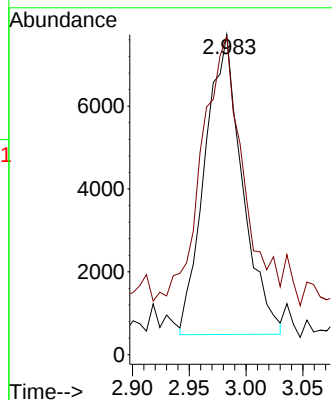
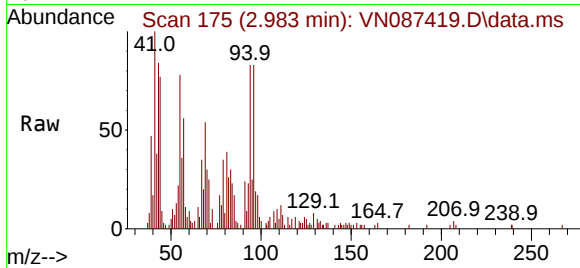
#5
Bromomethane
Concen: 3.598 ug/l
RT: 2.983 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 16578
Ion Ratio Lower Upper
94 100
96 85.4 64.6 96.8

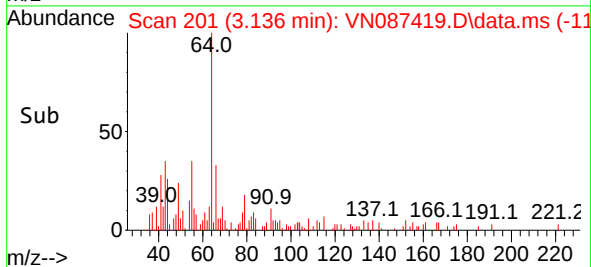
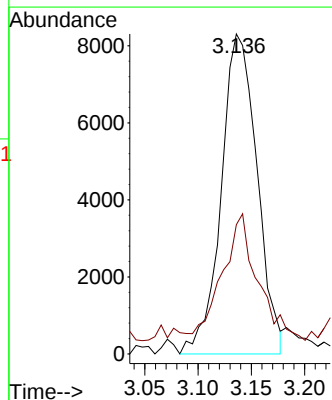
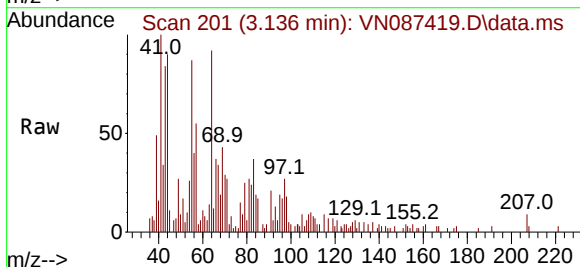
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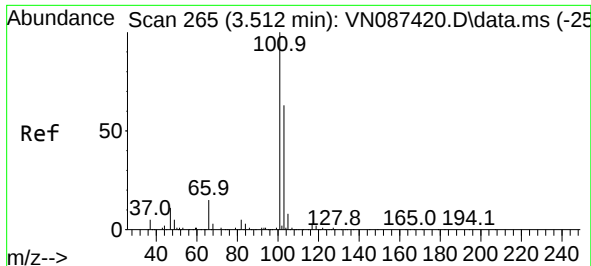
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#6
Chloroethane
Concen: 3.399 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

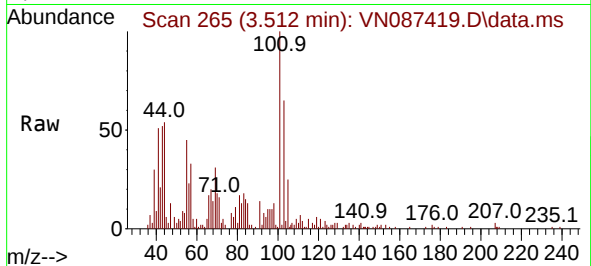
Tgt Ion: 64 Resp: 19448
Ion Ratio Lower Upper
64 100
66 33.7 31.4 47.2





#7
 Trichlorofluoromethane
 Concen: 3.343 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.000 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06

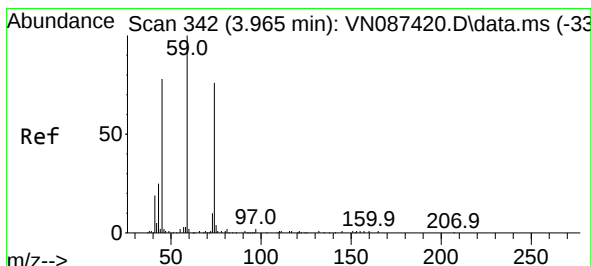
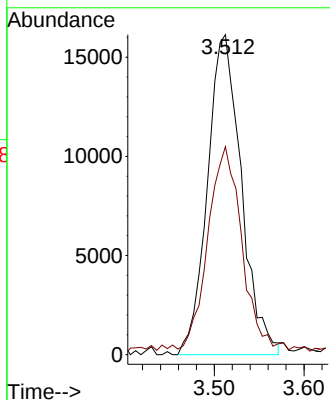
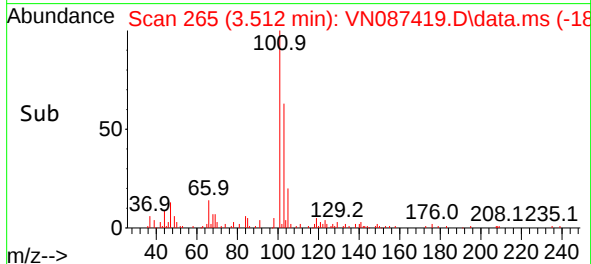
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion:101 Resp: 4233
 Ion Ratio Lower Upper
 101 100
 103 63.2 53.7 80.5

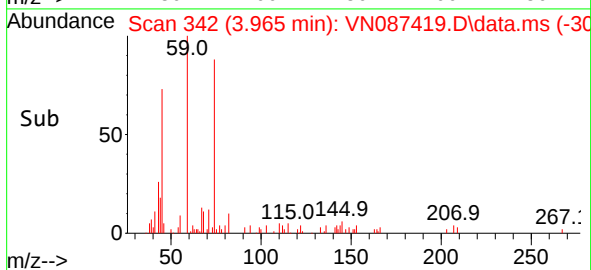
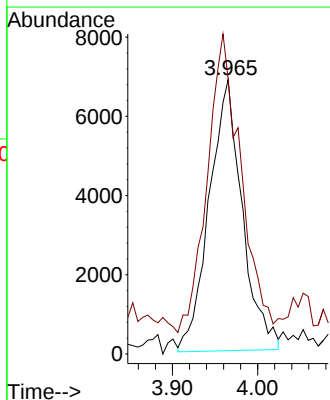
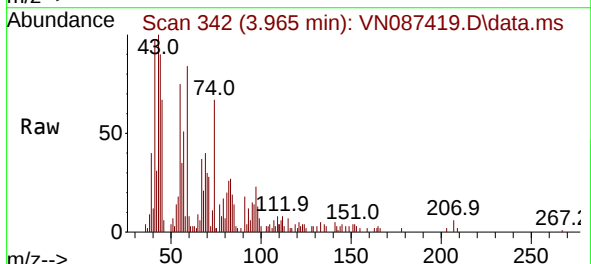
Manual Integrations
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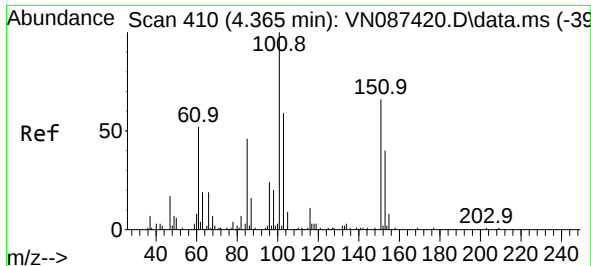
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#8
 Diethyl Ether
 Concen: 3.661 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06

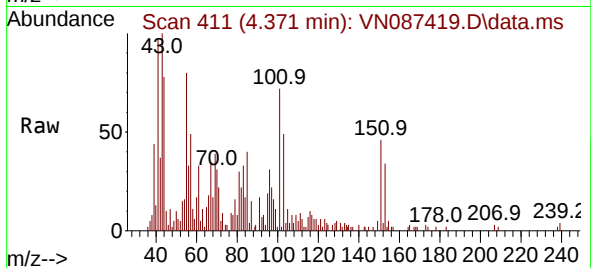
Tgt Ion: 74 Resp: 18452
 Ion Ratio Lower Upper
 74 100
 45 111.0 21.4 192.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.606 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

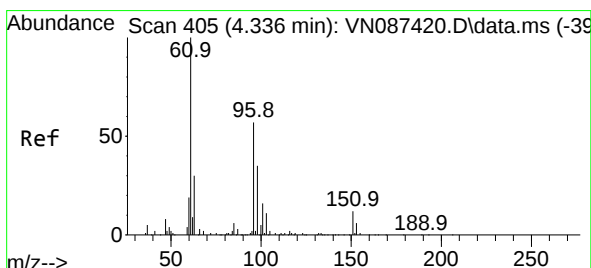
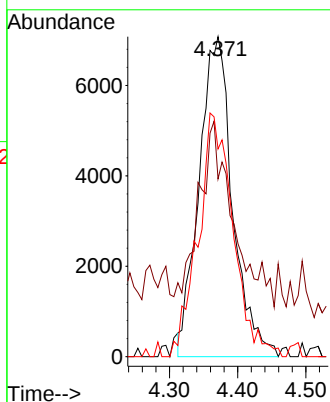
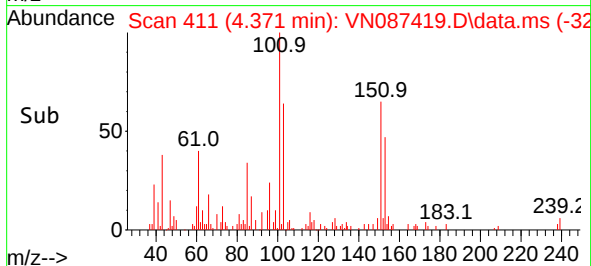
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



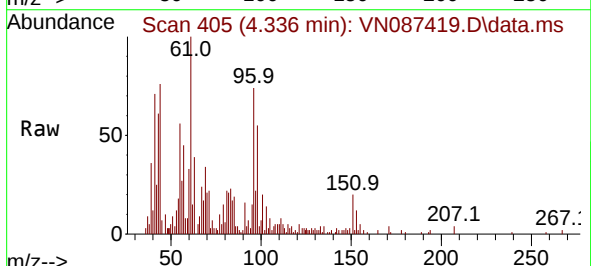
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Ion Ratio Lower Upper
101 100
85 4.8 0.0 94.8
151 58.8 0.0 64.8

Manual Integrations
APPROVED

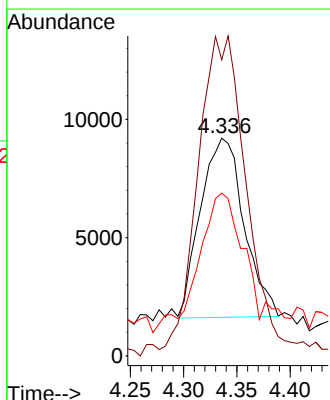
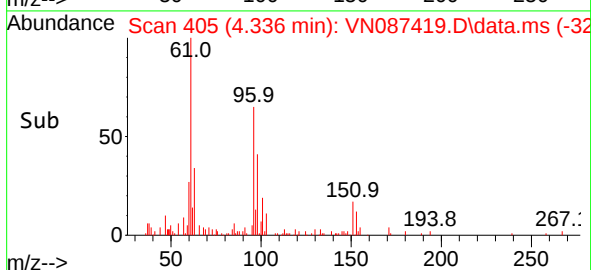
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

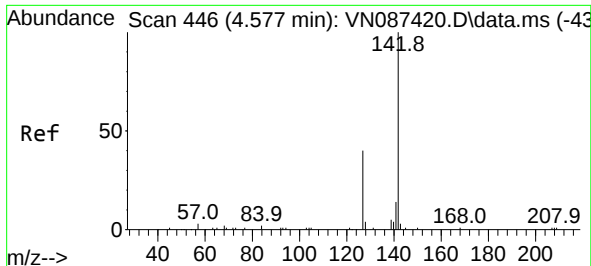


#10
1,1-Dichloroethene
Concen: 3.085 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



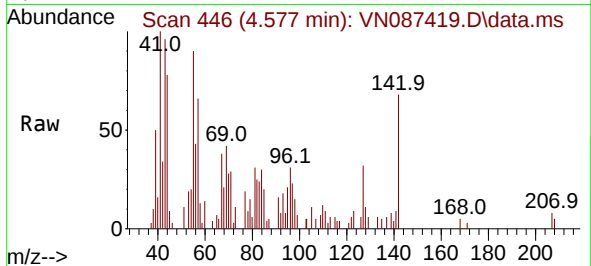
Tgt Ion: 96 Resp: 21489
Ion Ratio Lower Upper
96 100
61 155.3 131.8 197.8
98 70.5 43.0 64.4





#11
Methyl Iodide
Concen: 2.363 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

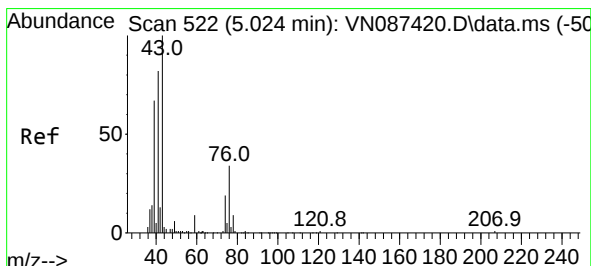
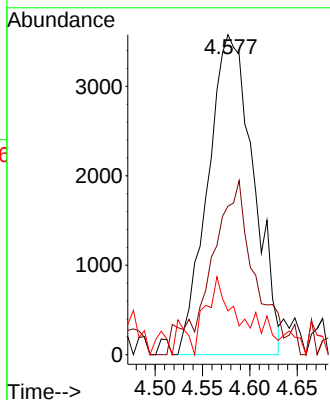
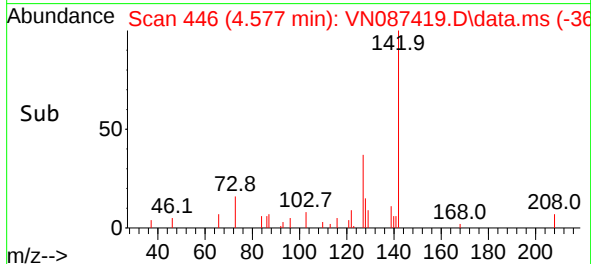
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:142 Resp: 12010
Ion Ratio Lower Upper
142 100
127 37.3 27.7 83.0
141 6.3 7.2 21.6

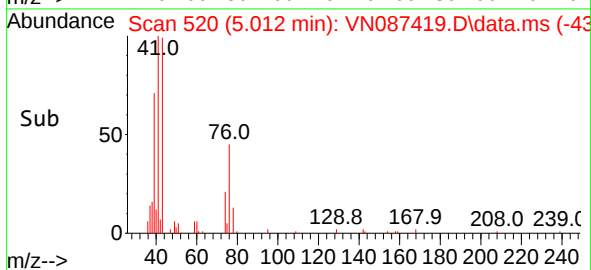
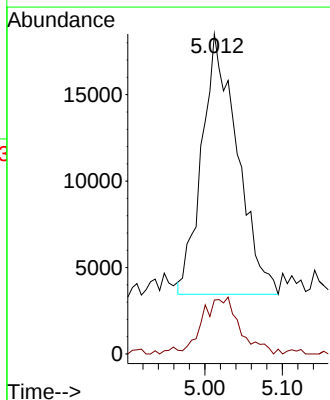
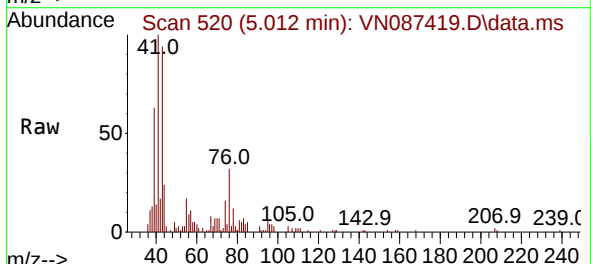
Manual Integrations
APPROVED

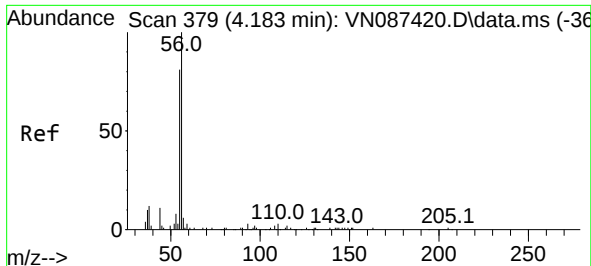
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#12
Methyl Acetate
Concen: 5.295 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 43 Resp: 47978
Ion Ratio Lower Upper
43 100
74 19.5 16.9 25.3





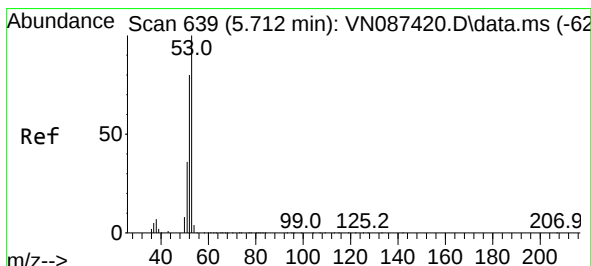
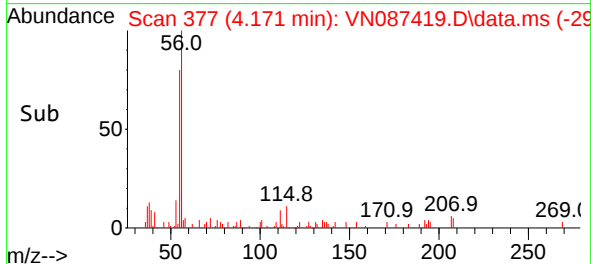
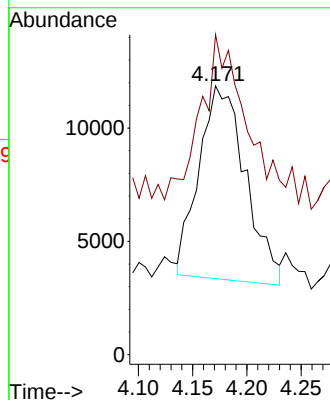
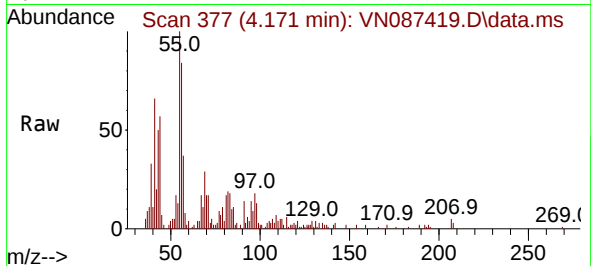
#13
Acrolein
Concen: 15.455 ug/l m
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 2546
Ion Ratio Lower Upper
56 100
55 3.9 56.8 85.2

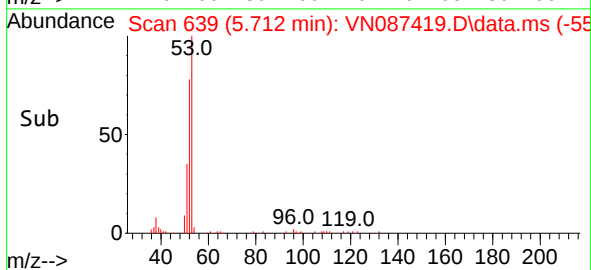
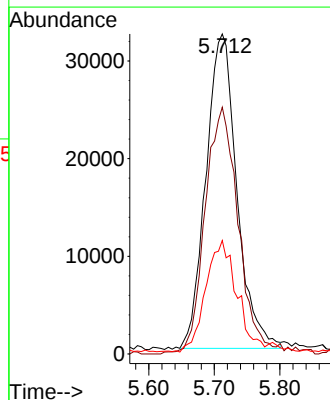
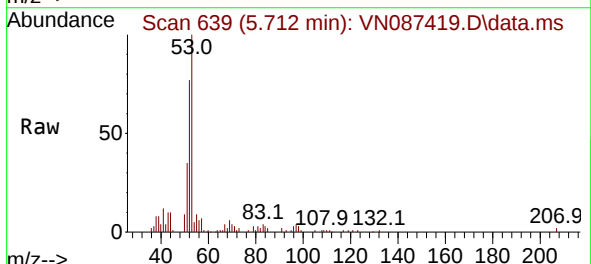
Manual Integrations
APPROVED

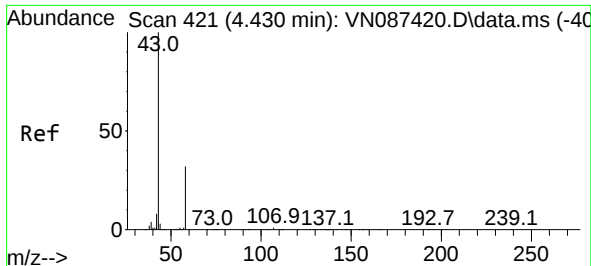
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#14
Acrylonitrile
Concen: 25.551 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 53 Resp: 105735
Ion Ratio Lower Upper
53 100
52 81.7 41.5 124.6
51 30.8 19.4 58.4





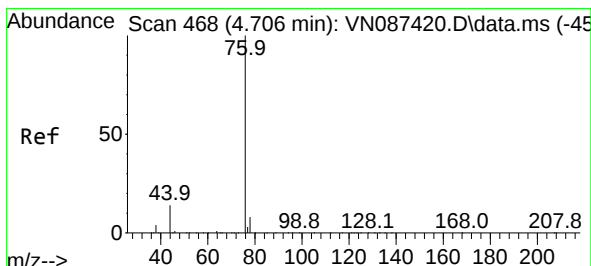
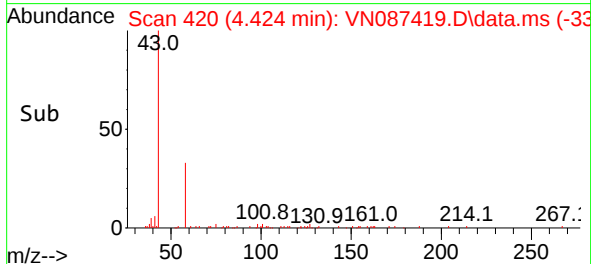
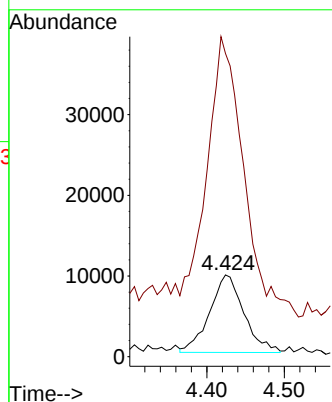
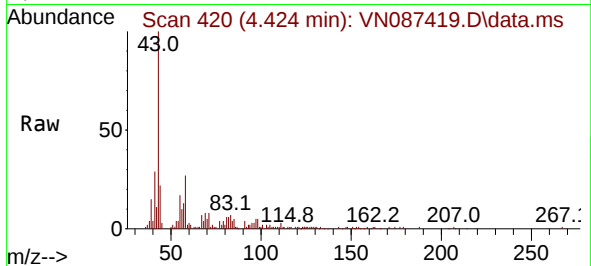
#15
Acetone
Concen: 20.223 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 58 Resp: 29540
Ion Ratio Lower Upper
58 100
43 323.7 283.4 425.0

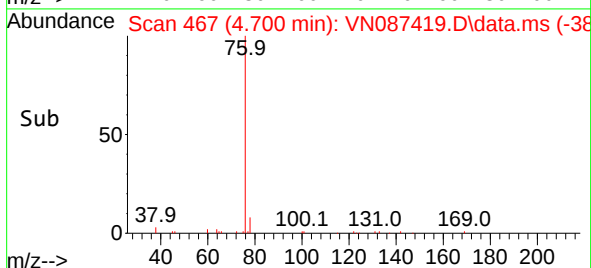
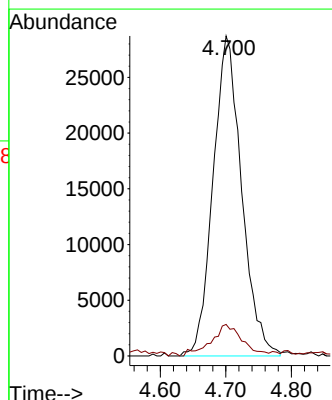
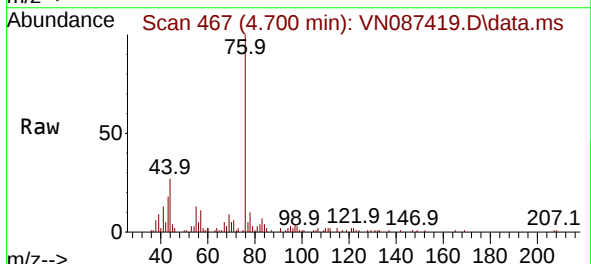
Manual Integrations
APPROVED

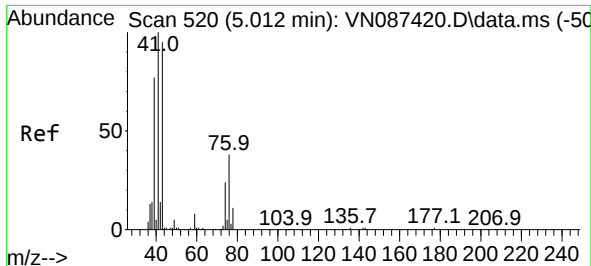
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#16
Carbon Disulfide
Concen: 4.829 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 76 Resp: 86888
Ion Ratio Lower Upper
76 100
78 9.9 6.6 10.0





#17

Allyl chloride

Concen: 5.349 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5104

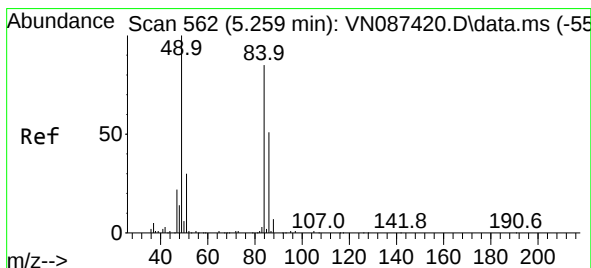
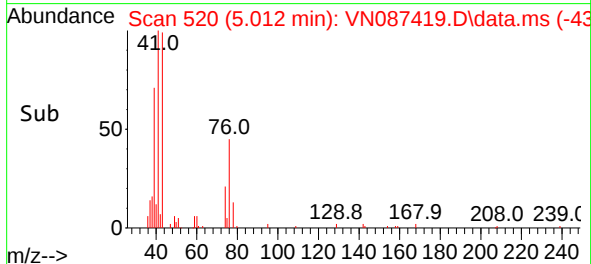
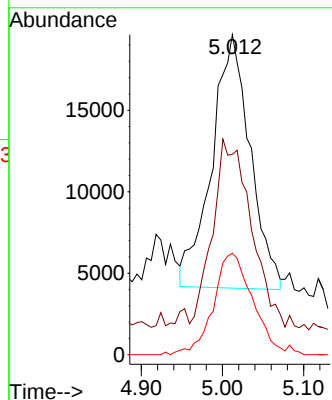
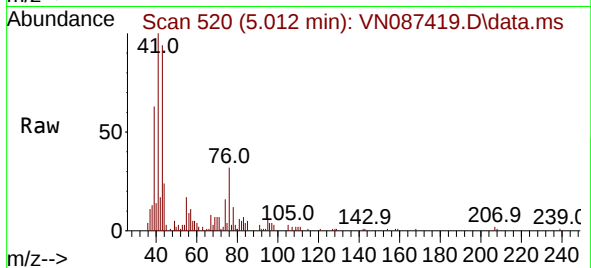
Ion	Ratio	Lower	Upper
41	100		
39	65.3	42.9	128.7
76	39.7	19.8	59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#18

Methylene Chloride

Concen: 5.327 ug/l m

RT: 5.253 min Scan# 561

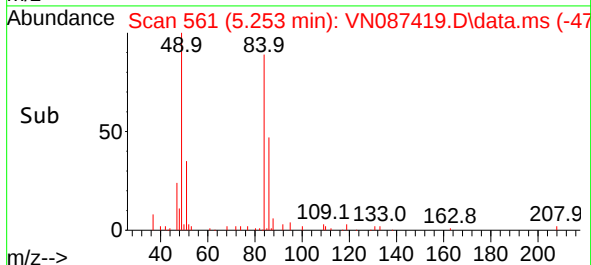
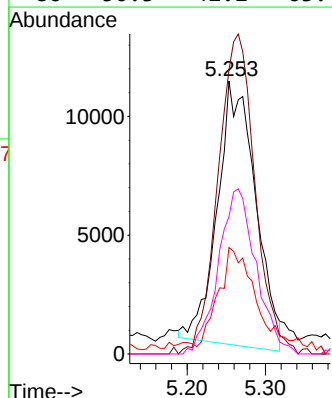
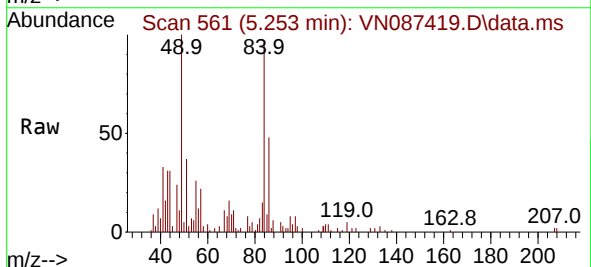
Delta R.T. -0.018 min

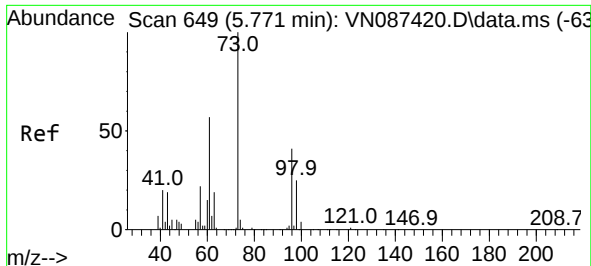
Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

Tgt Ion: 84 Resp: 37558

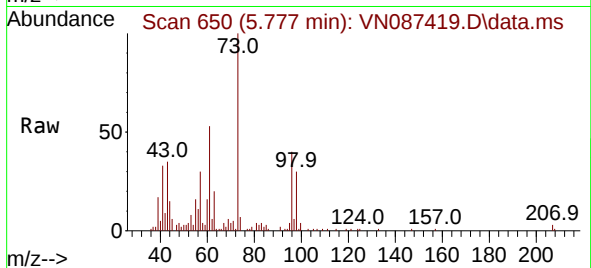
Ion	Ratio	Lower	Upper
84	100		
49	104.2	88.4	132.6
51	39.0	27.3	40.9
86	50.3	42.2	63.4





#19
trans-1,2-Dichloroethene
Concen: 5.448 ug/l m
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

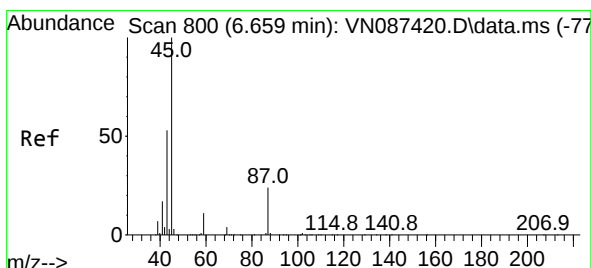
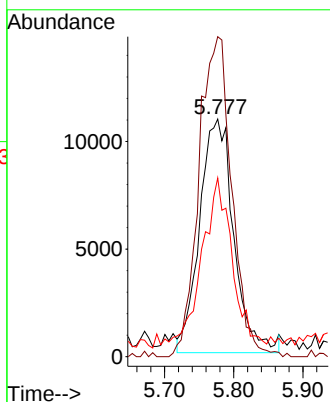
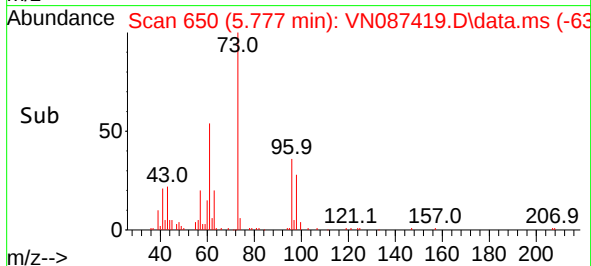
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 3727
Ion Ratio Lower Upper
96 100
61 134.7 101.7 152.5
98 75.2 48.2 72.4

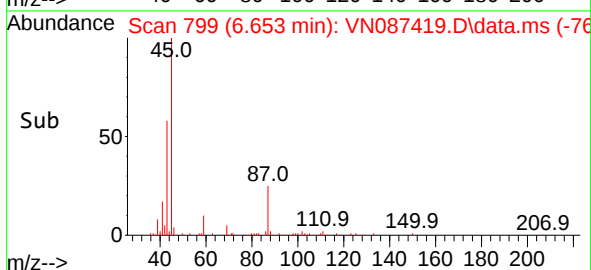
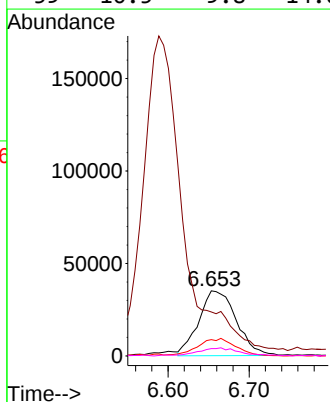
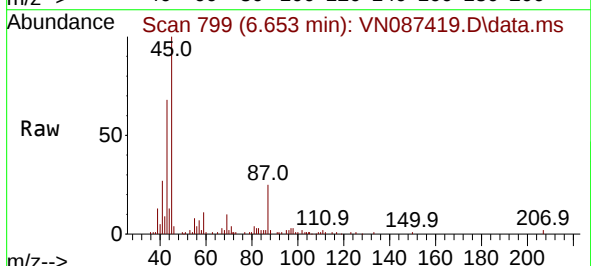
Manual Integrations
APPROVED

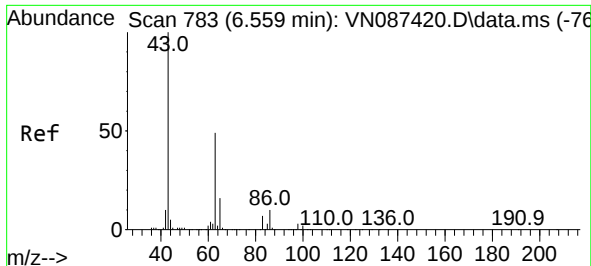
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#20
Diisopropyl ether
Concen: 4.672 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.012 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 45 Resp: 112757
Ion Ratio Lower Upper
45 100
43 58.3 46.0 69.0
87 24.9 23.4 35.2
59 10.5 9.8 14.6





#21
1,1-Dichloroethane
Concen: 4.842 ug/l
RT: 6.547 min Scan# 781
Delta R.T. -0.012 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :

MSVOA_N

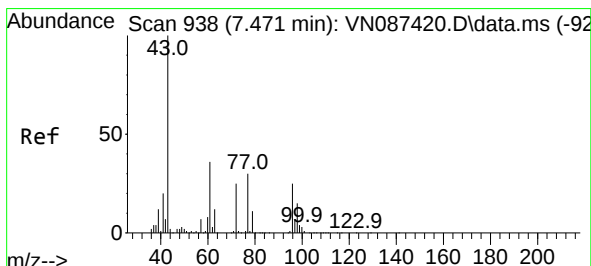
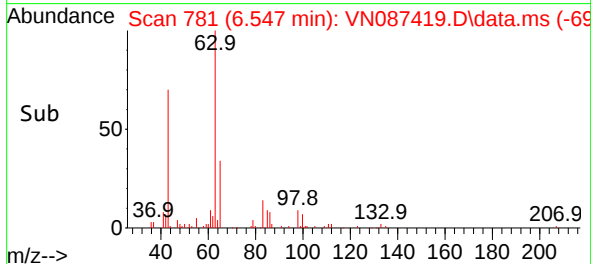
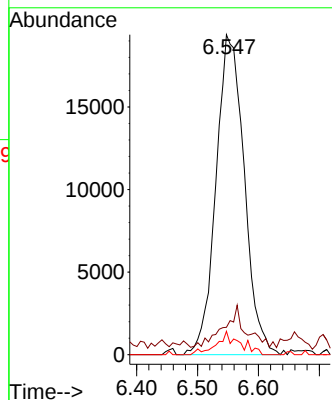
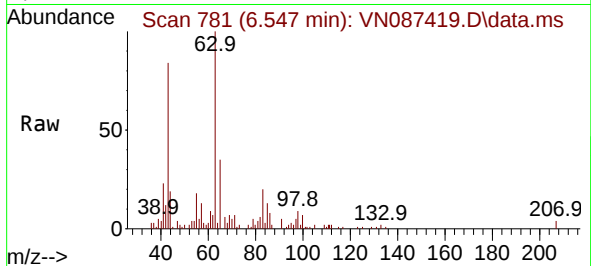
ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 62412
Ion Ratio Lower Upper
63 100
98 5.5 2.9 8.6
100 7.3 3.6 10.8

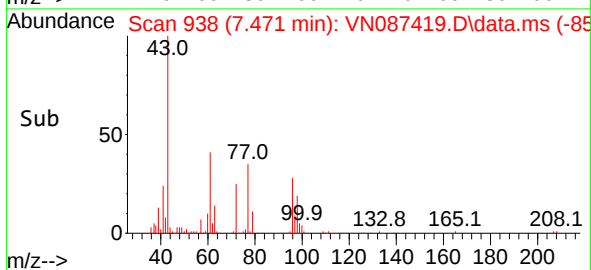
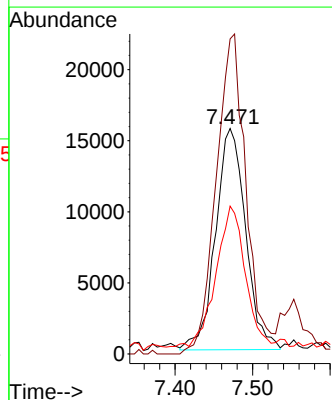
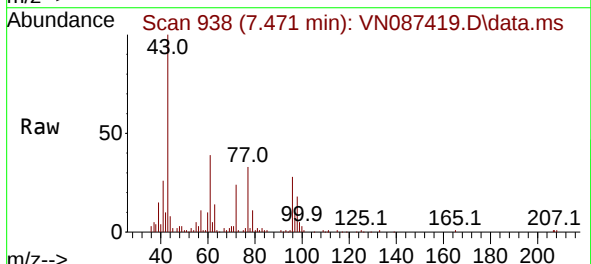
Manual Integrations
APPROVED

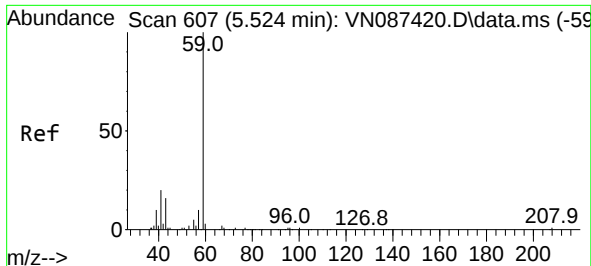
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#22
cis-1,2-Dichloroethene
Concen: 5.245 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

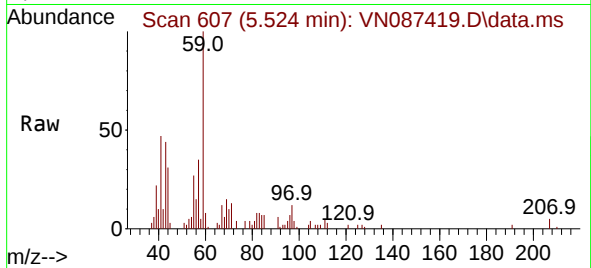
Tgt Ion: 96 Resp: 42036
Ion Ratio Lower Upper
96 100
61 143.5 120.4 180.6
98 60.8 54.0 81.0





#23
tert-Butyl Alcohol
Concen: 30.416 ug/l m
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

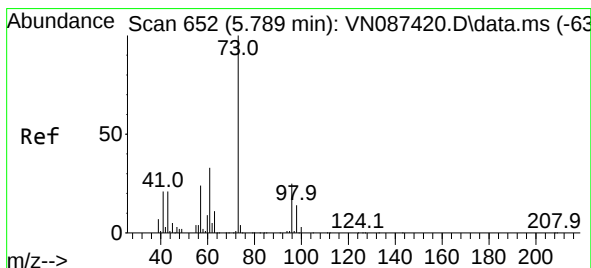
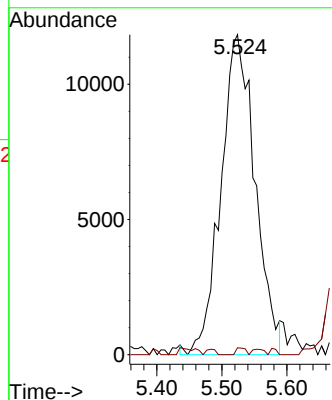
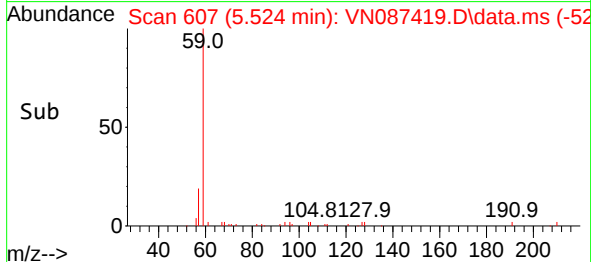
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



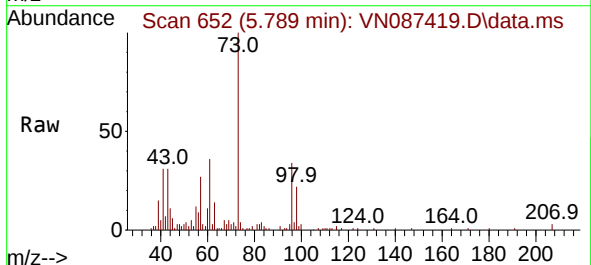
Tgt Ion: 59 Resp: 43138
Ion Ratio Lower Upper
59 100
52 0.6 0.0 0.0

Manual Integrations
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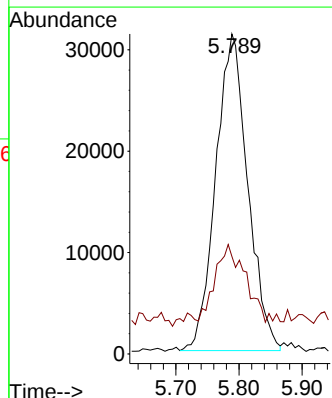
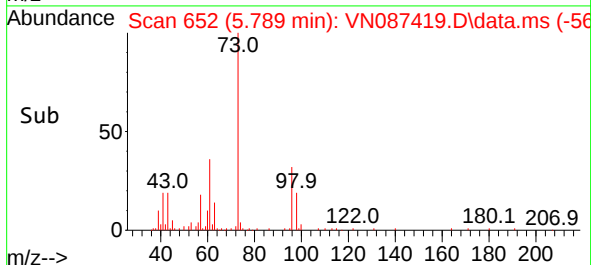
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

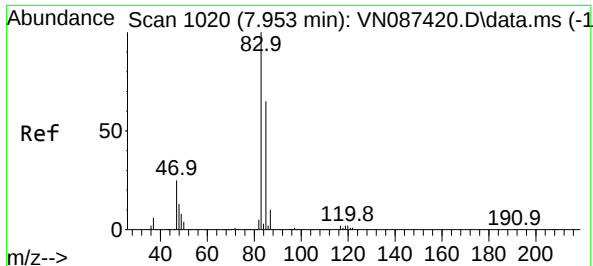


#24
Methyl tert-Butyl Ether
Concen: 4.891 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



Tgt Ion: 73 Resp: 110119
Ion Ratio Lower Upper
73 100
43 20.2 17.7 26.5





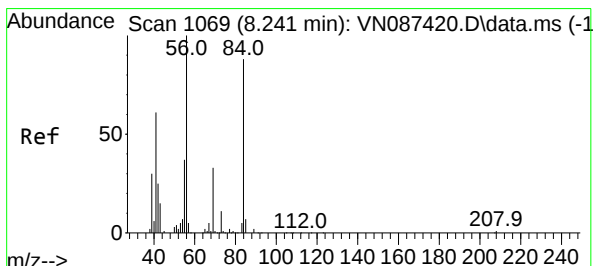
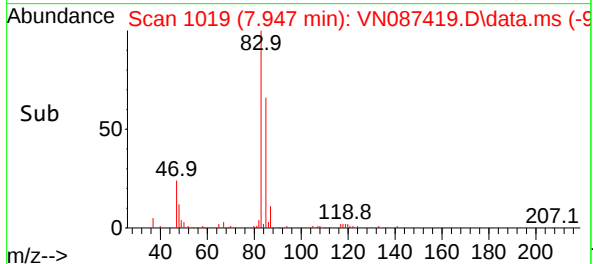
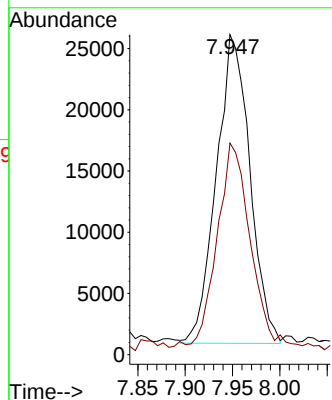
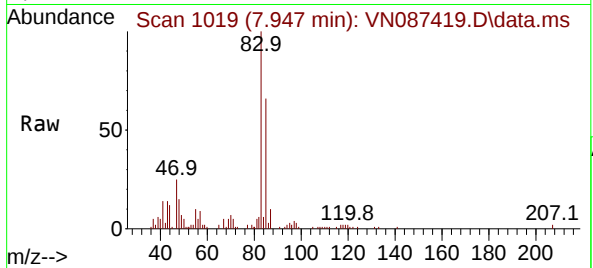
#25
Chloroform
Concen: 4.402 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 62140
Ion Ratio Lower Upper
83 100
85 64.8 48.6 73.0

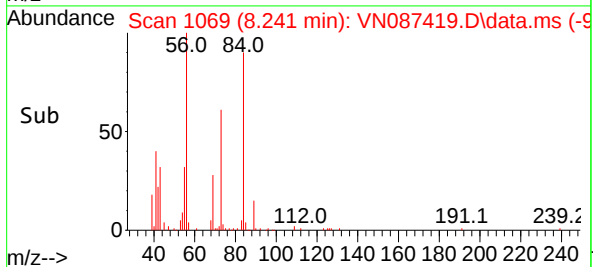
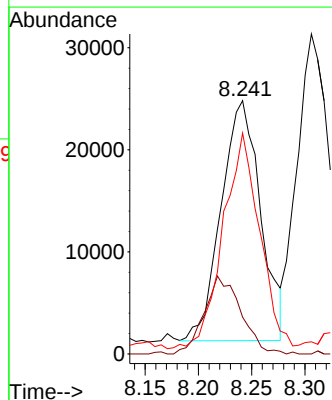
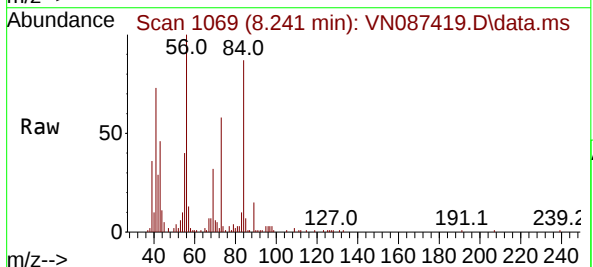
Manual Integrations
APPROVED

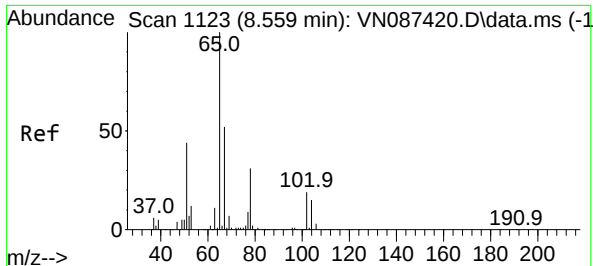
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#26
Cyclohexane
Concen: 6.308 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 56 Resp: 60612
Ion Ratio Lower Upper
56 100
89 29.6 1.5 2.3#
84 83.9 71.2 106.8





#27

1,2-Dichloroethane-d4

Concen: 27.227 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 24960

Ion Ratio Lower Upper

65 100

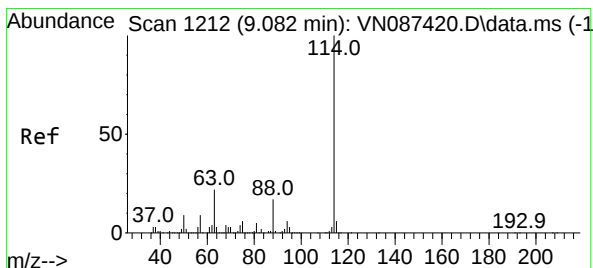
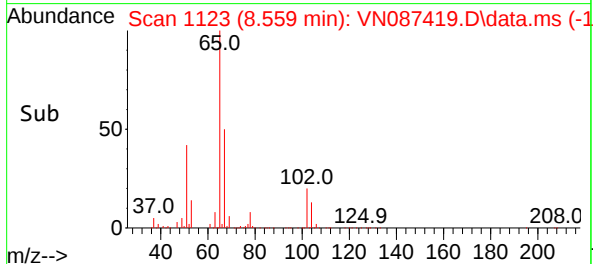
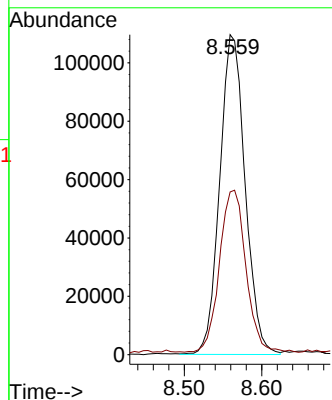
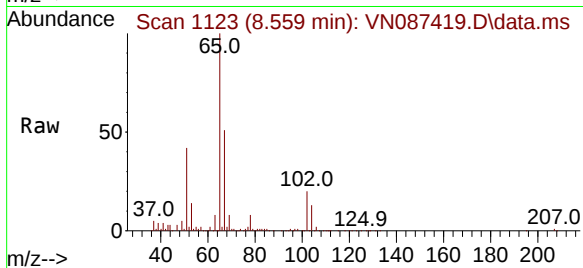
67 52.7 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

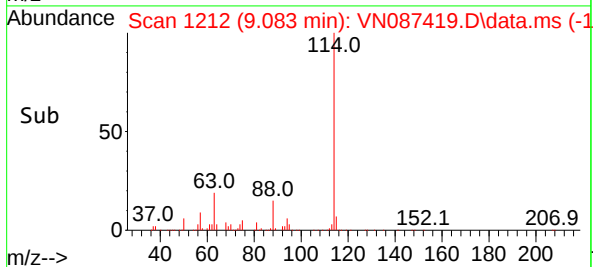
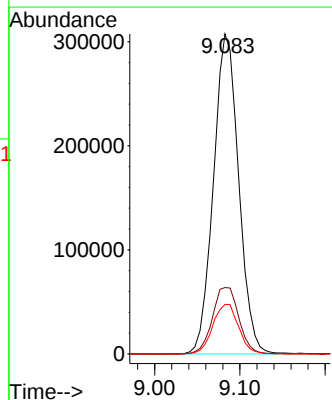
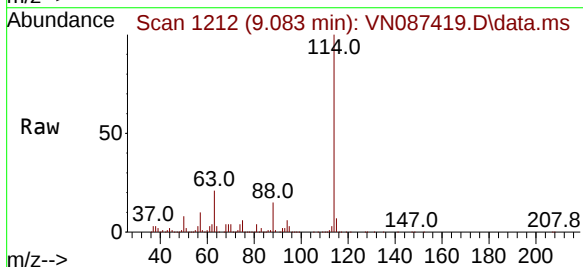
Tgt Ion:114 Resp: 632580

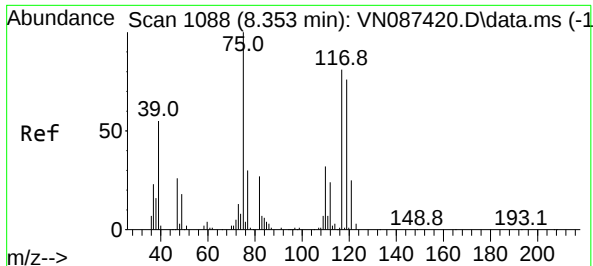
Ion Ratio Lower Upper

114 100

63 21.8 16.8 25.2

88 15.9 12.5 18.7





#29
1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :

MSVOA_N

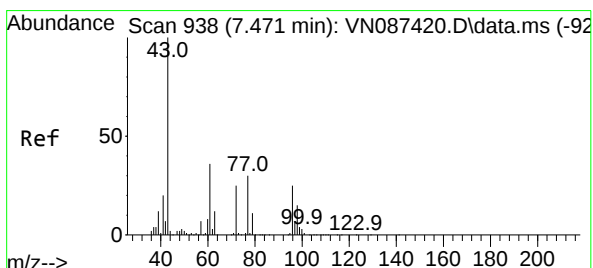
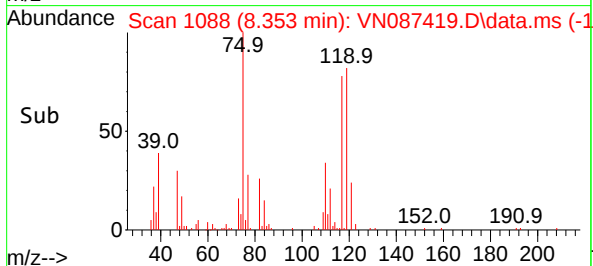
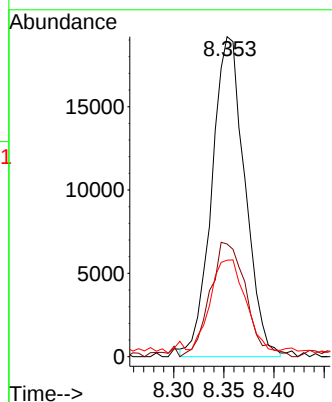
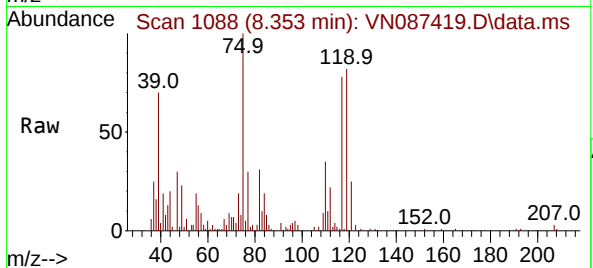
ClientSampleId :

VSTDICC005

Tgt Ion: 75 Resp: 4400
Ion Ratio Lower Upper
75 100
110 39.1 0.0 66.4
77 29.4 0.0 61.6

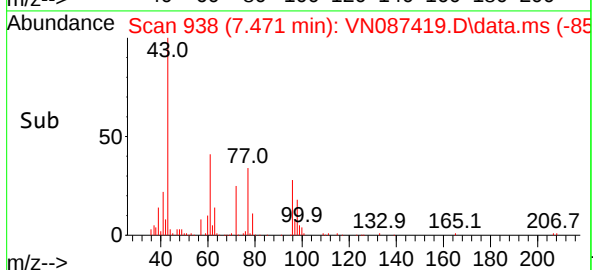
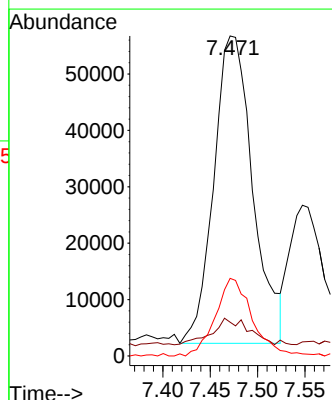
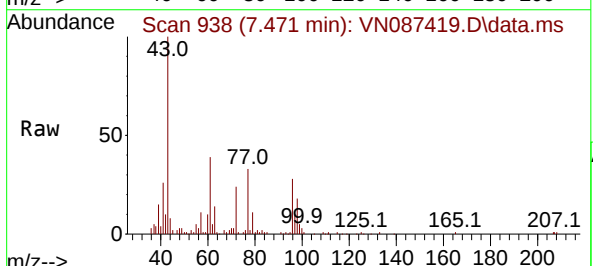
Manual Integrations
APPROVED

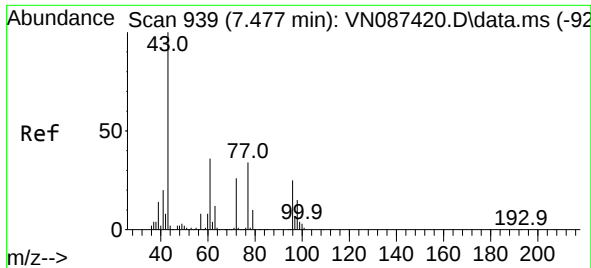
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#30
2-Butanone
Concen: 21.262 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 43 Resp: 156277
Ion Ratio Lower Upper
43 100
57 5.1 6.6 9.8#
72 23.8 20.6 30.8





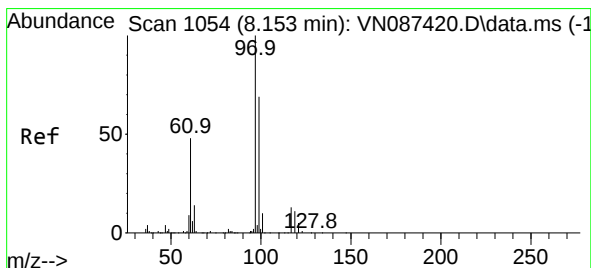
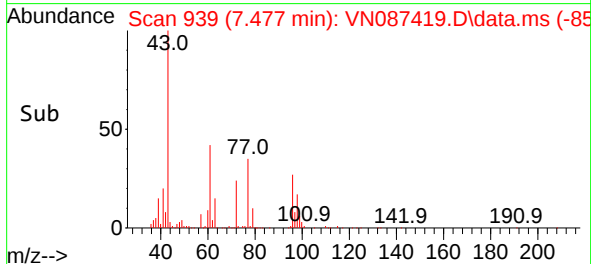
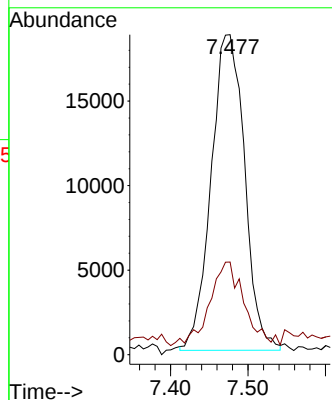
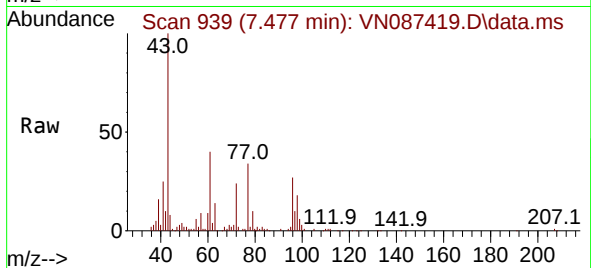
#31
2,2-Dichloropropane
Concen: 3.959 ug/l
RT: 7.477 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 5611
Ion Ratio Lower Upper
77 100
97 23.1 17.1 25.7

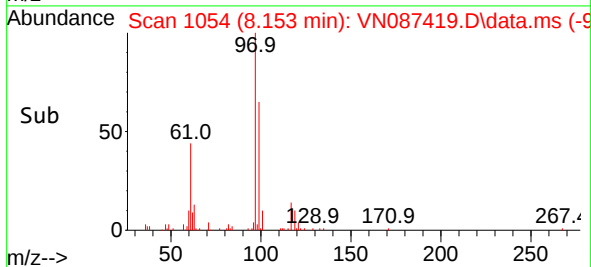
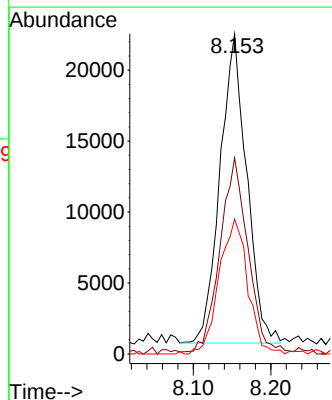
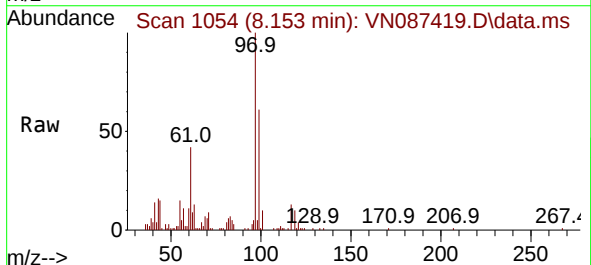
Manual Integrations
APPROVED

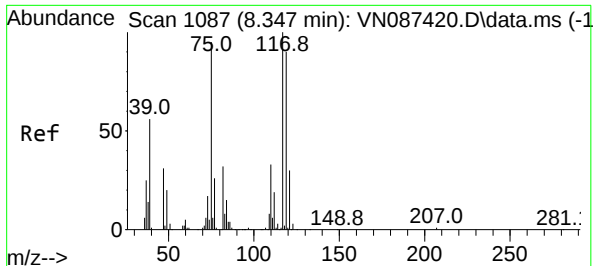
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#32
1,1,1-Trichloroethane
Concen: 3.702 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

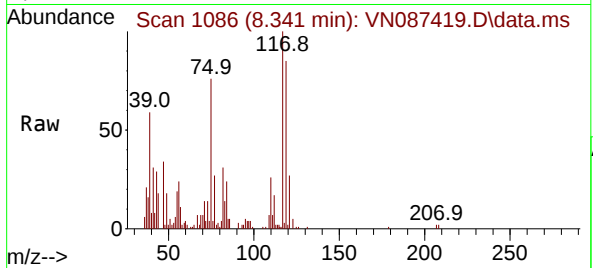
Tgt Ion: 97 Resp: 52285
Ion Ratio Lower Upper
97 100
99 67.0 51.0 76.6
61 46.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 3.457 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

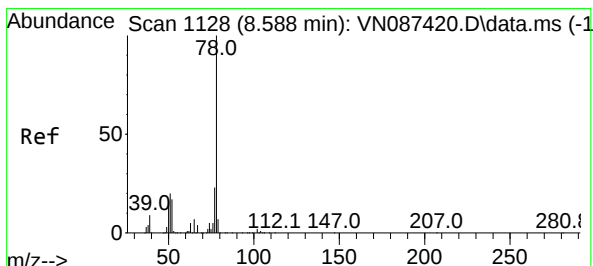
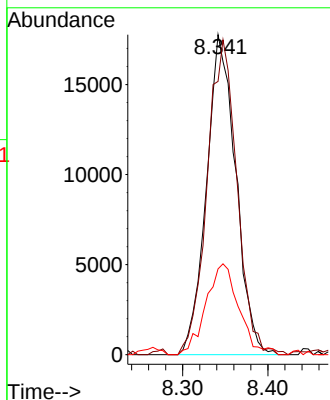
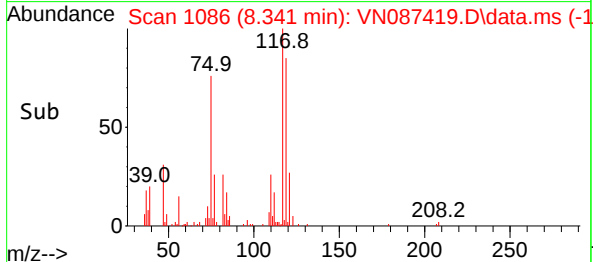
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



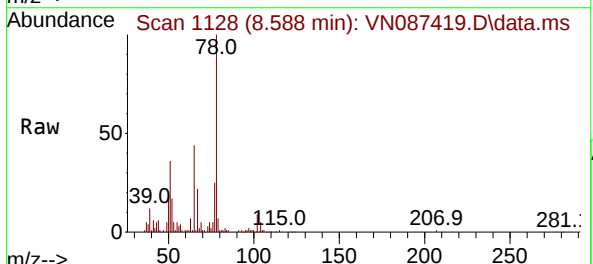
Tgt Ion: 117 Resp: 4242
Ion Ratio Lower Upper
117 100
119 85.4 72.7 109.1
121 26.8 21.1 31.7

Manual Integrations
APPROVED

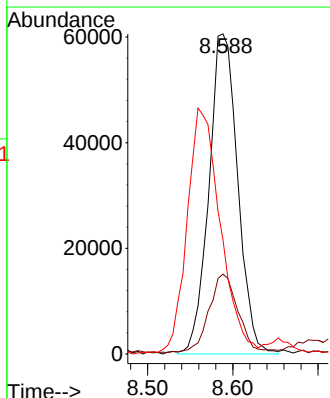
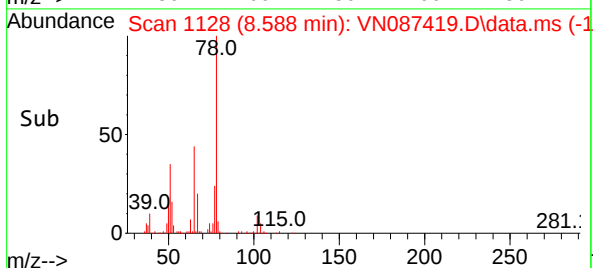
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

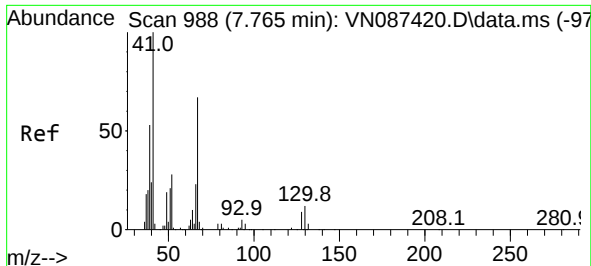


#34
Benzene
Concen: 4.094 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



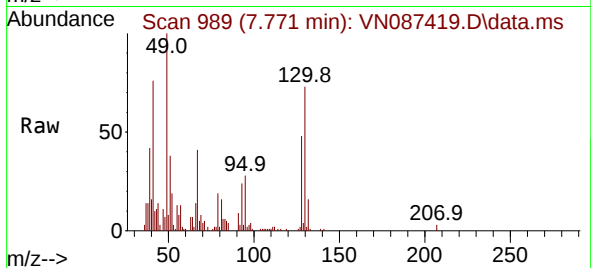
Tgt Ion: 78 Resp: 142708
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2
51 30.8 13.8 20.8





#35
Methacrylonitrile
Concen: 4.665 ug/l
RT: 7.771 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

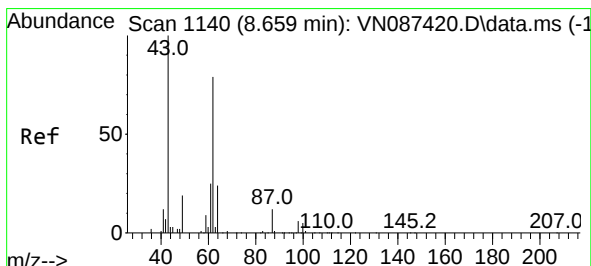
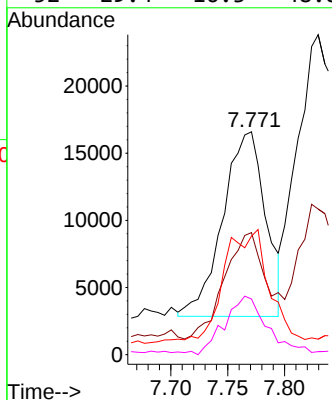
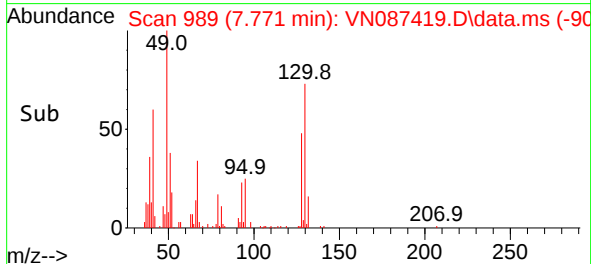
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 41 Resp: 36058
Ion Ratio Lower Upper
41 100
39 57.9 31.0 93.0
67 57.1 36.8 110.3
52 29.4 16.3 48.8

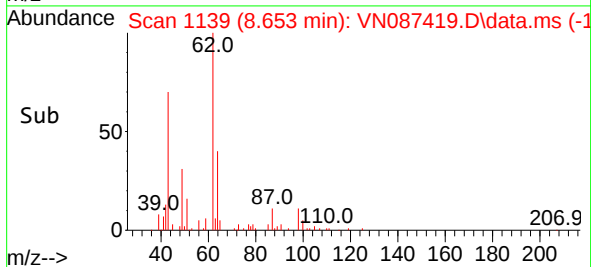
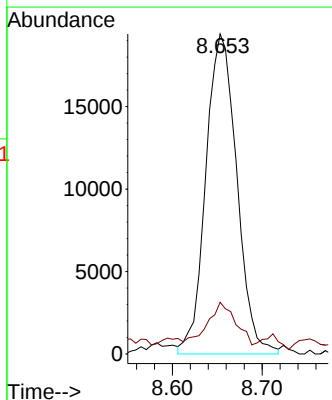
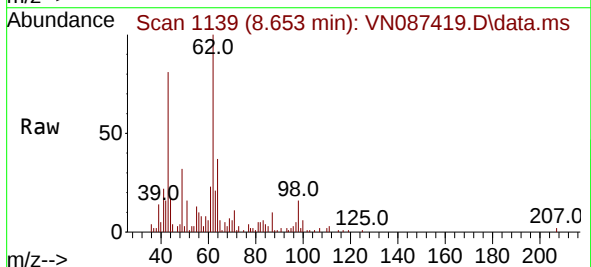
Manual Integrations
APPROVED

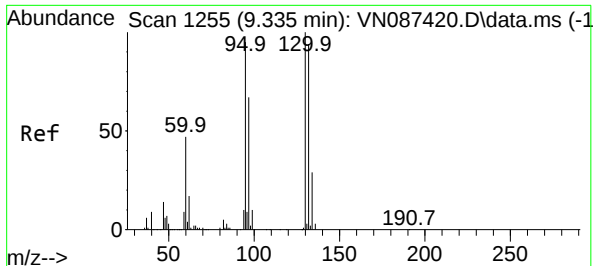
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#36
1,2-Dichloroethane
Concen: 3.390 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 62 Resp: 46622
Ion Ratio Lower Upper
62 100
98 11.8 6.6 9.8#





#37

Trichloroethene

Concen: 4.266 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 33934

Ion Ratio Lower Upper

130 100

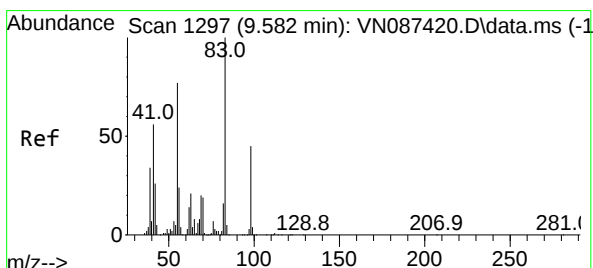
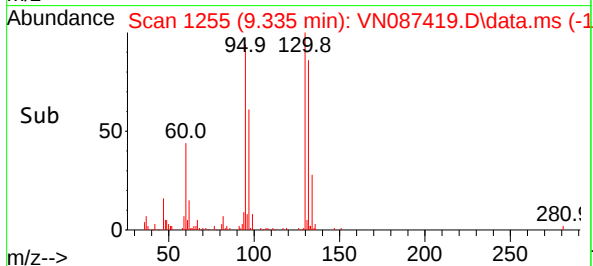
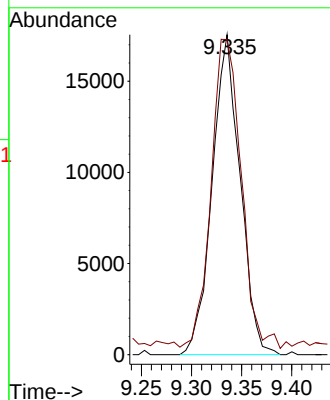
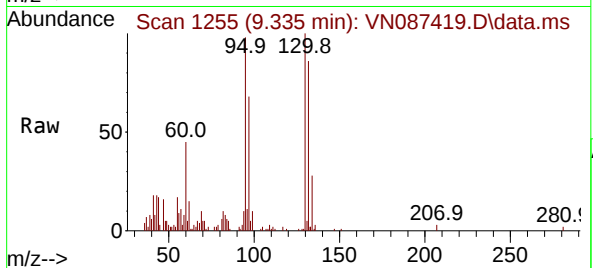
95 96.5 82.4 123.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Methylcyclohexane

Concen: 5.300 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

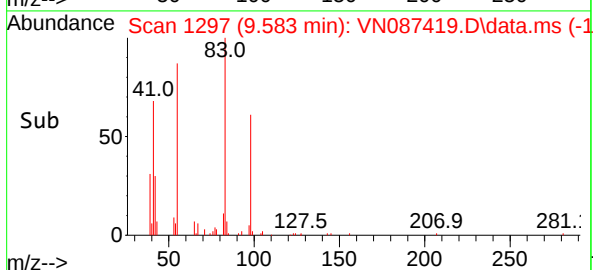
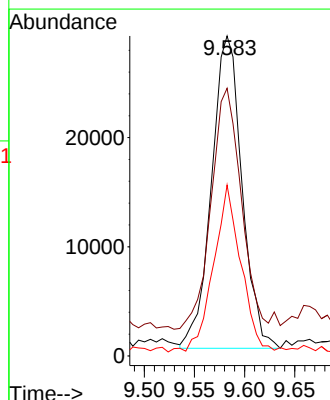
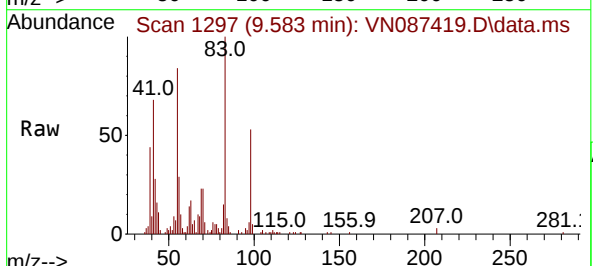
Tgt Ion: 83 Resp: 60463

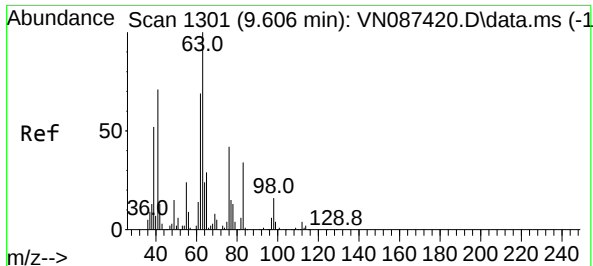
Ion Ratio Lower Upper

83 100

55 75.9 40.9 122.8

98 47.5 25.6 76.6





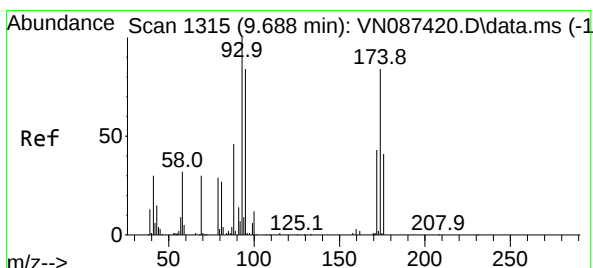
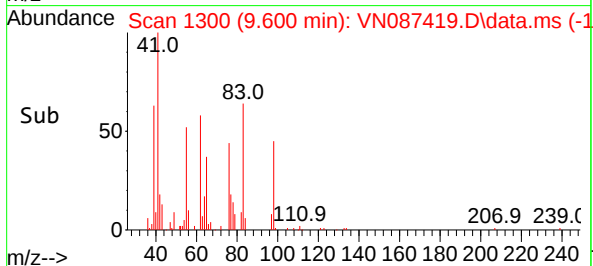
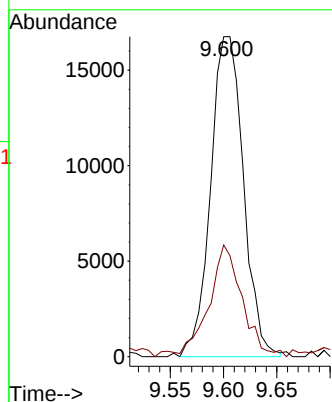
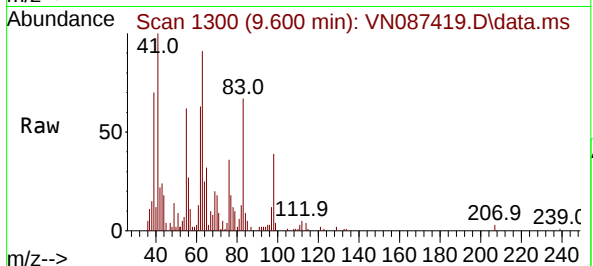
#39
1,2-Dichloropropane
Concen: 4.098 ug/l
RT: 9.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 63 Resp: 3588
Ion Ratio Lower Upper
63 100
65 33.9 26.1 39.1

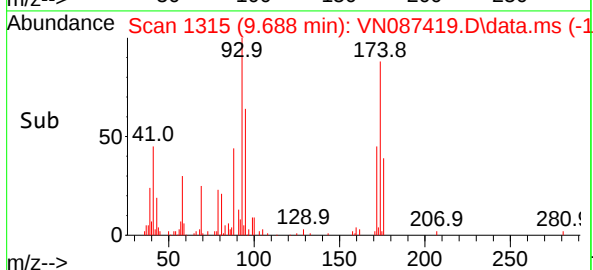
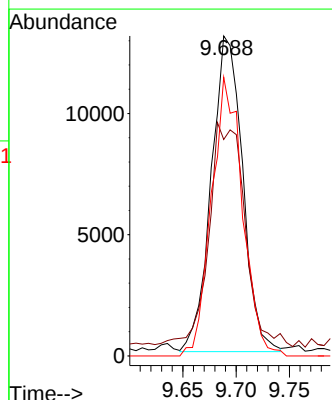
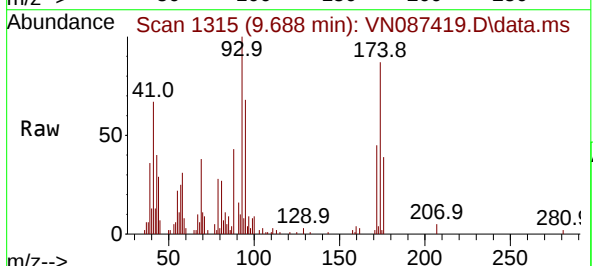
Manual Integrations
APPROVED

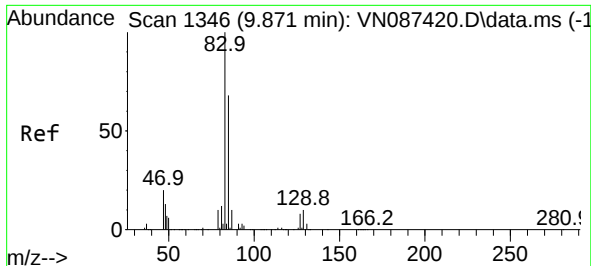
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#40
Dibromomethane
Concen: 3.935 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

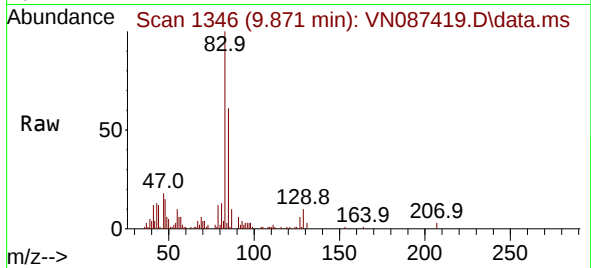
Tgt Ion: 93 Resp: 26662
Ion Ratio Lower Upper
93 100
95 35.1 0.0 161.8
174 87.2 0.0 177.6





#41
Bromodichloromethane
Concen: 3.795 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

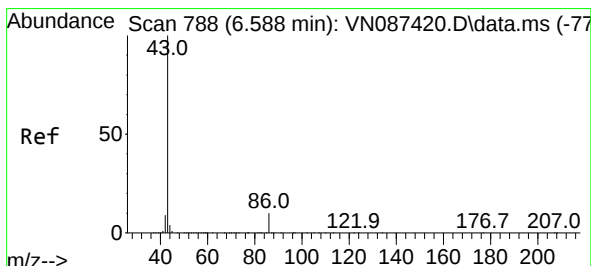
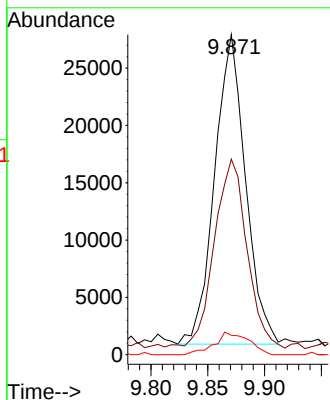
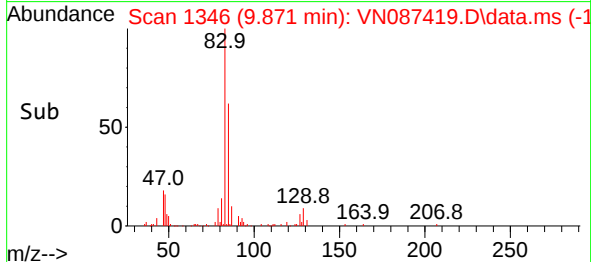
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 83 Resp: 51054
Ion Ratio Lower Upper
83 100
85 60.0 46.2 69.2
127 6.3 6.1 9.1

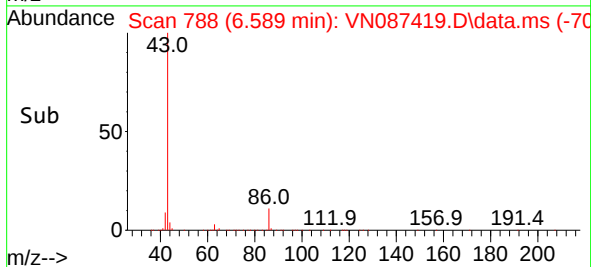
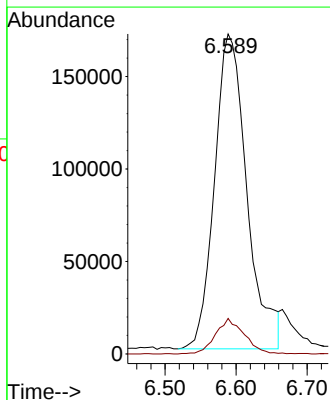
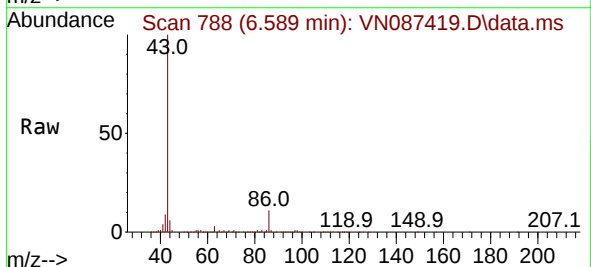
Manual Integrations
APPROVED

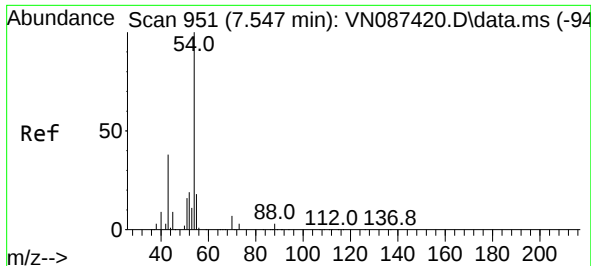
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#42
Vinyl Acetate
Concen: 21.680 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion: 43 Resp: 539799
Ion Ratio Lower Upper
43 100
86 10.0 8.1 12.1





#43

Ethyl Acetate

Concen: 4.007 ug/l

RT: 7.547 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087419.D

Acq: 28 Jul 2025 09:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 5996

Ion Ratio Lower Upper

43 100

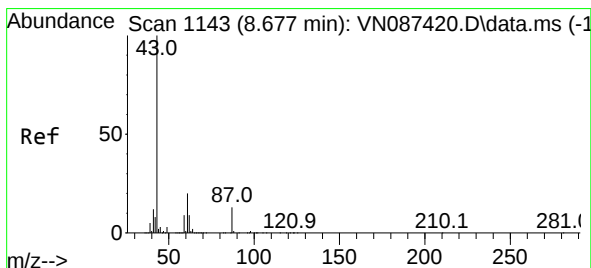
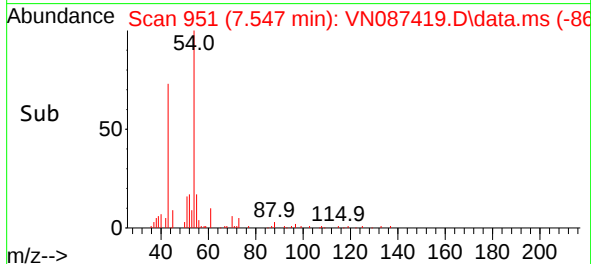
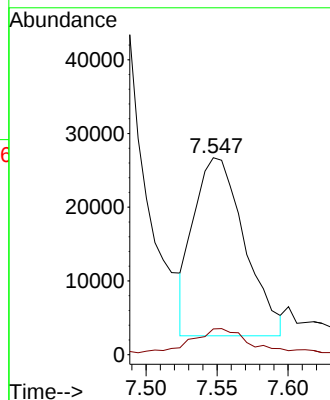
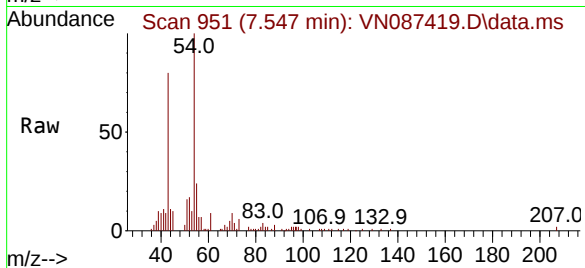
45 17.3 5.6 8.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2025

Supervised By :Mahesh Dadoda 07/29/2025



#44

Isopropyl Acetate

Concen: 4.185 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VN087419.D

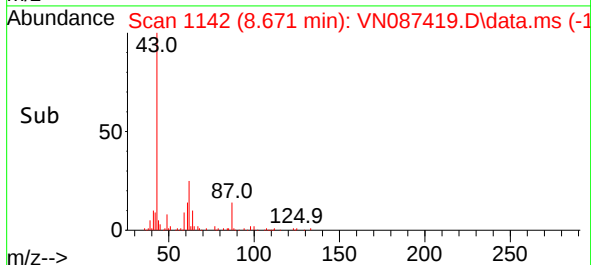
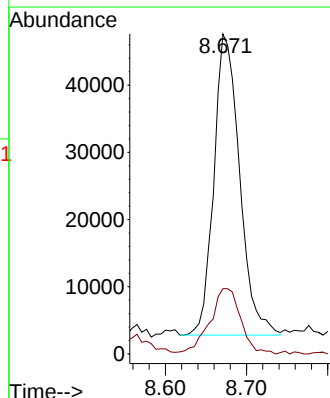
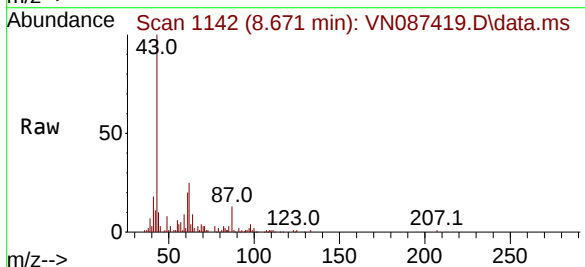
Acq: 28 Jul 2025 09:06

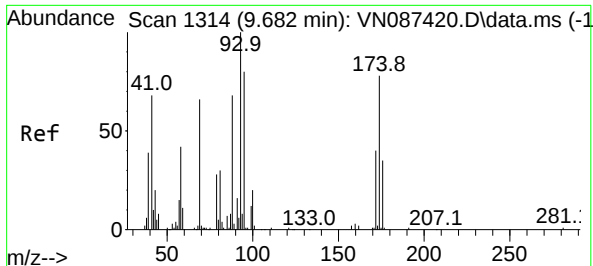
Tgt Ion: 43 Resp: 98859

Ion Ratio Lower Upper

43 100

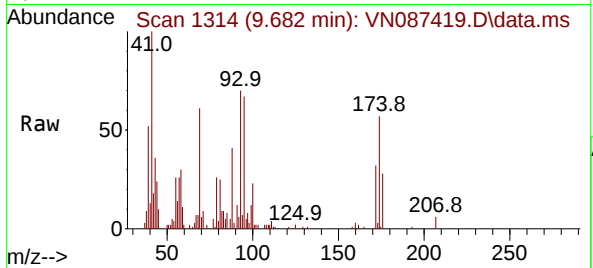
61 25.5 20.1 30.1





#45
1,4-Dioxane
Concen: 91.864 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

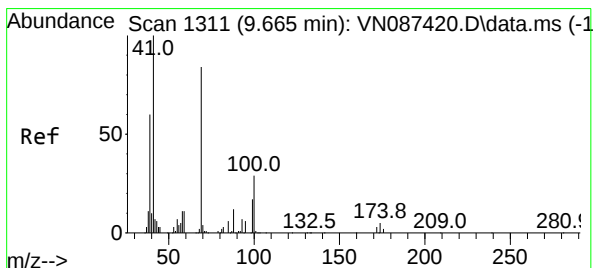
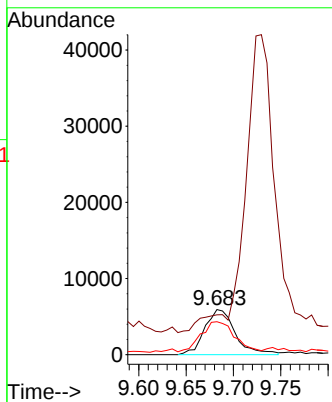
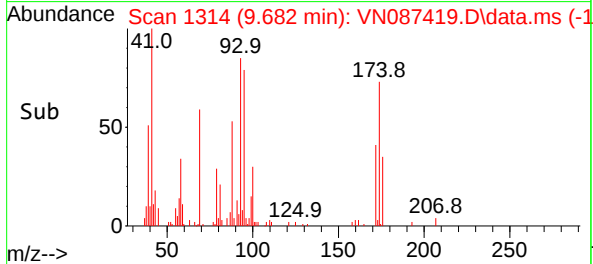
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



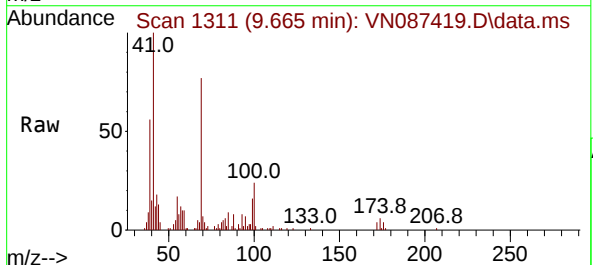
Tgt Ion: 88 Resp: 13370
Ion Ratio Lower Upper
88 100
43 37.4 29.6 44.4
58 71.7 23.5 35.3

Manual Integrations
APPROVED

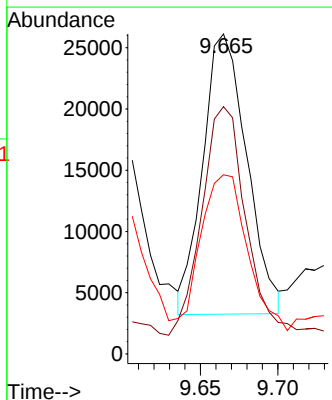
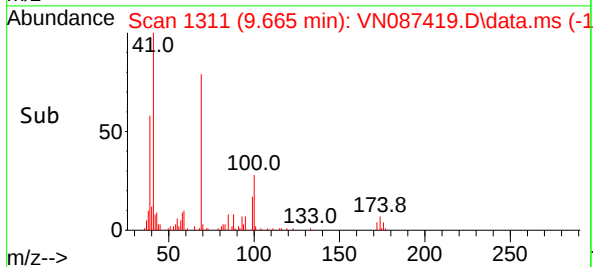
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

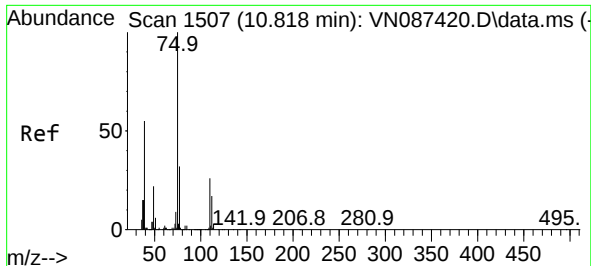


#46
Methyl methacrylate
Concen: 4.147 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



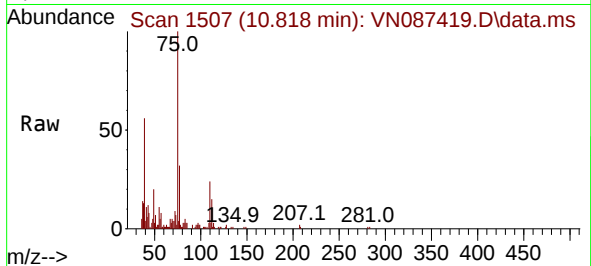
Tgt Ion: 41 Resp: 45109
Ion Ratio Lower Upper
41 100
69 83.8 39.5 118.5
39 55.8 31.6 94.7





#48
t-1,3-Dichloropropene
Concen: 3.873 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

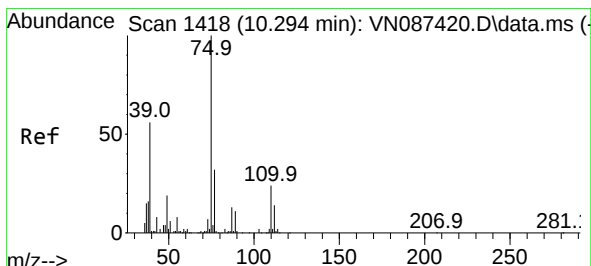
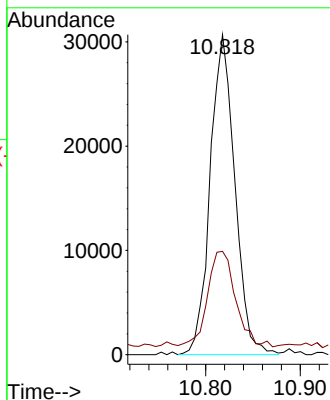
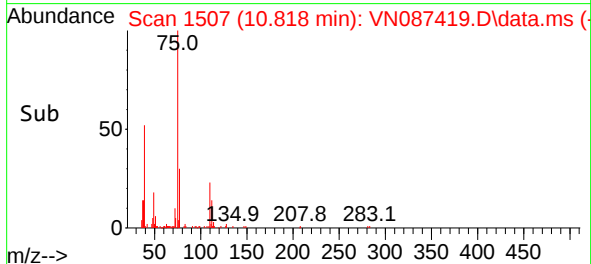
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



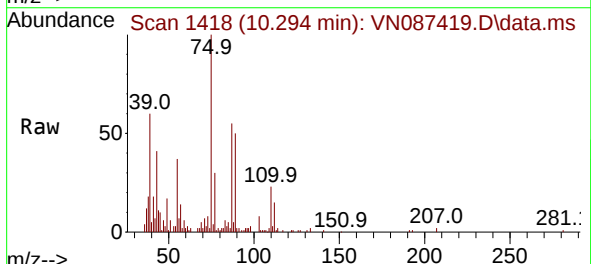
Tgt Ion: 75 Resp: 55578
Ion Ratio Lower Upper
75 100
77 29.4 23.6 35.4

Manual Integrations
APPROVED

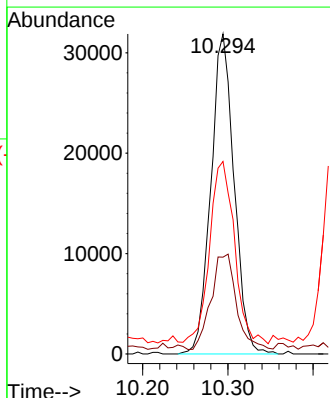
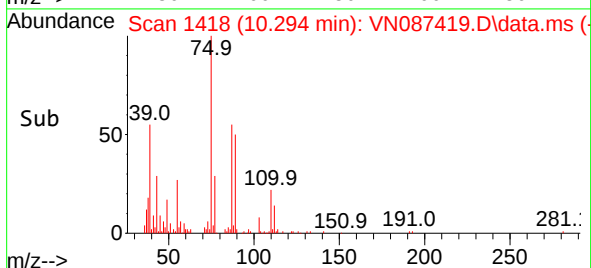
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

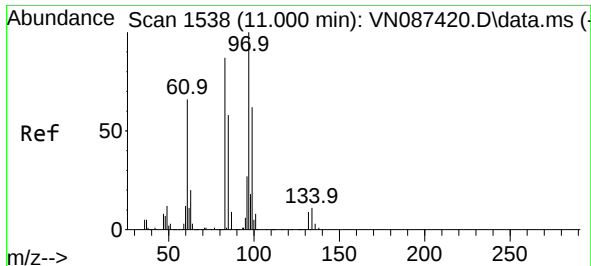


#49
cis-1,3-Dichloropropene
Concen: 4.216 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



Tgt Ion: 75 Resp: 60505
Ion Ratio Lower Upper
75 100
77 27.5 27.4 41.0
39 56.4 46.3 69.5





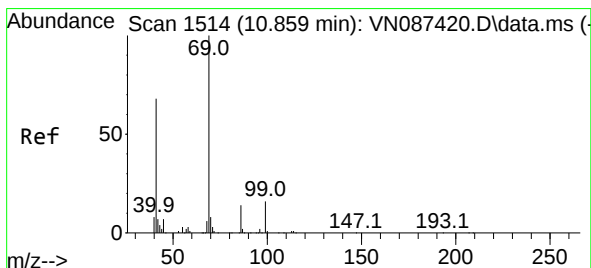
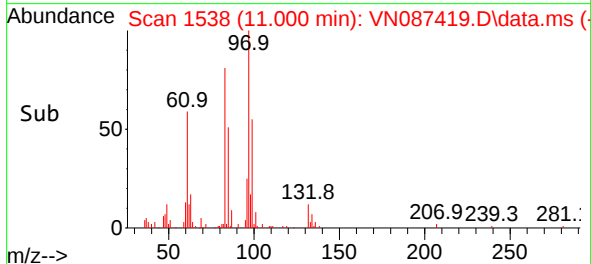
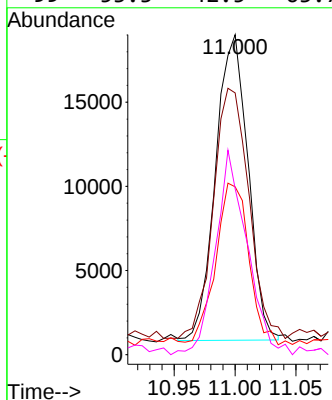
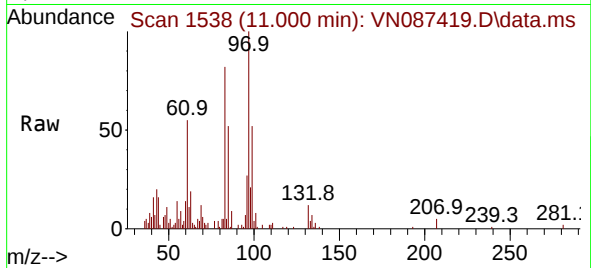
#50
1,1,2-Trichloroethane
Concen: 3.841 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	97	Resp:	3360
Ion Ratio	Lower	Upper	
97	100		
83	80.8	68.9	103.3
85	52.0	42.2	63.2
99	53.3	42.5	63.7

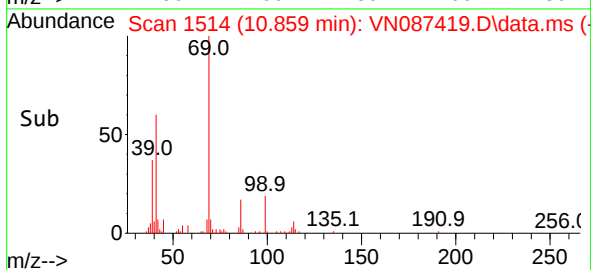
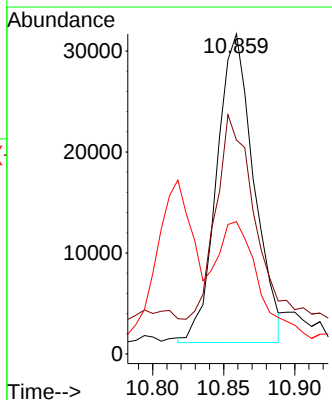
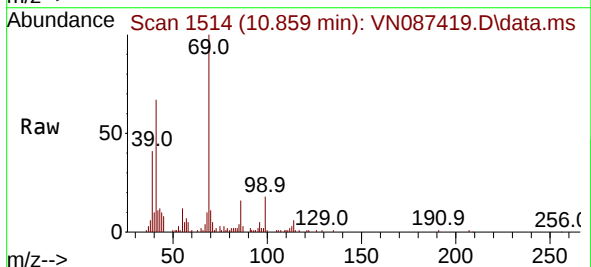
Manual Integrations
APPROVED

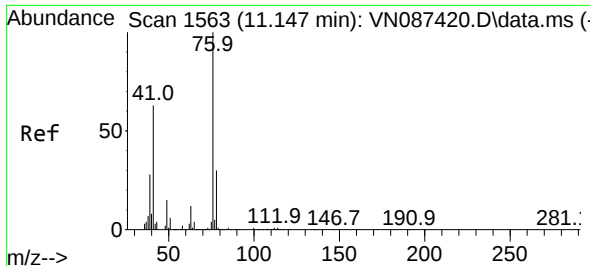
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#51
Ethyl methacrylate
Concen: 4.143 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

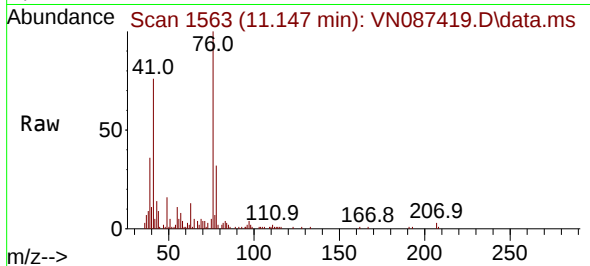
Tgt Ion:	69	Resp:	55437
Ion Ratio	Lower	Upper	
69	100		
41	58.8	33.7	101.1
39	31.6	21.6	65.0





#52
1,3-Dichloropropane
Concen: 3.830 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

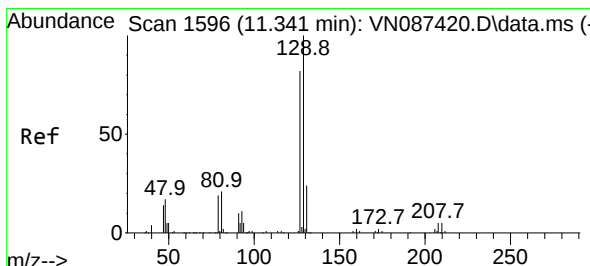
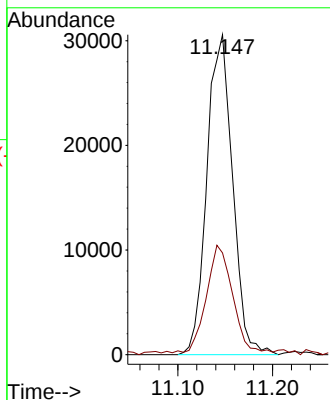
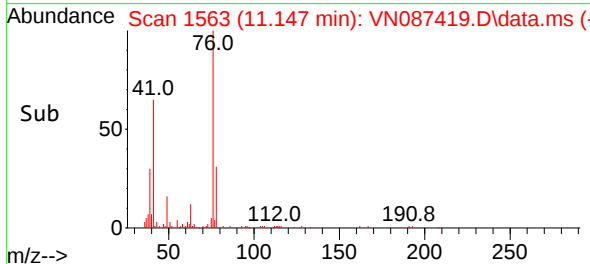
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



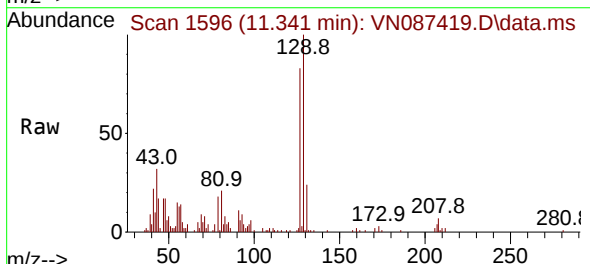
Tgt Ion: 76 Resp: 57620
Ion Ratio Lower Upper
76 100
78 34.6 0.0 67.4

Manual Integrations
APPROVED

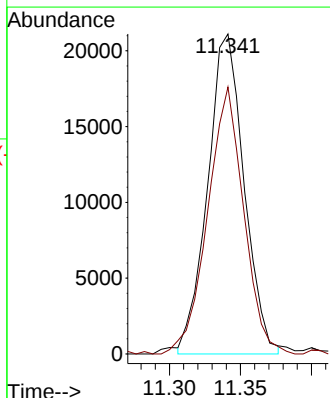
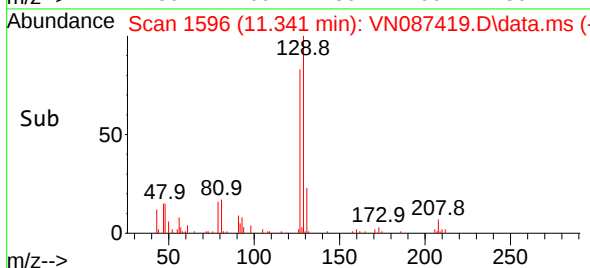
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

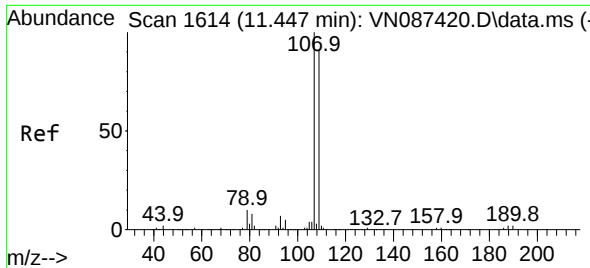


#53
Dibromochloromethane
Concen: 3.671 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



Tgt Ion:129 Resp: 37647
Ion Ratio Lower Upper
129 100
127 82.6 38.7 116.1





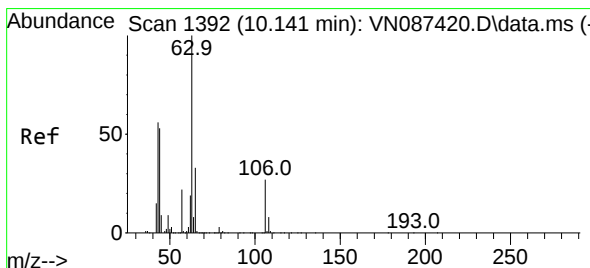
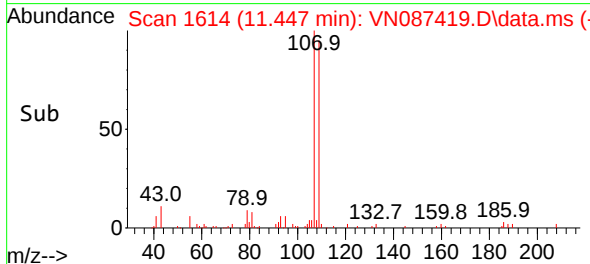
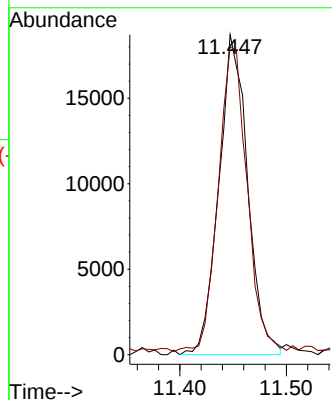
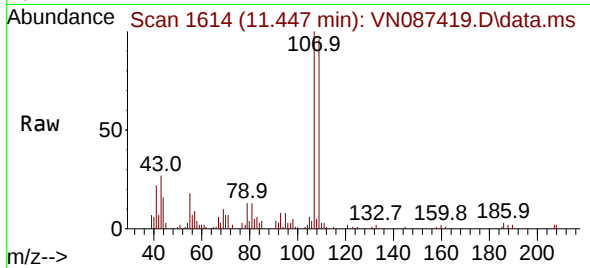
#54
1,2-Dibromoethane
Concen: 3.918 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:107 Resp: 3513
Ion Ratio Lower Upper
107 100
109 94.9 74.6 112.0

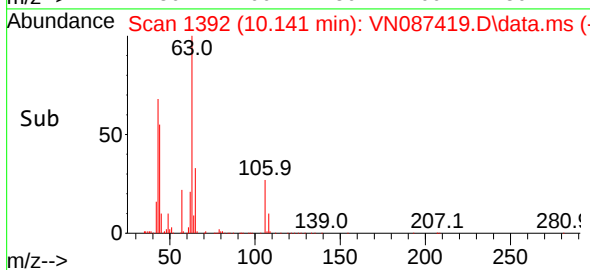
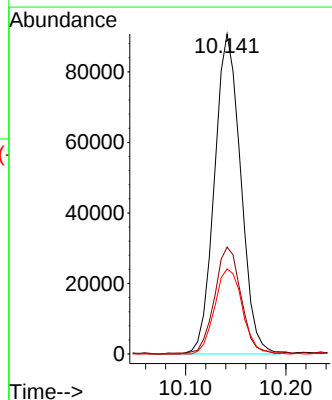
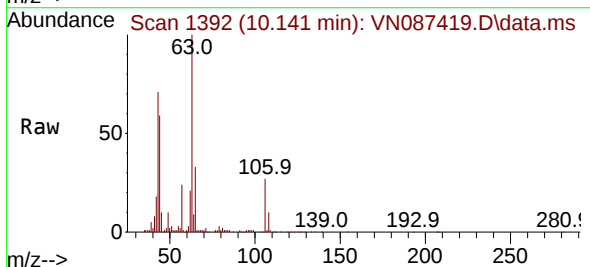
Manual Integrations
APPROVED

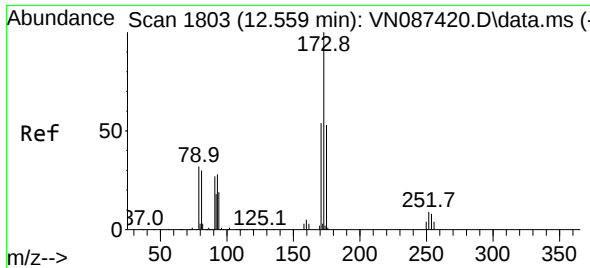
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#55
2-Chloroethyl vinyl ether
Concen: 22.140 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

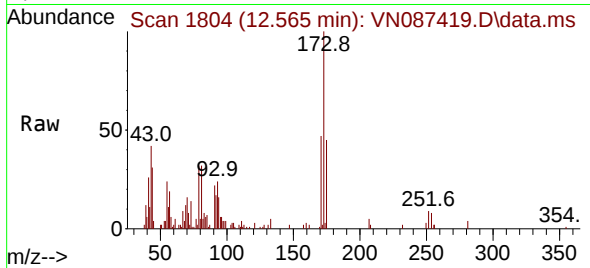
Tgt Ion: 63 Resp: 164801
Ion Ratio Lower Upper
63 100
65 32.9 25.8 38.8
106 28.0 23.0 34.4





#56
Bromoform
Concen: 3.572 ug/l
RT: 12.565 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

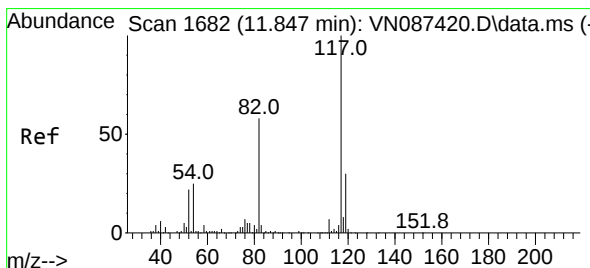
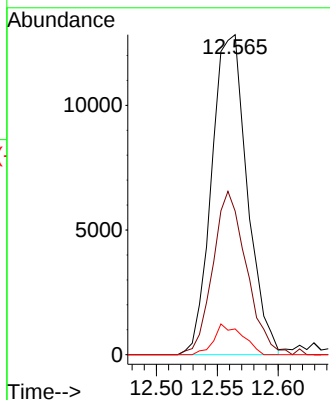
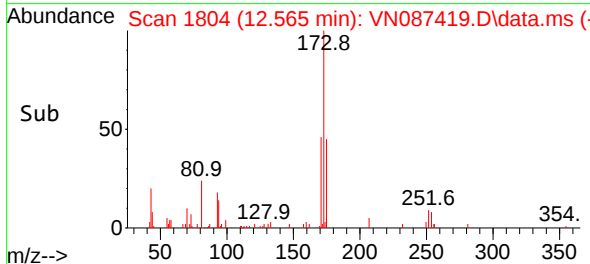
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 26052
Ion Ratio Lower Upper
173 100
175 48.3 38.4 57.6
254 7.7 6.7 10.1

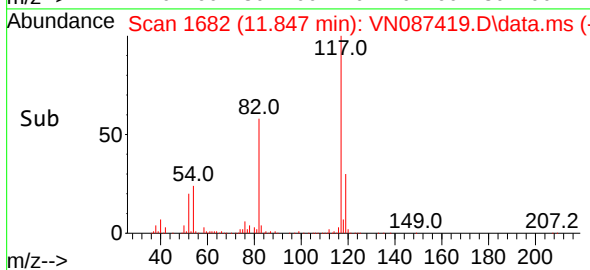
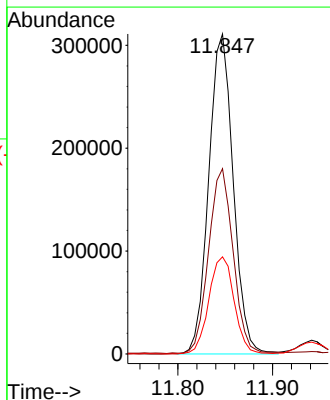
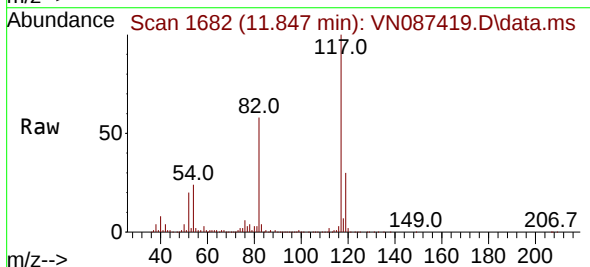
Manual Integrations
APPROVED

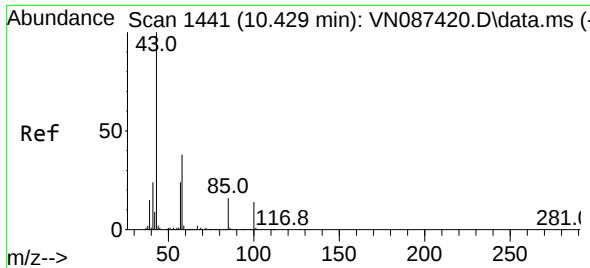
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

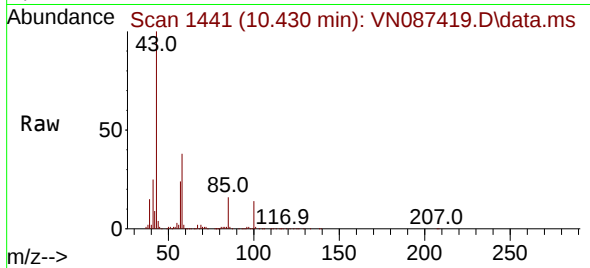
Tgt Ion:117 Resp: 558264
Ion Ratio Lower Upper
117 100
82 57.6 44.1 66.1
119 31.5 25.4 38.2





#58
4-Methyl-2-Pentanone
Concen: 21.881 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

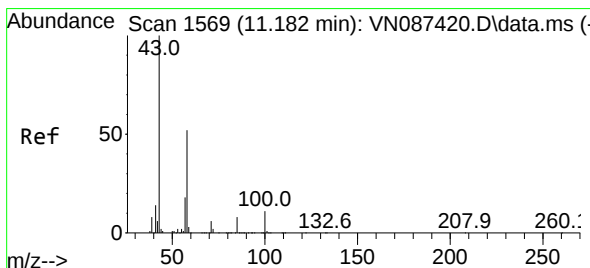
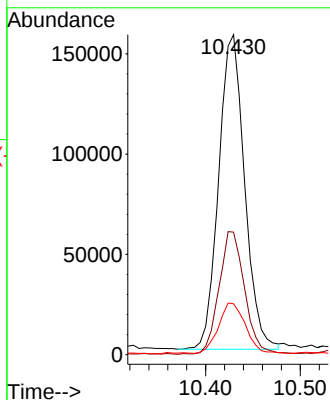
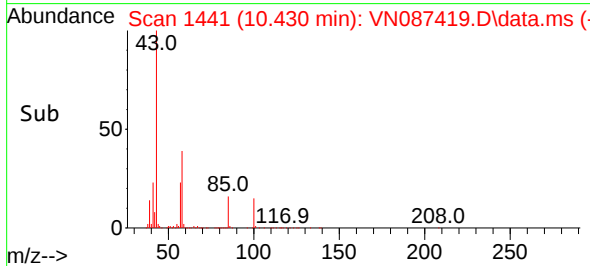
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



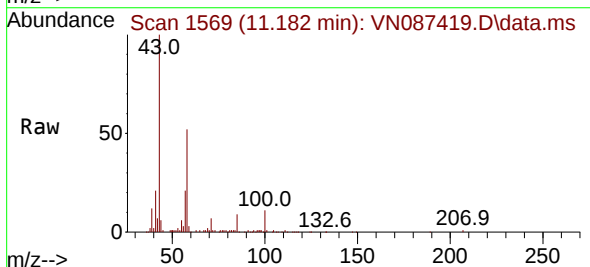
Tgt Ion: 43 Resp: 298702
Ion Ratio Lower Upper
43 100
58 37.9 29.5 44.3
85 17.0 13.3 19.9

Manual Integrations
APPROVED

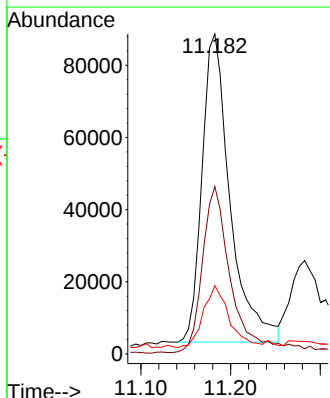
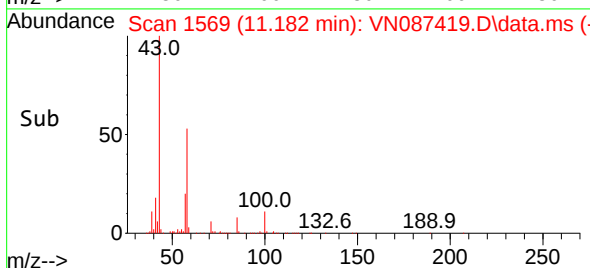
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

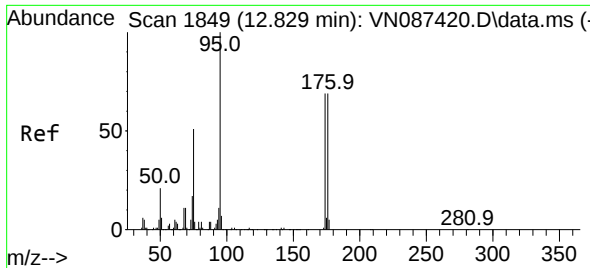


#59
2-Hexanone
Concen: 20.122 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



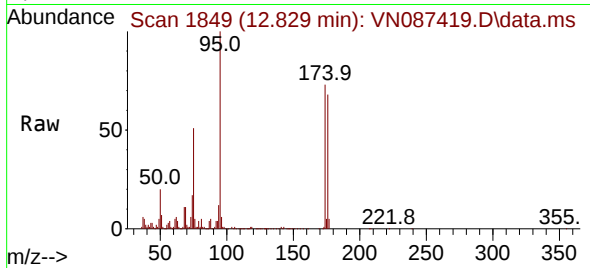
Tgt Ion: 43 Resp: 185403
Ion Ratio Lower Upper
43 100
58 53.4 40.5 60.7
57 18.6 14.0 21.0





#60
4-Bromofluorobenzene
Concen: 28.991 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

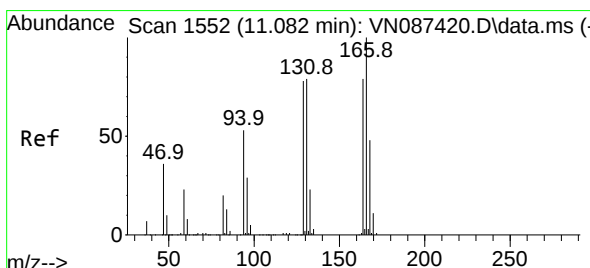
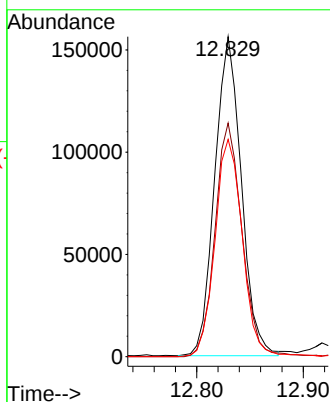
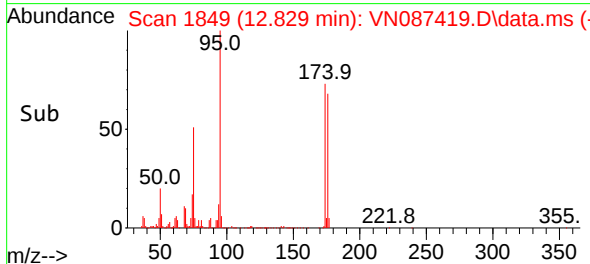
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



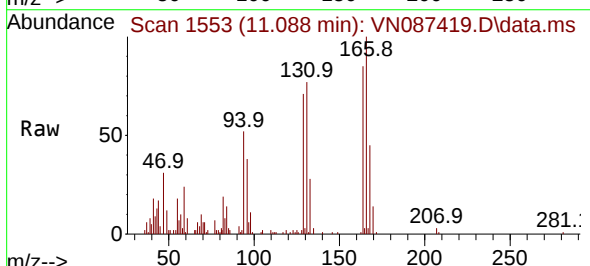
Tgt Ion: 95 Resp: 270010
Ion Ratio Lower Upper
95 100
174 74.4 62.1 93.1
176 70.1 57.9 86.9

Manual Integrations
APPROVED

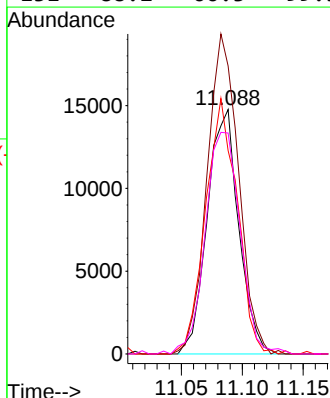
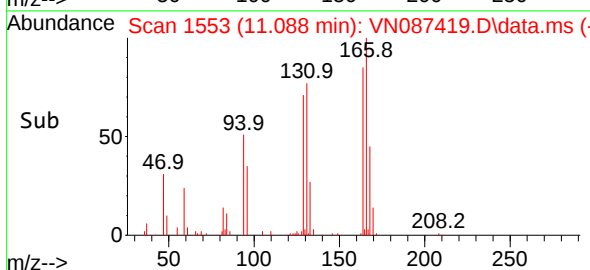
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

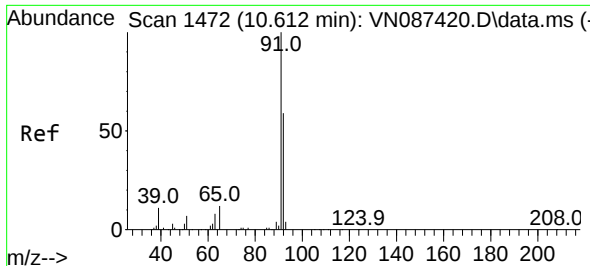


#61
Tetrachloroethene
Concen: 4.256 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



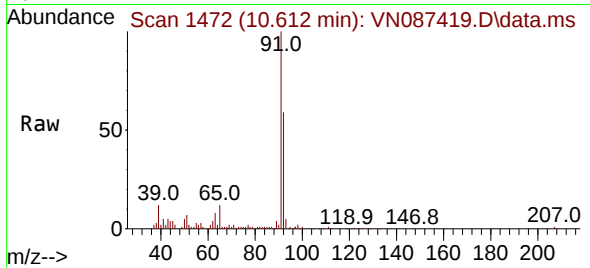
Tgt Ion:164 Resp: 26530
Ion Ratio Lower Upper
164 100
166 116.5 91.7 137.5
129 83.2 77.8 116.6
131 88.2 66.3 99.5





#62
Toluene
Concen: 4.582 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

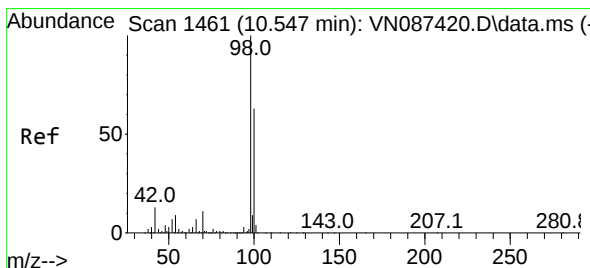
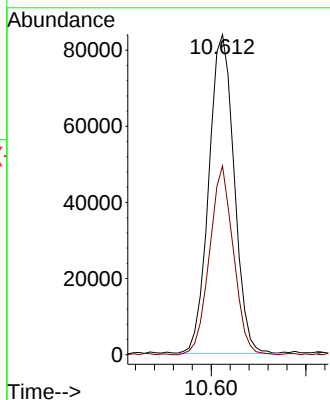
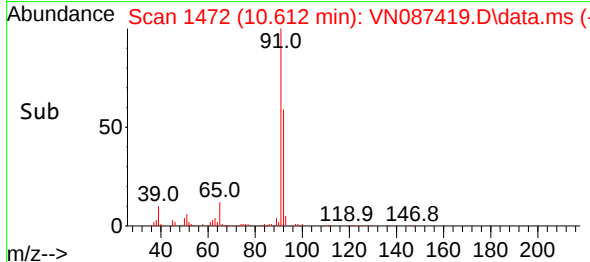
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



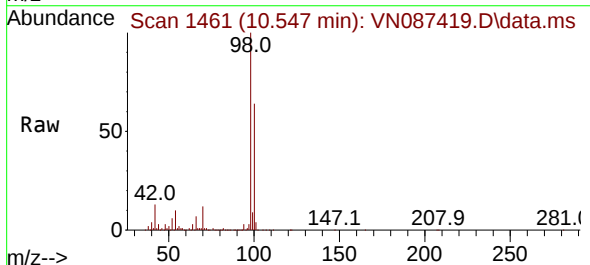
Tgt Ion: 91 Resp: 155772
Ion Ratio Lower Upper
91 100
92 55.9 47.4 71.0

Manual Integrations
APPROVED

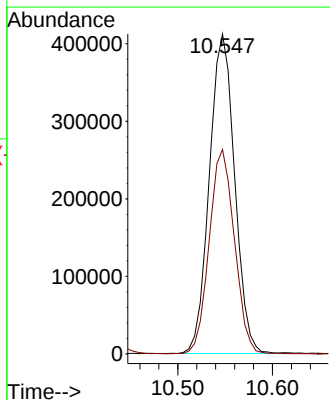
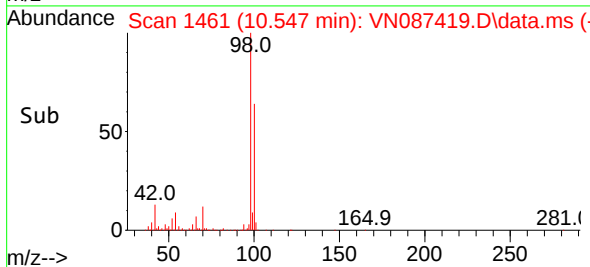
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

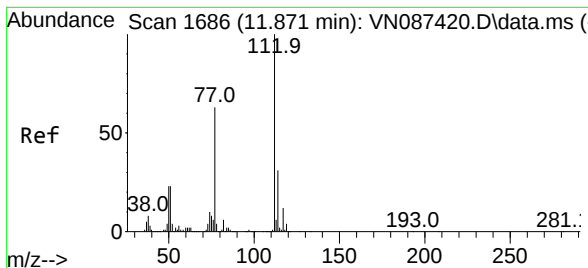


#63
Toluene-d8
Concen: 30.084 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



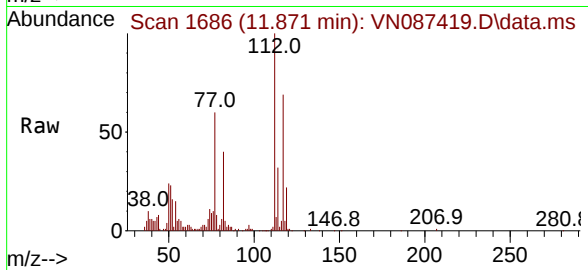
Tgt Ion: 98 Resp: 763779
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7





#64
Chlorobenzene
Concen: 4.434 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

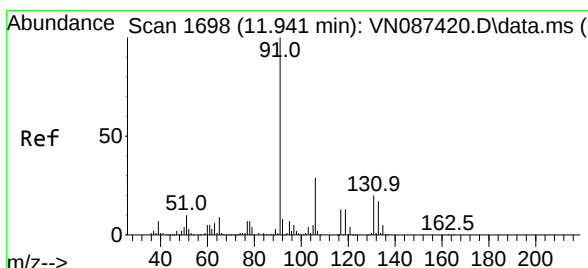
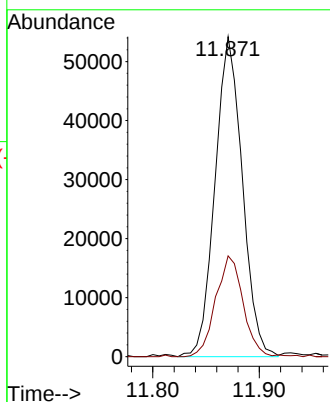
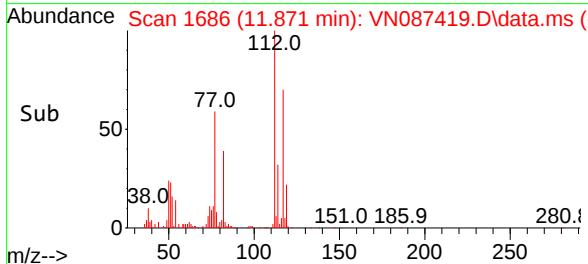
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



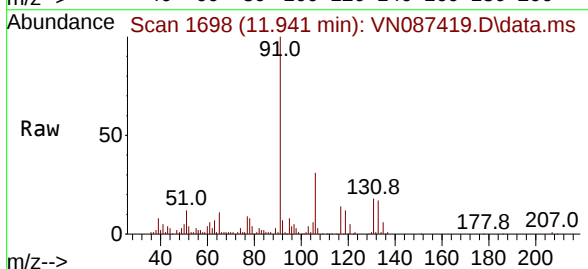
Tgt Ion:112 Resp: 96389
Ion Ratio Lower Upper
112 100
114 31.5 24.0 36.0

Manual Integrations
APPROVED

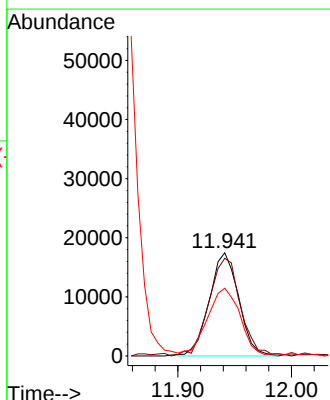
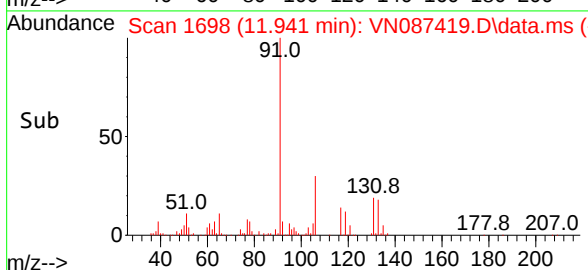
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

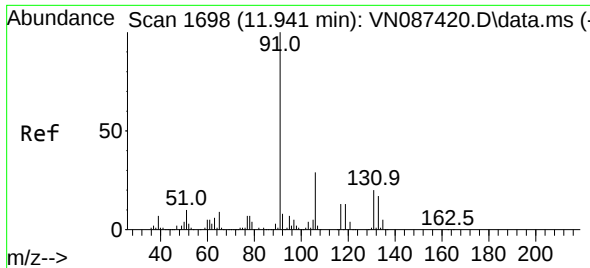


#65
1,1,1,2-Tetrachloroethane
Concen: 3.952 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



Tgt Ion:131 Resp: 31396
Ion Ratio Lower Upper
131 100
133 97.7 0.0 193.0
119 73.2 0.0 128.2





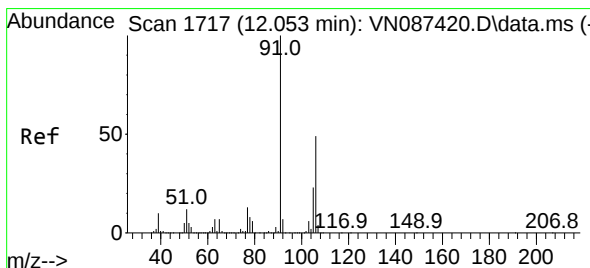
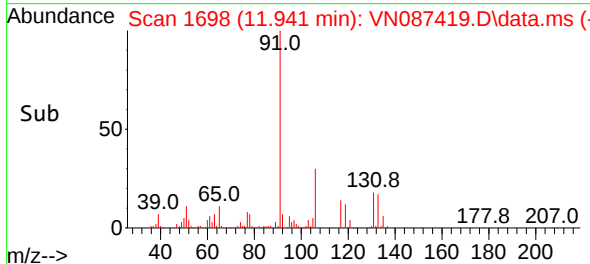
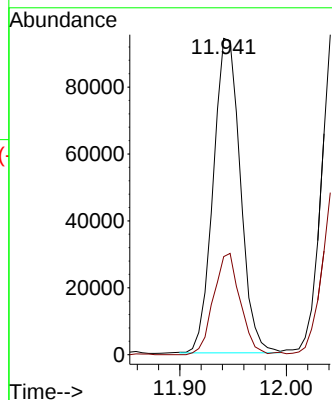
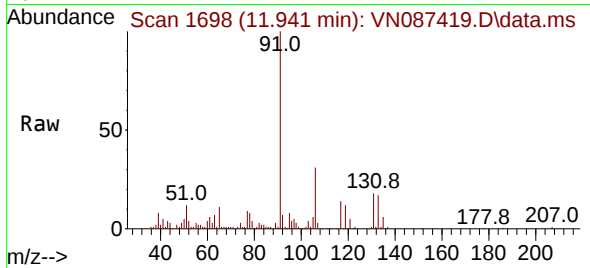
#66
Ethyl Benzene
Concen: 4.517 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 166263
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6

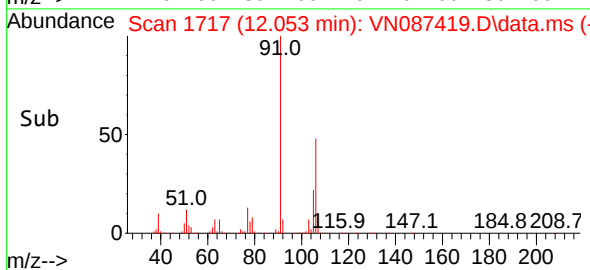
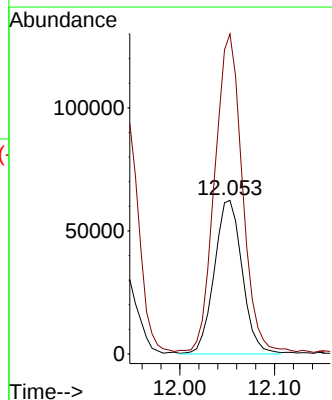
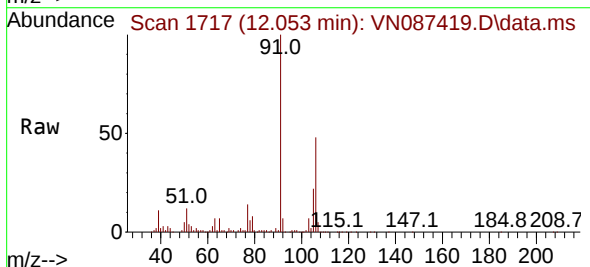
Manual Integrations
APPROVED

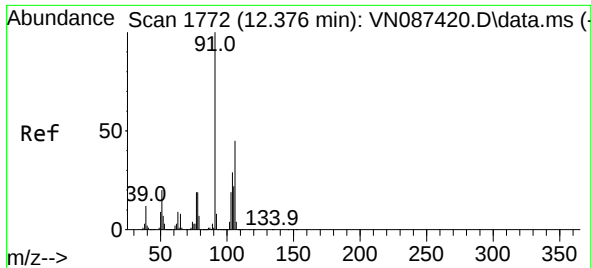
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#67
m/p-Xylenes
Concen: 8.779 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Tgt Ion:106 Resp: 127883
Ion Ratio Lower Upper
106 100
91 205.5 163.4 245.2





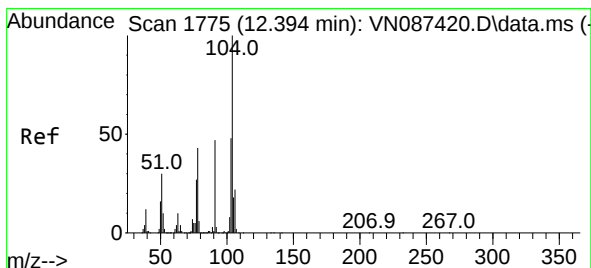
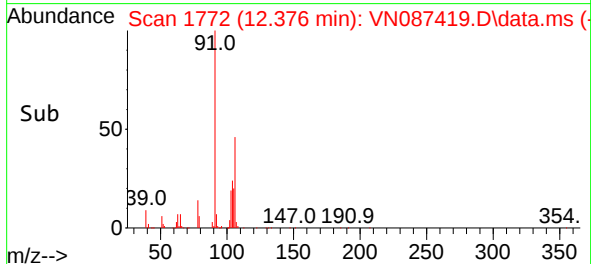
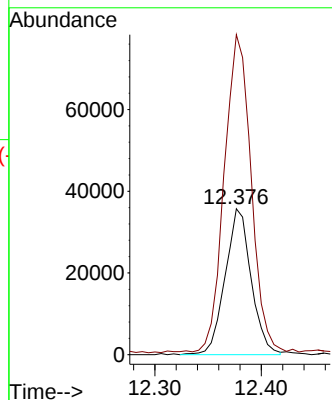
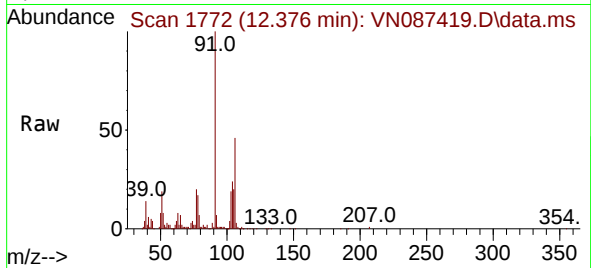
#68
o-Xylene
Concen: 4.334 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 60554
Ion Ratio Lower Upper
106 100
91 224.3 106.6 319.8

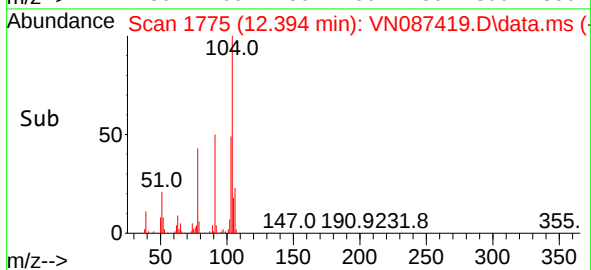
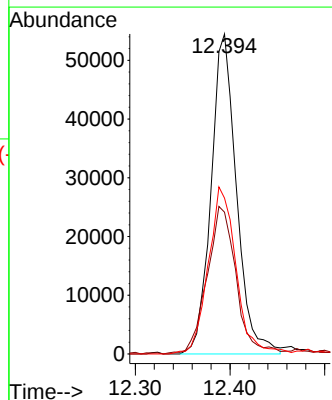
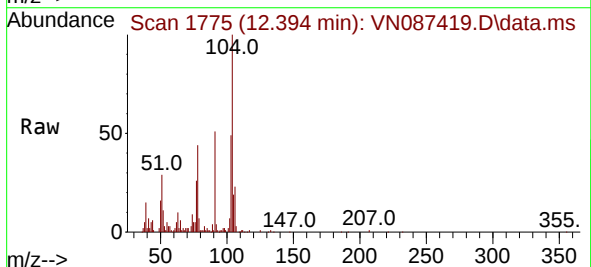
Manual Integrations
APPROVED

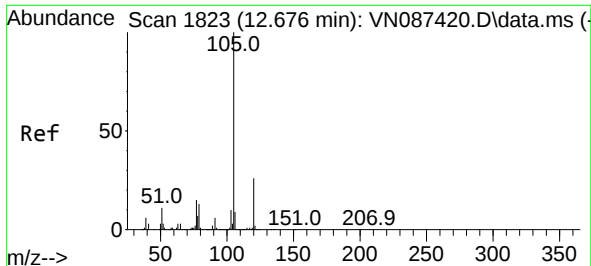
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#69
Styrene
Concen: 4.184 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

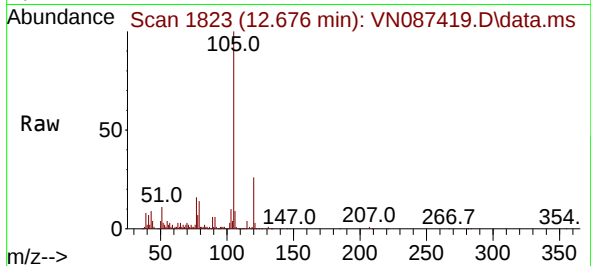
Tgt Ion:104 Resp: 101722
Ion Ratio Lower Upper
104 100
78 49.8 40.7 61.1
103 56.8 43.4 65.2





#70
Isopropylbenzene
Concen: 4.425 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

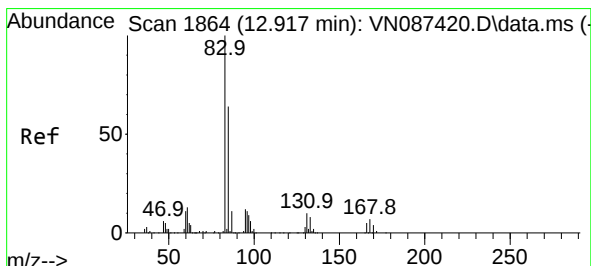
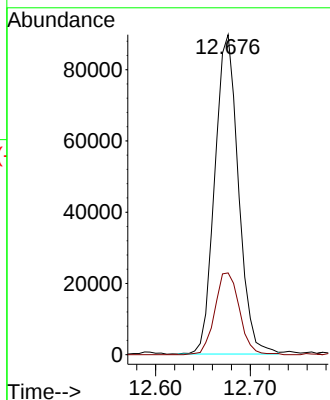
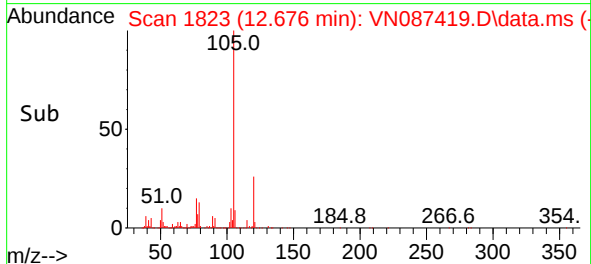
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



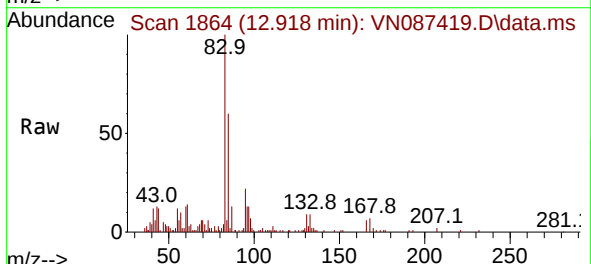
Tgt Ion:105 Resp: 15570
Ion Ratio Lower Upper
105 100
120 26.6 17.6 32.6

Manual Integrations
APPROVED

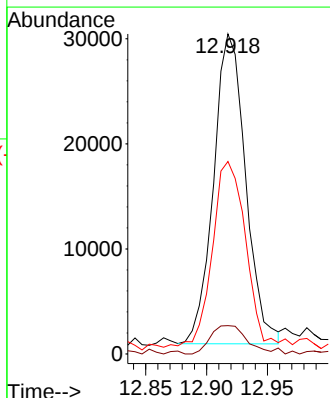
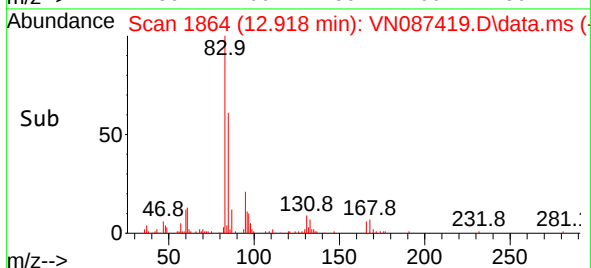
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

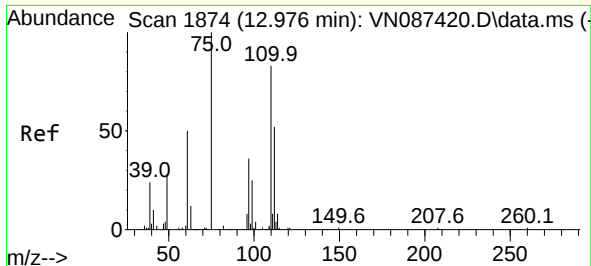


#71
1,1,2,2-Tetrachloroethane
Concen: 4.370 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



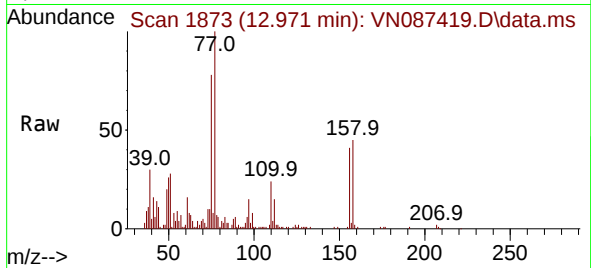
Tgt Ion: 83 Resp: 54103
Ion Ratio Lower Upper
83 100
131 10.3 4.6 13.8
85 61.0 30.6 91.6





#72
1,2,3-Trichloropropane
Concen: 3.815 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

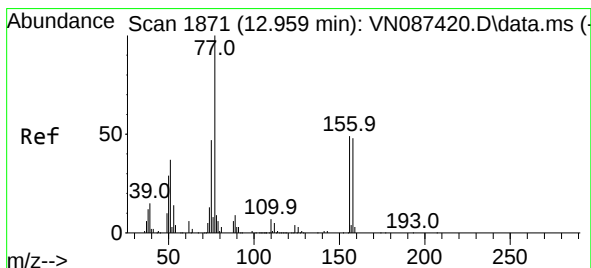
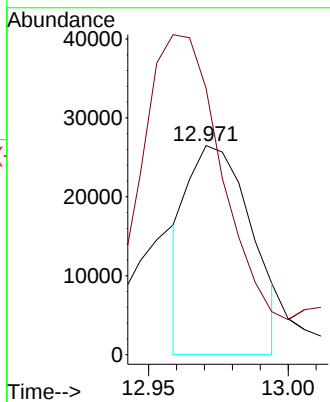
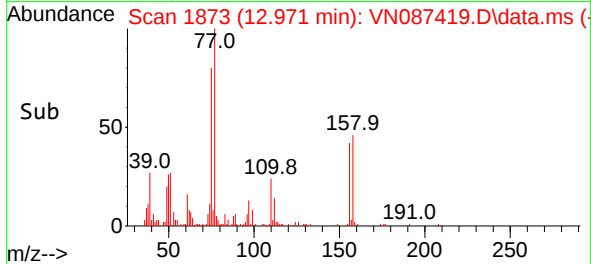
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



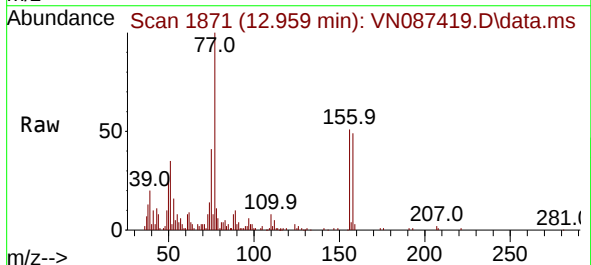
Tgt Ion: 75 Resp: 4219
Ion Ratio Lower Upper
75 100
77 203.2 0.0 361.2

Manual Integrations
APPROVED

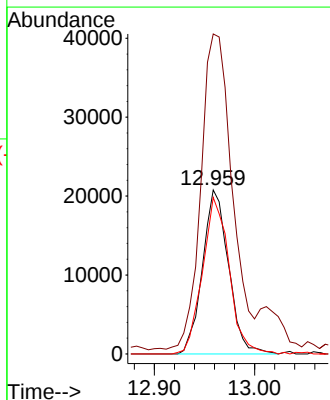
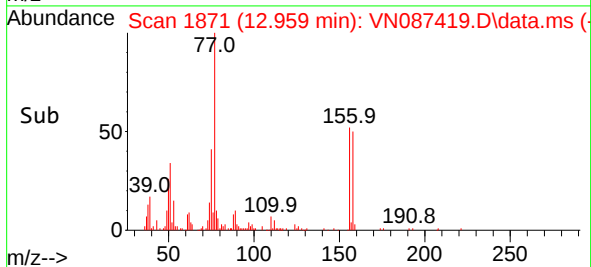
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

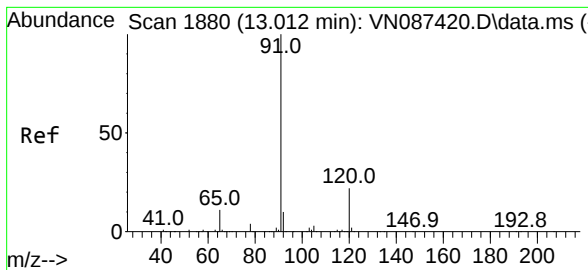


#73
Bromobenzene
Concen: 4.097 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



Tgt Ion:156 Resp: 37530
Ion Ratio Lower Upper
156 100
77 228.4 0.0 440.6
158 98.0 0.0 195.0





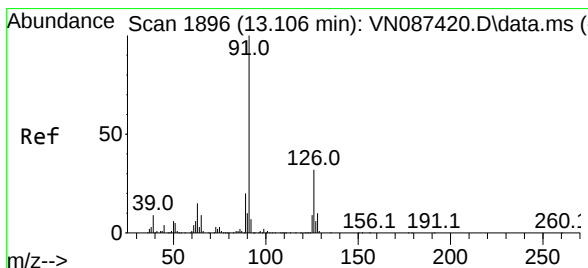
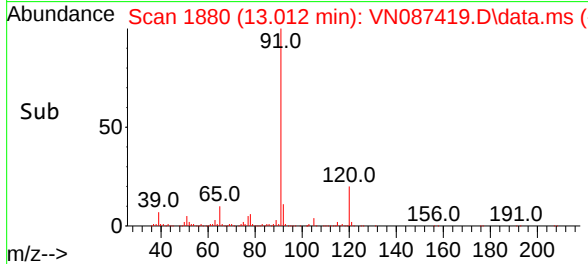
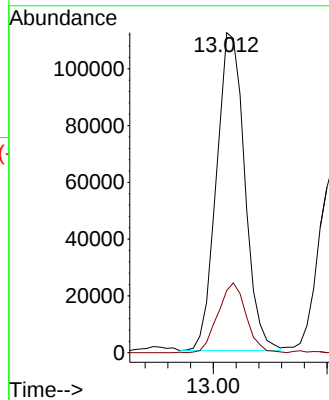
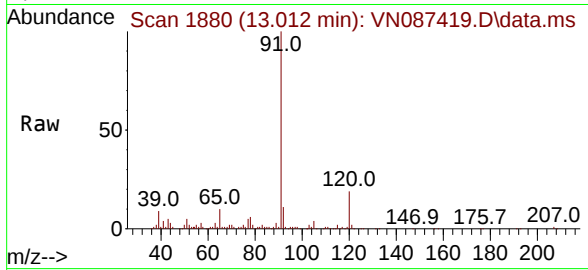
#74
n-propylbenzene
Concen: 4.348 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 193220
Ion Ratio Lower Upper
91 100
120 21.8 0.0 44.6

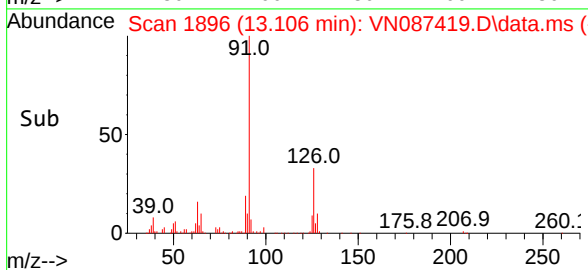
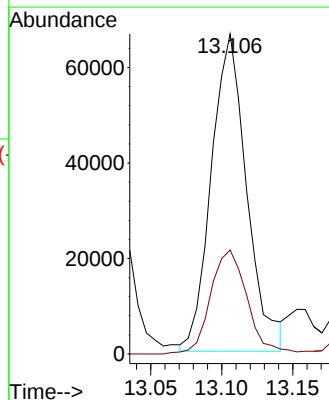
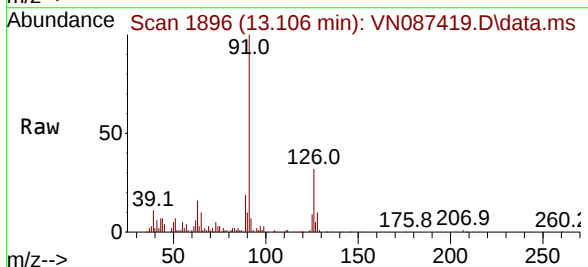
Manual Integrations
APPROVED

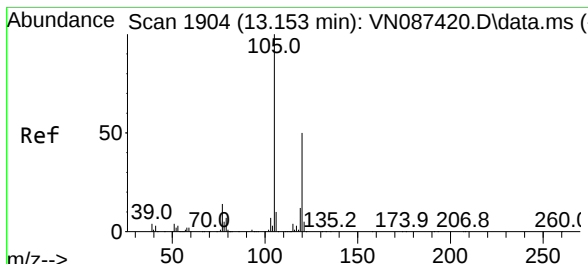
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#75
2-Chlorotoluene
Concen: 4.320 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

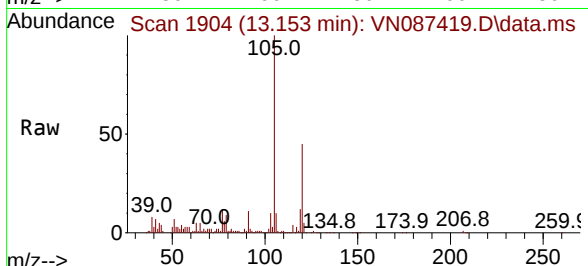
Tgt Ion: 91 Resp: 115299
Ion Ratio Lower Upper
91 100
126 33.7 0.0 65.4





#76
 1,3,5-Trimethylbenzene
 Concen: 4.220 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06

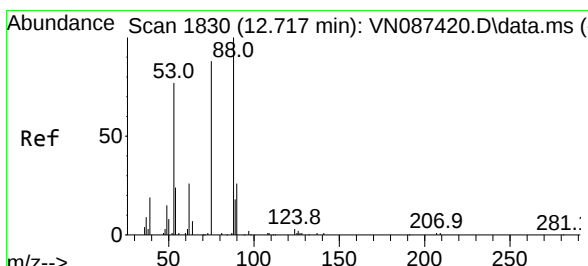
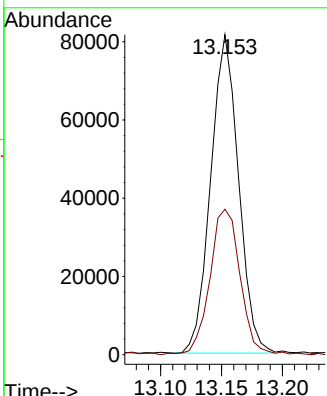
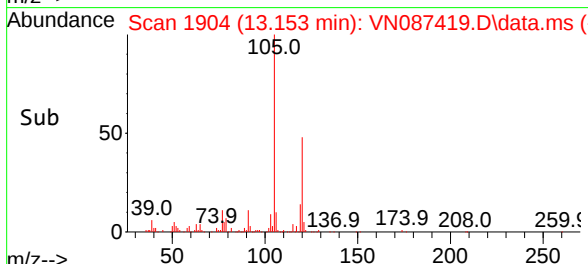
Instrument : MSVOA_N
 ClientSampleId : VSTDIC005



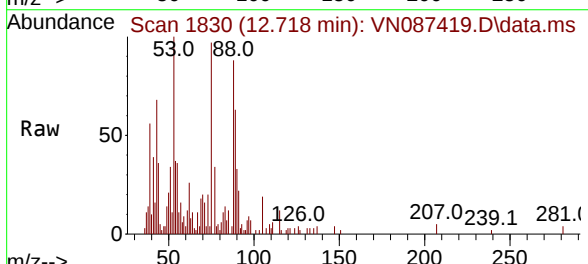
Tgt Ion: 105 Resp: 129179
 Ion Ratio Lower Upper
 105 100
 120 49.7 0.0 97.4

Manual Integrations
 APPROVED

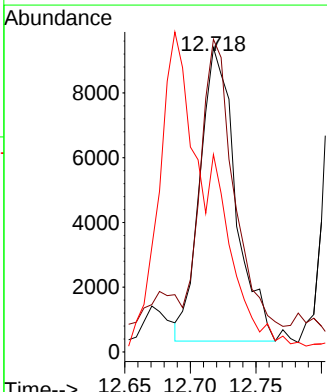
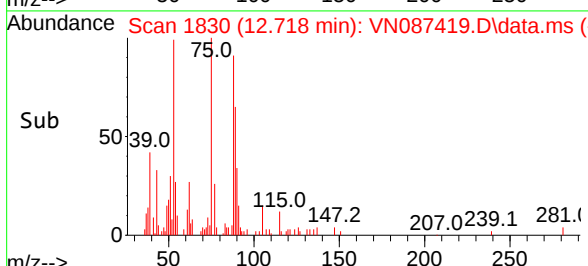
Reviewed By : John Carlone 07/28/2025
 Supervised By : Mahesh Dadoda 07/29/2025

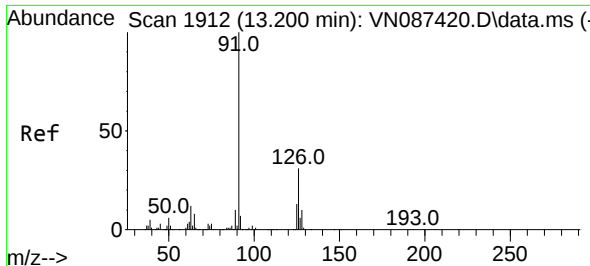


#77
 t-1,4-Dichloro-2-butene
 Concen: 3.877 ug/l
 RT: 12.718 min Scan# 1830
 Delta R.T. -0.006 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06



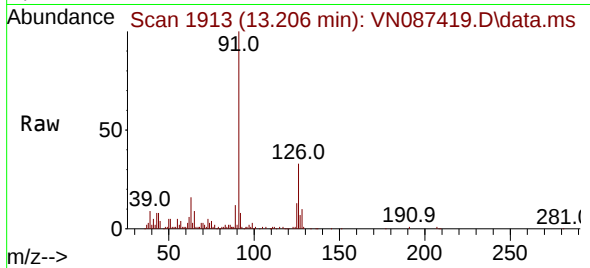
Tgt Ion: 75 Resp: 17137
 Ion Ratio Lower Upper
 75 100
 53 96.3 44.0 131.8
 89 63.5 17.0 50.9





#78
4-Chlorotoluene
Concen: 4.161 ug/l
RT: 13.206 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

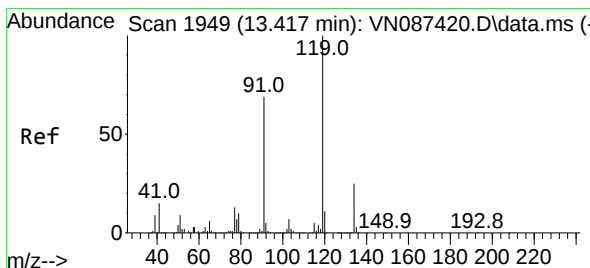
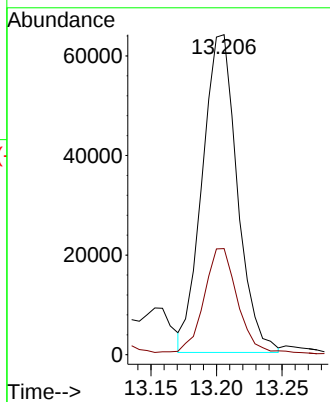
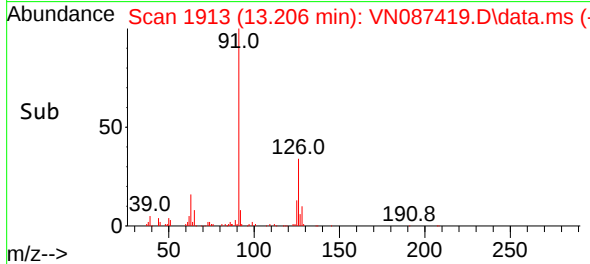
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



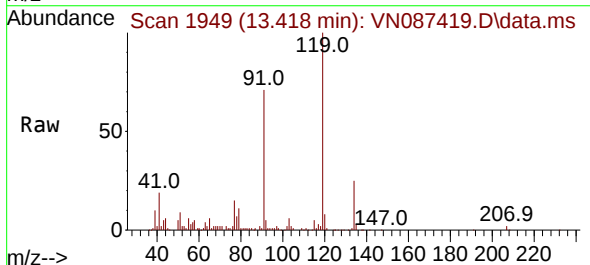
Tgt Ion: 91 Resp: 118459
Ion Ratio Lower Upper
91 100
126 30.2 0.0 66.6

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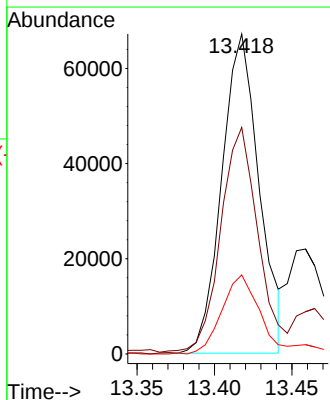
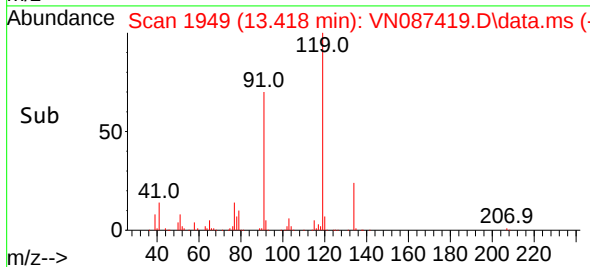
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

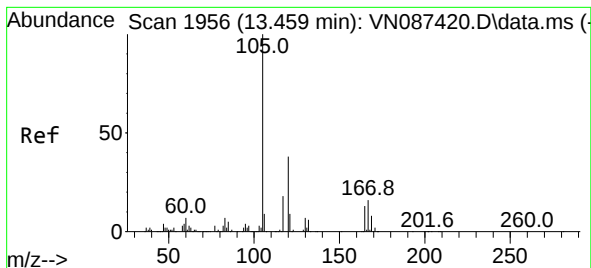


#79
tert-butylbenzene
Concen: 4.325 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



Tgt Ion:119 Resp: 112446
Ion Ratio Lower Upper
119 100
91 70.2 0.0 134.8
134 24.7 0.0 52.0





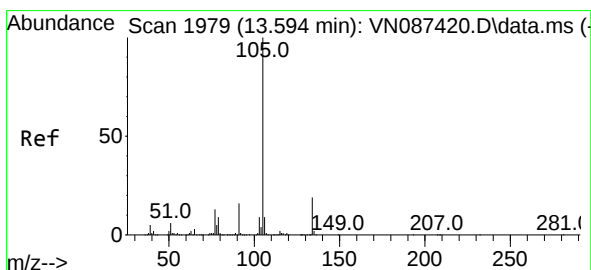
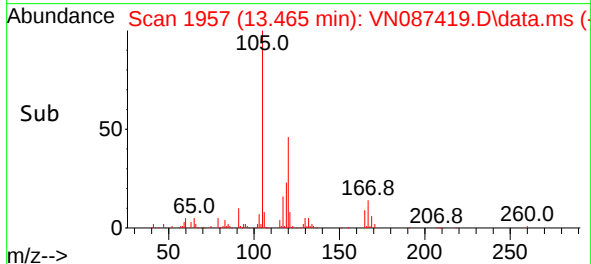
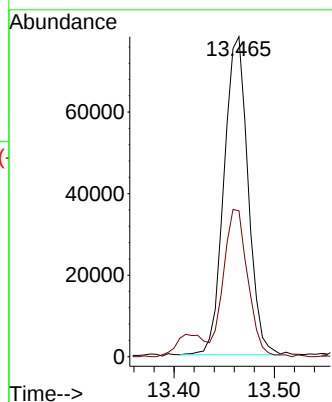
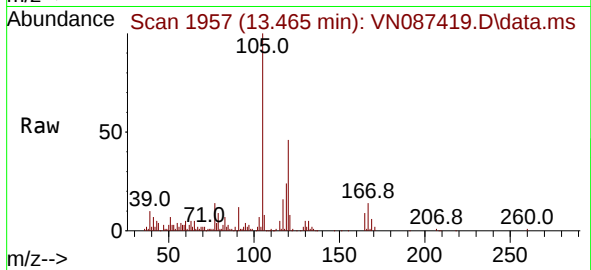
#80
1,2,4-Trimethylbenzene
Concen: 4.157 ug/l
RT: 13.465 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 12991
Ion Ratio Lower Upper
105 100
120 46.5 0.0 93.6

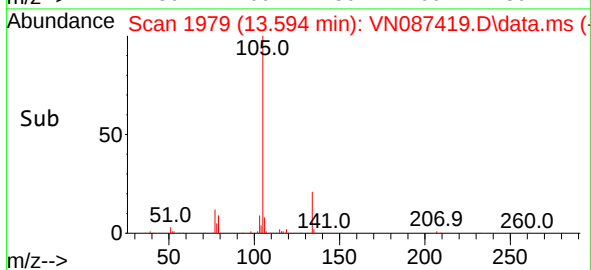
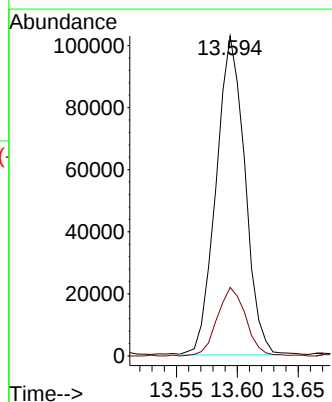
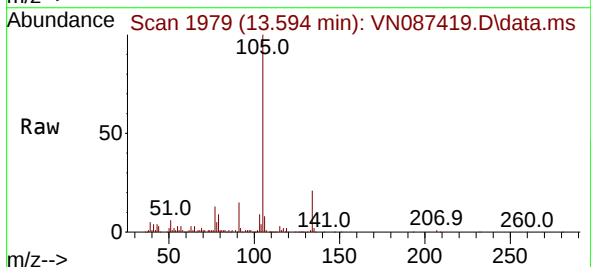
Manual Integrations
APPROVED

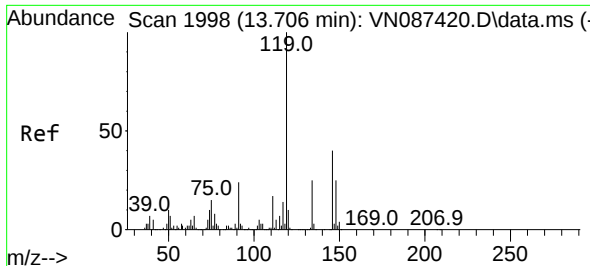
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#81
sec-Butylbenzene
Concen: 4.495 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

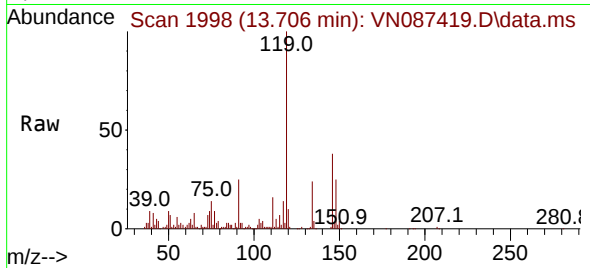
Tgt Ion:105 Resp: 168636
Ion Ratio Lower Upper
105 100
134 21.3 0.0 39.6





#82
p-Isopropyltoluene
Concen: 4.295 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

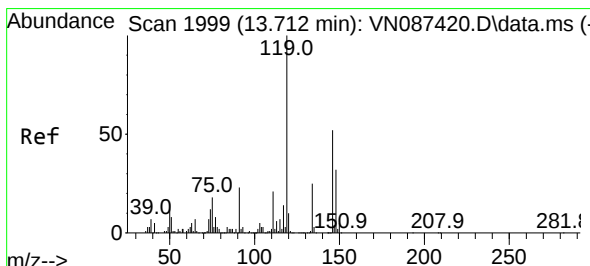
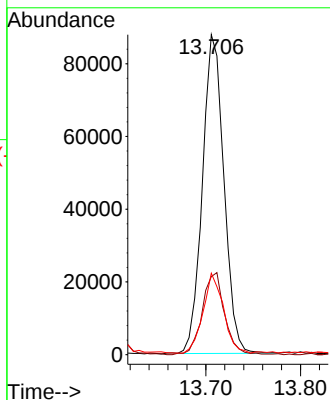
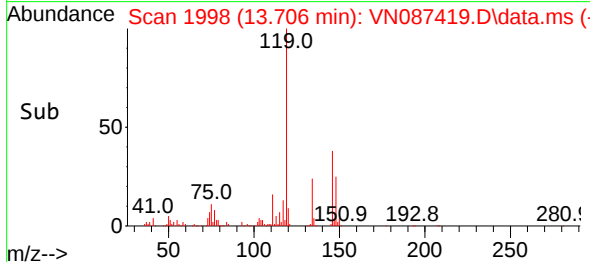
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



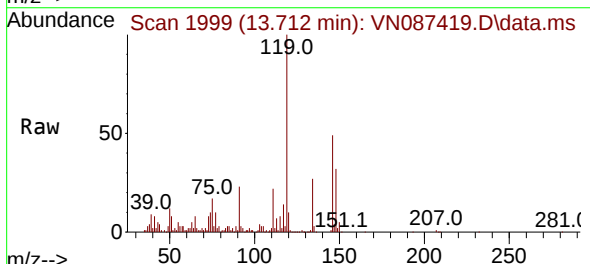
Tgt Ion:119 Resp: 138314
Ion Ratio Lower Upper
119 100
134 26.6 0.0 51.8
91 23.5 0.0 54.2

Manual Integrations
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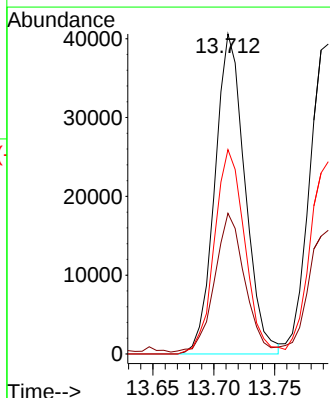
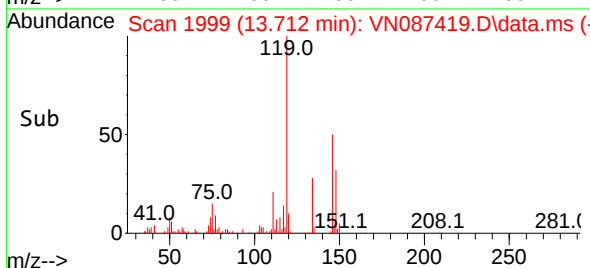
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

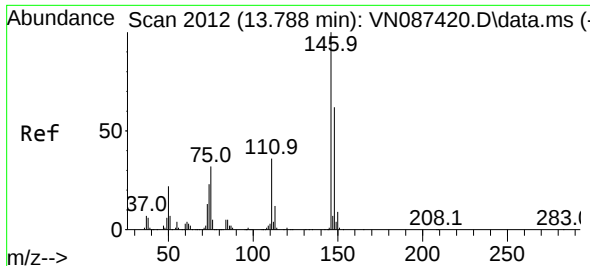


#83
1,3-Dichlorobenzene
Concen: 3.788 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



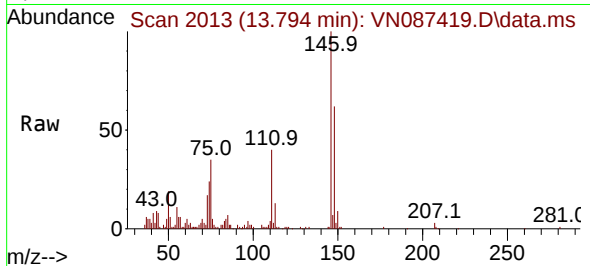
Tgt Ion:146 Resp: 69907
Ion Ratio Lower Upper
146 100
111 42.5 20.2 60.6
148 64.8 31.7 95.1





#84
1,4-Dichlorobenzene
Concen: 4.098 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

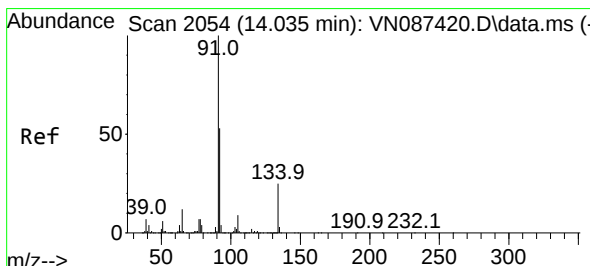
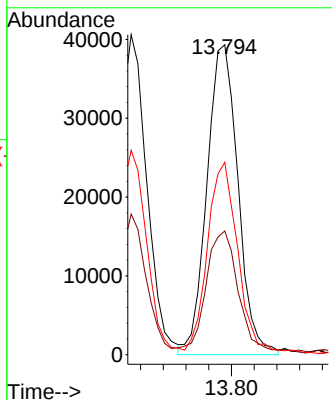
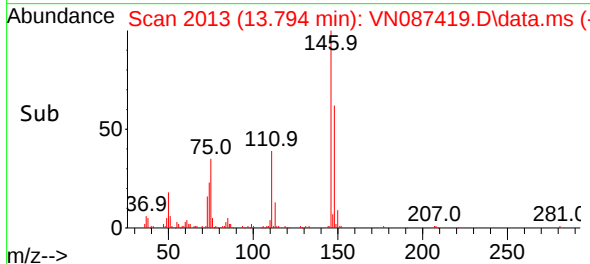
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 74654
Ion Ratio Lower Upper
146 100
111 40.3 19.4 58.1
148 61.1 32.4 97.2

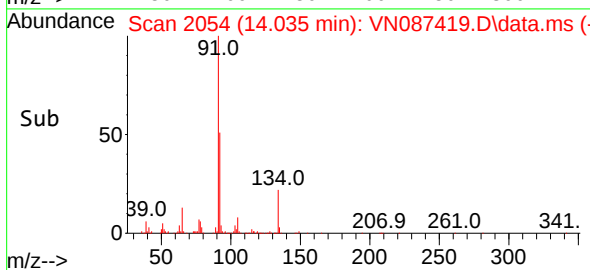
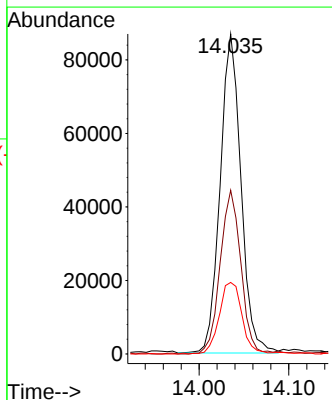
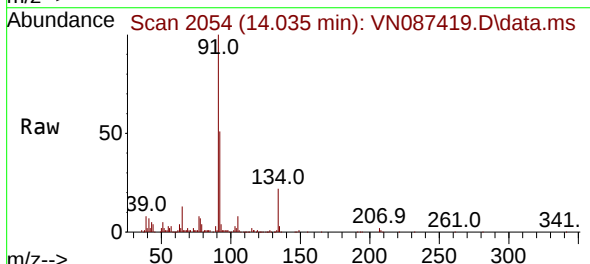
Manual Integrations
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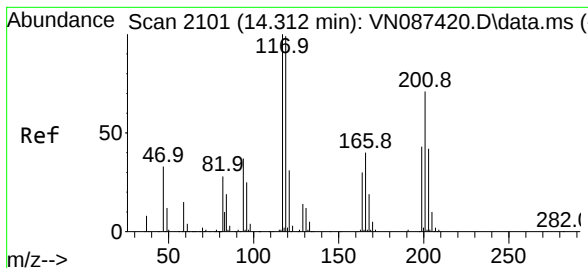
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025



#85
n-Butylbenzene
Concen: 4.716 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

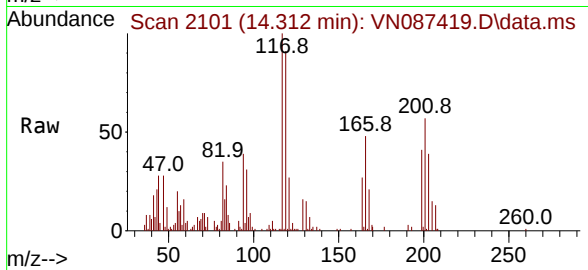
Tgt Ion: 91 Resp: 139856
Ion Ratio Lower Upper
91 100
92 51.0 0.0 101.4
134 24.4 0.0 48.6





#86
Hexachloroethane
Concen: 4.338 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

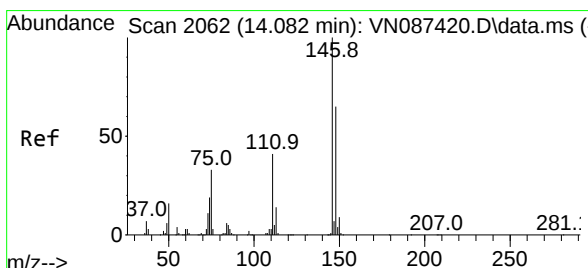
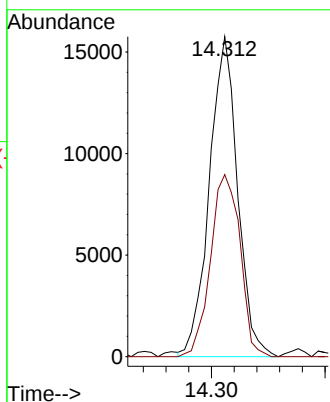
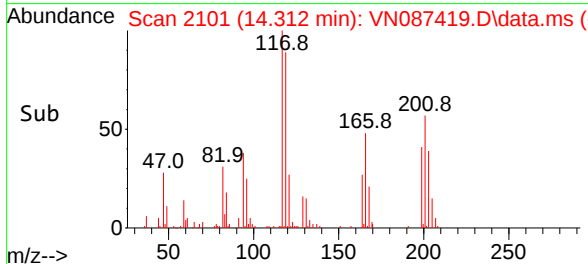
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



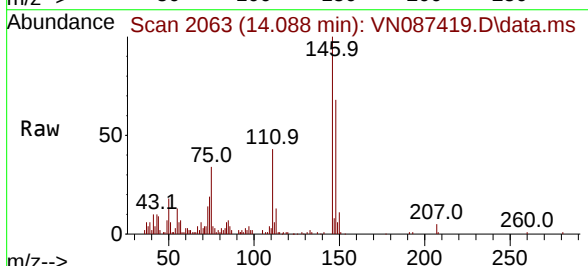
Tgt Ion:117 Resp: 2718
Ion Ratio Lower Upper
117 100
201 59.6 34.2 102.5

Manual Integrations
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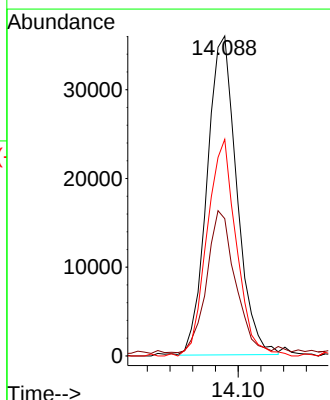
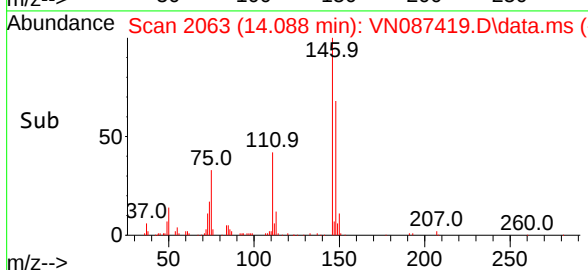
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

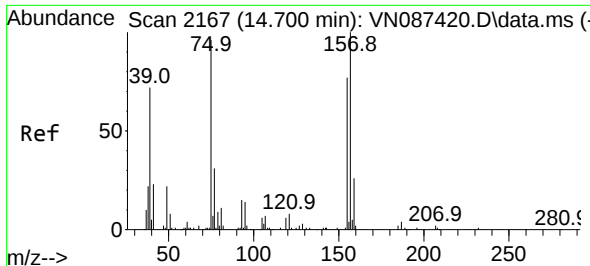


#87
1,2-Dichlorobenzene
Concen: 3.770 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



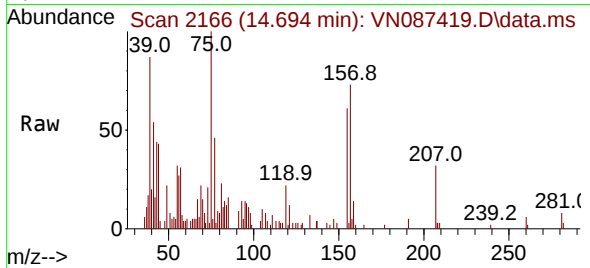
Tgt Ion:146 Resp: 65516
Ion Ratio Lower Upper
146 100
111 42.6 21.9 65.8
148 66.9 31.2 93.6





#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.760 ug/l
 RT: 14.694 min Scan# 2166
 Delta R.T. 0.000 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06

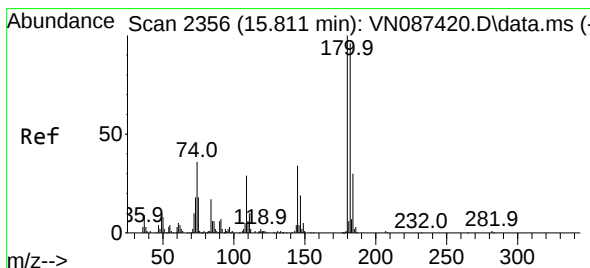
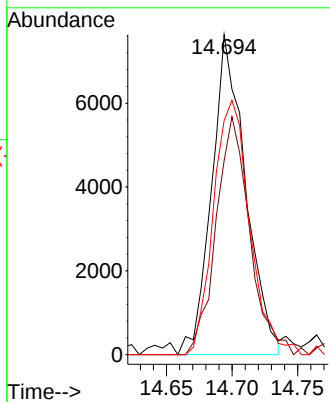
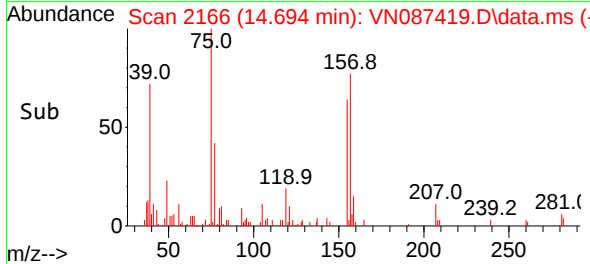
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



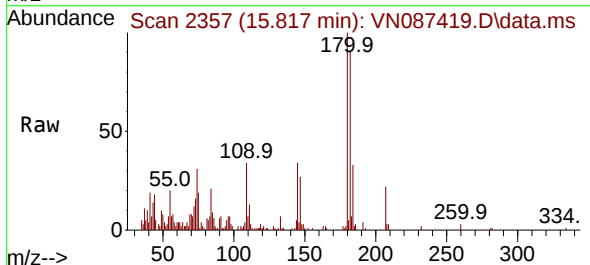
Tgt Ion: 75 Resp: 13709
 Ion Ratio Lower Upper
 75 100
 155 73.8 61.3 91.9
 157 84.3 85.5 128.3

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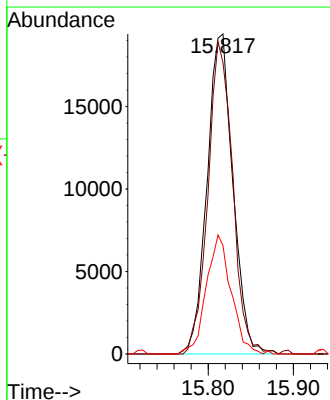
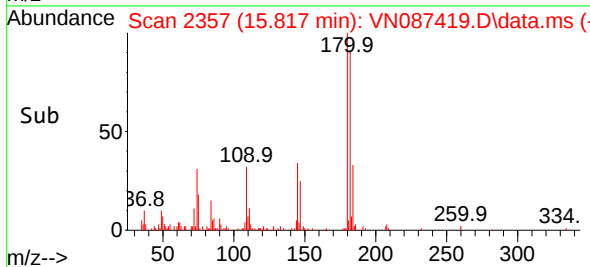
Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

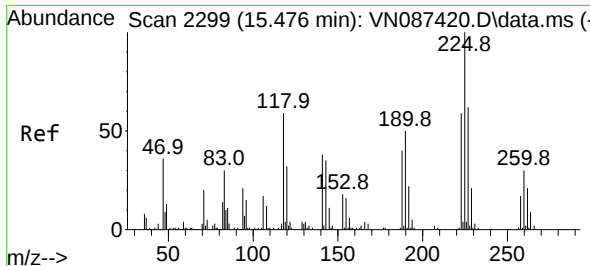


#89
 1,2,4-Trichlorobenzene
 Concen: 4.084 ug/l
 RT: 15.817 min Scan# 2357
 Delta R.T. 0.006 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06



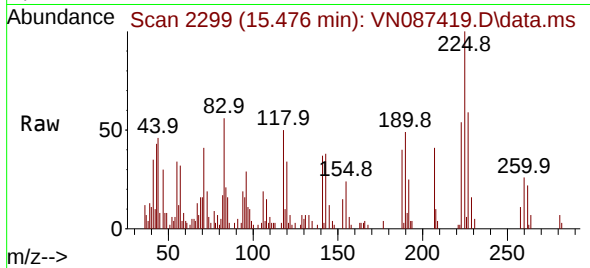
Tgt Ion:180 Resp: 40939
 Ion Ratio Lower Upper
 180 100
 182 92.8 74.2 111.2
 145 35.7 29.3 43.9





#90
Hexachlorobutadiene
Concen: 3.998 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06

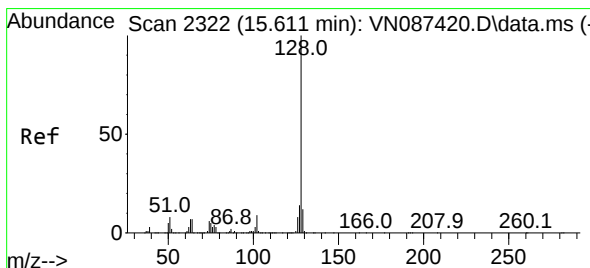
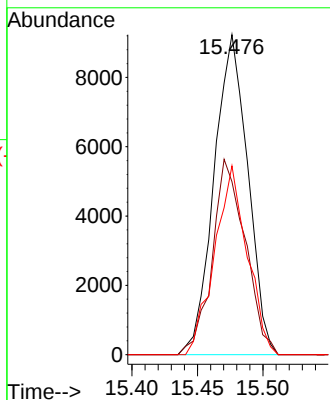
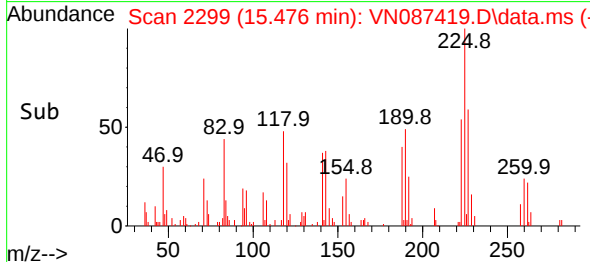
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



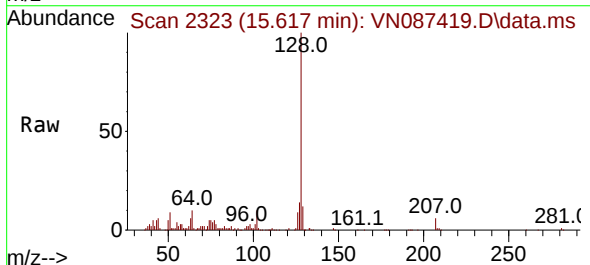
Tgt Ion:225 Resp: 16528
Ion Ratio Lower Upper
225 100
223 59.8 0.0 125.2
227 57.1 0.0 122.4

Manual Integrations
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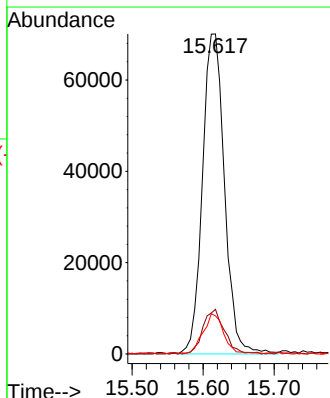
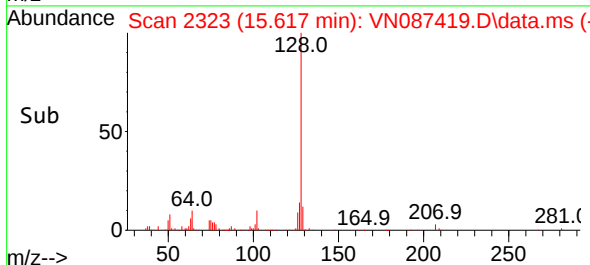
Reviewed By :John Carlone 07/28/2025
Supervised By :Mahesh Dadoda 07/29/2025

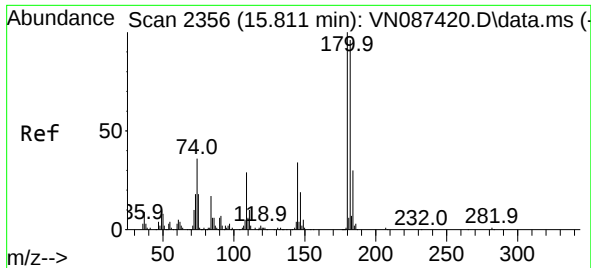


#91
Naphthalene
Concen: 4.542 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087419.D
Acq: 28 Jul 2025 09:06



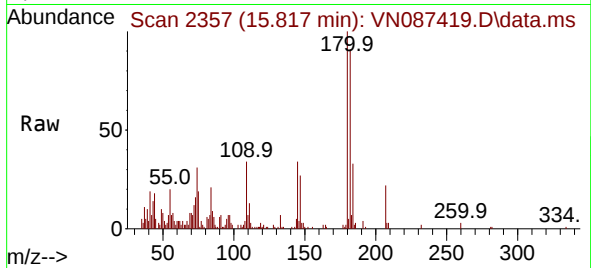
Tgt Ion:128 Resp: 151552
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.6 9.0 13.4





#92
 1,2,3-Trichlorobenzene
 Concen: 4.084 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087419.D
 Acq: 28 Jul 2025 09:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion:180 Resp: 40939
 Ion Ratio Lower Upper
 180 100
 182 92.8 0.0 185.4
 145 35.7 0.0 73.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/28/2025
 Supervised By :Mahesh Dadoda 07/29/2025

