

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
 Data File : VN088046.D
 Acq On : 08 Oct 2025 17:05
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 02:59:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	65178	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	361179	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	319523	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	151228	29.797	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.333%		
60) 4-Bromofluorobenzene	12.829	95	158448	30.080	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.267%		
63) Toluene-d8	10.547	98	432175	30.358	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.200%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	64833	17.367	ug/l	92
3) Chloromethane	2.383	50	69677	16.463	ug/l	99
4) Vinyl Chloride	2.536	62	72184	16.356	ug/l	96
5) Bromomethane	2.977	94	36798	15.506	ug/l	89
6) Chloroethane	3.136	64	47732	16.396	ug/l	98
7) Trichlorofluoromethane	3.512	101	104706	17.447	ug/l	95
8) Diethyl Ether	3.959	74	44730	16.496	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	53638	16.696	ug/l	86
10) 1,1-Dichloroethene	4.336	96	58700	17.129	ug/l	98
11) Methyl Iodide	4.577	142	40764	12.906	ug/l	98
12) Methyl Acetate	5.024	43	93546	16.791	ug/l #	86
13) Acrolein	4.177	56	87902	101.957	ug/l #	13
14) Acrylonitrile	5.706	53	221505	82.387	ug/l	99
15) Acetone	4.424	58	57801	73.410	ug/l	85
16) Carbon Disulfide	4.706	76	179875	16.744	ug/l	97
17) Allyl chloride	5.006	41	103236	15.965	ug/l	98
18) Methylene Chloride	5.259	84	71982	16.526	ug/l	94
19) trans-1,2-Dichloroethene	5.777	96	67171	16.953	ug/l	95
20) Diisopropyl ether	6.659	45	246350	16.733	ug/l	97
21) 1,1-Dichloroethane	6.547	63	126048	16.447	ug/l	94
22) cis-1,2-Dichloroethene	7.465	96	81766	16.485	ug/l	100
23) tert-Butyl Alcohol	5.524	59	85448	79.244	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	244379	16.521	ug/l	100
25) Chloroform	7.953	83	130562	16.508	ug/l	98
26) Cyclohexane	8.241	56	105997	16.693	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	88476	17.090	ug/l	98
30) 2-Butanone	7.471	43	313336	82.062	ug/l	98
31) 2,2-Dichloropropane	7.476	77	106776	16.007	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	108875	16.830	ug/l	99
33) Carbon Tetrachloride	8.347	117	92423	17.057	ug/l	98
34) Benzene	8.588	78	286263	16.670	ug/l	97
35) Methacrylonitrile	7.765	41	63622	15.845	ug/l	96
36) 1,2-Dichloroethane	8.653	62	103649	17.386	ug/l	99
37) Trichloroethene	9.329	130	67064	16.484	ug/l	96
38) Methylcyclohexane	9.576	83	107543	16.821	ug/l	99
39) 1,2-Dichloropropane	9.600	63	73137	16.986	ug/l	99
40) Dibromomethane	9.688	93	52969	16.900	ug/l	93
41) Bromodichloromethane	9.870	83	106339	16.612	ug/l	96
42) Vinyl Acetate	6.588	43	1154807	88.778	ug/l	97

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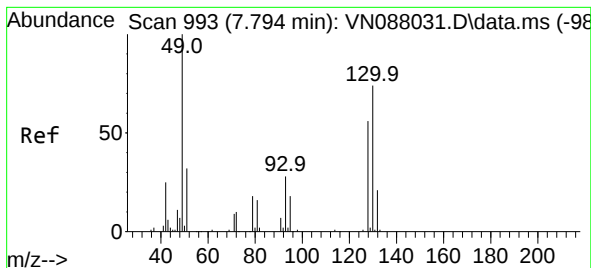
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	118900	16.199	ug/l	95
44) Isopropyl Acetate	8.671	43	200918	16.760	ug/l	97
45) 1,4-Dioxane	9.682	88	24334	305.197	ug/l	90
46) Methyl methacrylate	9.665	41	89970	17.042	ug/l	97
47) n-amyl Acetate	12.676	43	98308m	17.301	ug/l	
48) t-1,3-Dichloropropene	10.817	75	115827	16.272	ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	121675	16.387	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	68090	16.405	ug/l	96
51) Ethyl methacrylate	10.853	69	116337	16.562	ug/l	100
52) 1,3-Dichloropropane	11.141	76	121916	16.836	ug/l	100
53) Dibromochloromethane	11.335	129	81001	16.324	ug/l	99
54) 1,2-Dibromoethane	11.447	107	73659	16.599	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	329203	86.824	ug/l	99
56) Bromoform	12.559	173	51542	15.364	ug/l	98
58) 4-Methyl-2-Pentanone	10.423	43	617990	86.469	ug/l	98
59) 2-Hexanone	11.176	43	385288	81.651	ug/l	99
61) Tetrachloroethene	11.082	164	52428	16.203	ug/l	90
62) Toluene	10.606	91	311043	17.162	ug/l	100
64) Chlorobenzene	11.870	112	194013	16.759	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	68145	17.081	ug/l	97
66) Ethyl Benzene	11.941	91	339517	17.227	ug/l	100
67) m/p-Xylenes	12.047	106	256866	33.809	ug/l	97
68) o-Xylene	12.376	106	130038	17.193	ug/l	98
69) Styrene	12.394	104	210164	16.798	ug/l	99
70) Isopropylbenzene	12.670	105	314132	16.946	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	107306	17.074	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	102078m	17.489	ug/l	
73) Bromobenzene	12.959	156	77153	17.029	ug/l	97
74) n-propylbenzene	13.011	91	375093	16.762	ug/l	99
75) 2-Chlorotoluene	13.100	91	229835	16.798	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	269573	17.120	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	33183	14.266	ug/l	90
78) 4-Chlorotoluene	13.200	91	228854	16.463	ug/l	99
79) tert-butylbenzene	13.411	119	237477	17.397	ug/l	99
80) 1,2,4-Trimethylbenzene	13.458	105	272014	17.256	ug/l	99
81) sec-Butylbenzene	13.594	105	331246	17.260	ug/l	99
82) p-Isopropyltoluene	13.706	119	274756	16.768	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	142344	16.698	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	150031	17.066	ug/l	99
85) n-Butylbenzene	14.035	91	256524	16.828	ug/l	99
86) Hexachloroethane	14.311	117	53517	16.304	ug/l	93
87) 1,2-Dichlorobenzene	14.082	146	141796	16.911	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	25457	17.637	ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	81618	16.342	ug/l	99
90) Hexachlorobutadiene	15.470	225	27886	16.043	ug/l	99
91) Naphthalene	15.611	128	307366	16.810	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	81618	16.342	ug/l	99

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.794 min Scan# 993

Delta R.T. 0.000 min

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VSTDCCC020EC

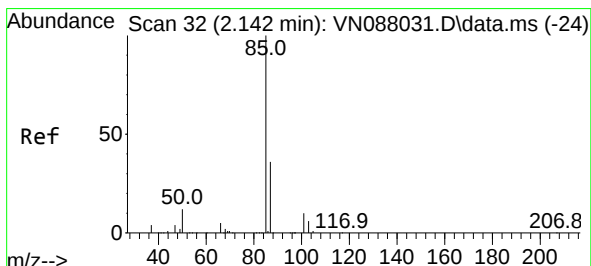
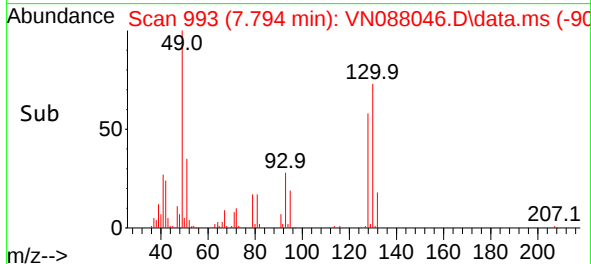
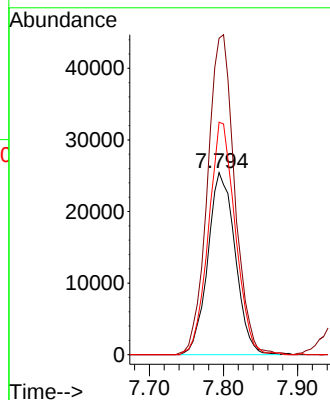
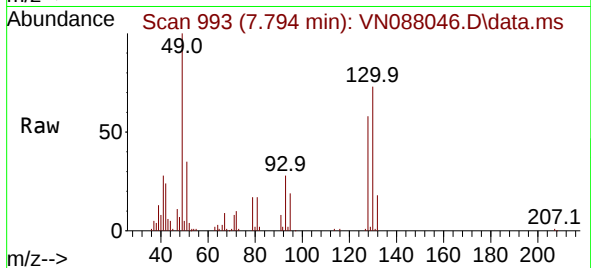
Tgt Ion:	128	Resp:	65178
Ion Ratio	Lower	Upper	
128	100		
49	173.8	0.0	439.8
130	124.9	0.0	325.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.367 ug/l

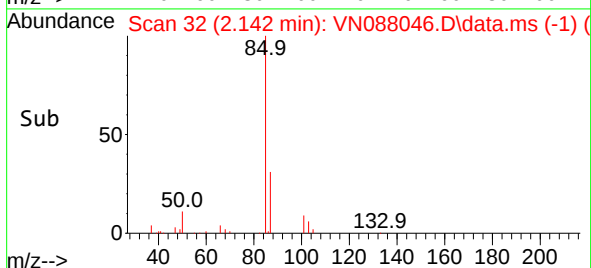
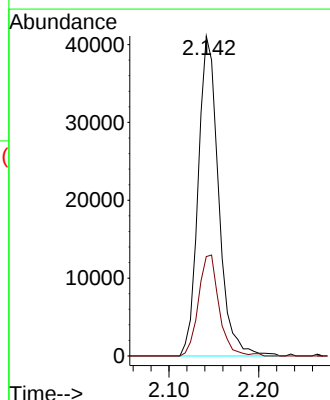
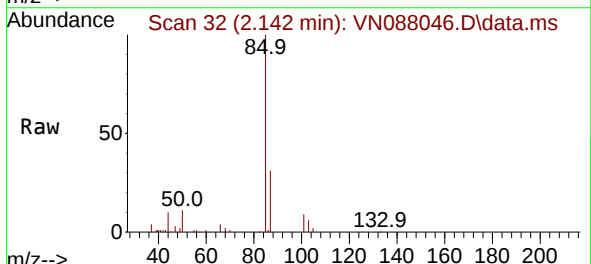
RT: 2.142 min Scan# 32

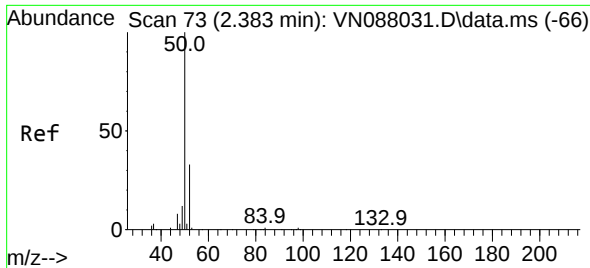
Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

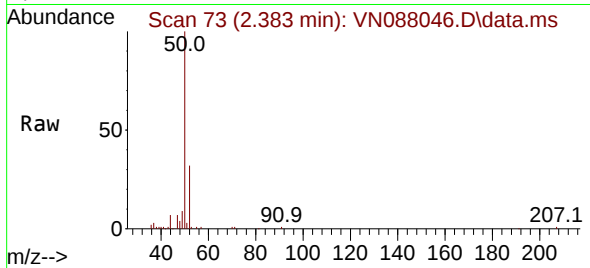
Tgt Ion:	85	Resp:	64833
Ion Ratio	Lower	Upper	
85	100		
87	31.1	17.9	53.8





#3
Chloromethane
Concen: 16.463 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

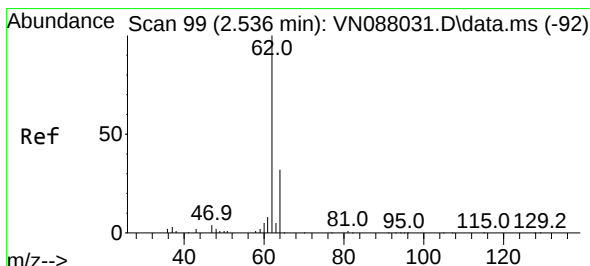
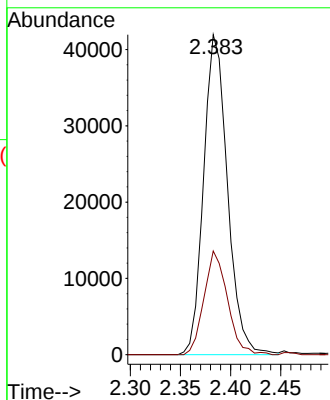
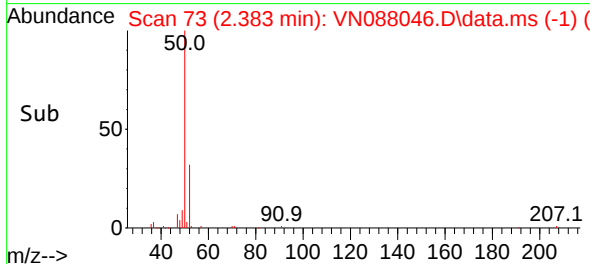
Instrument :
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VSTDCCC020EC



Tgt Ion: 50 Resp: 6967
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

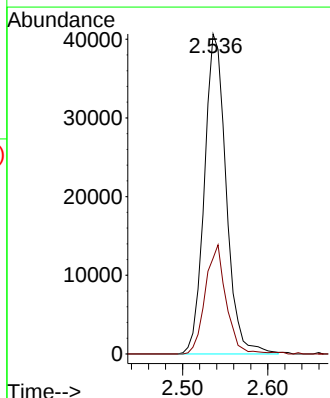
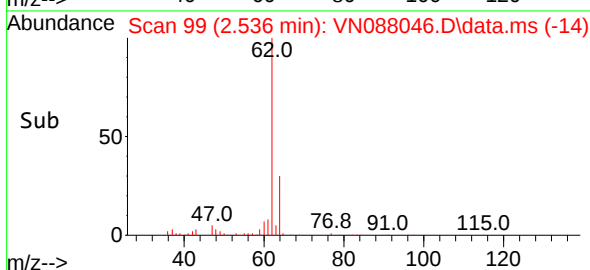
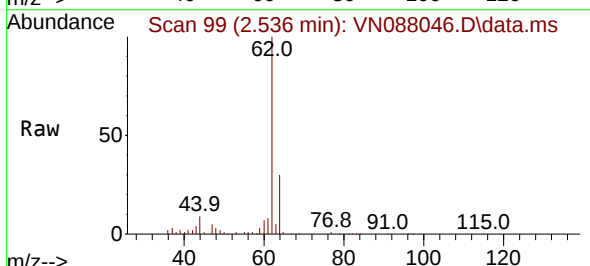
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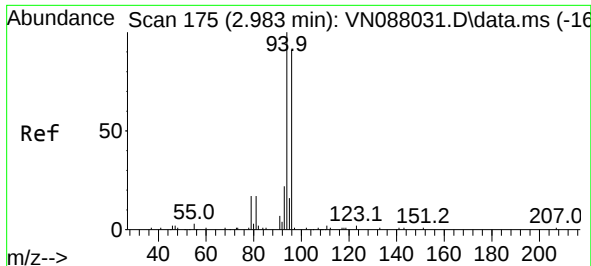
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Vinyl Chloride
Concen: 16.356 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

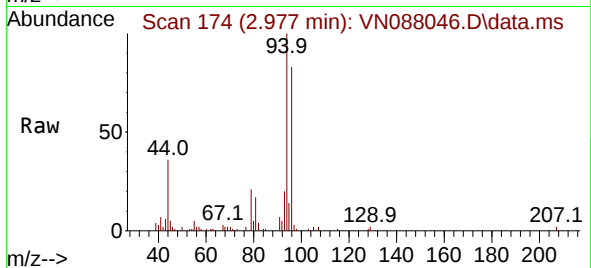
Tgt Ion: 62 Resp: 72184
Ion Ratio Lower Upper
62 100
64 29.9 25.7 38.5





#5
Bromomethane
Concen: 15.506 ug/l
RT: 2.977 min Scan# 174
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

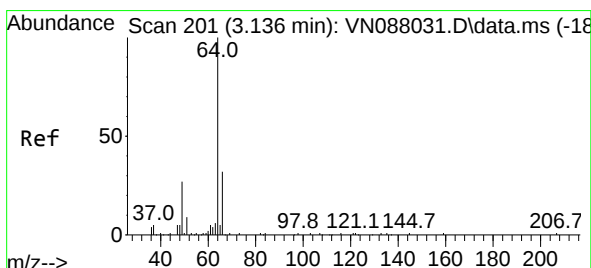
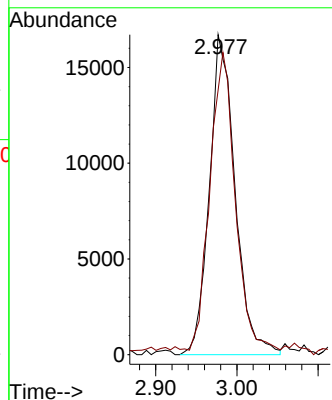
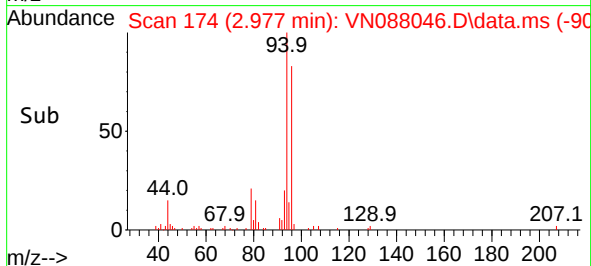
Instrument :
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VSTDCCC020EC



Tgt Ion: 94 Resp: 36798
Ion Ratio Lower Upper
94 100
96 81.2 73.0 109.4

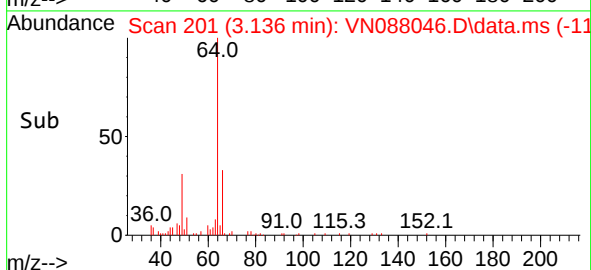
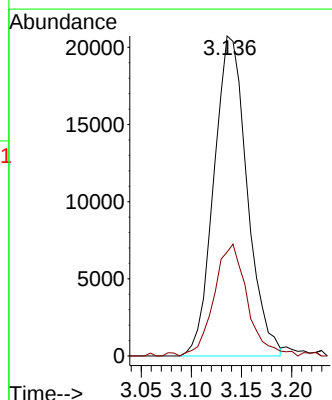
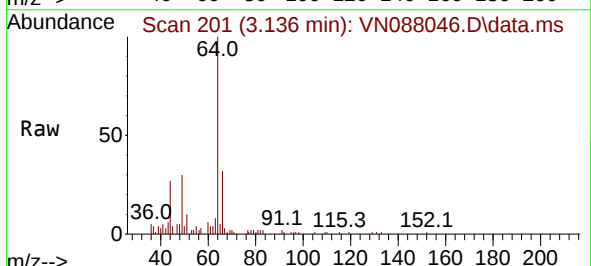
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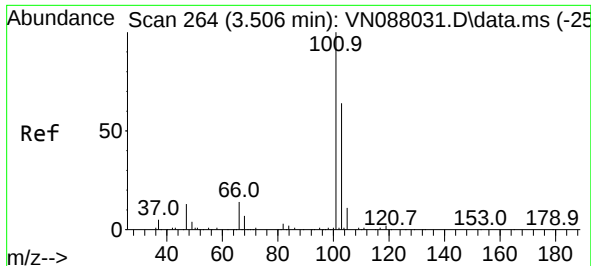
Reviewed By :John Carlone 10/09/2025
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#6
Chloroethane
Concen: 16.396 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.000 min
Lab File: VN088046.D
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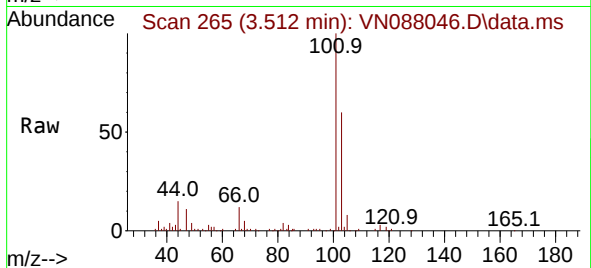
Tgt Ion: 64 Resp: 47732
Ion Ratio Lower Upper
64 100
66 32.5 26.8 40.2





#7
 Trichlorofluoromethane
 Concen: 17.447 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

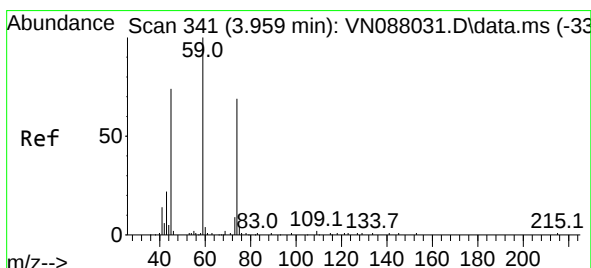
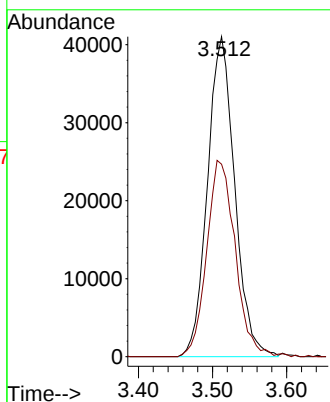
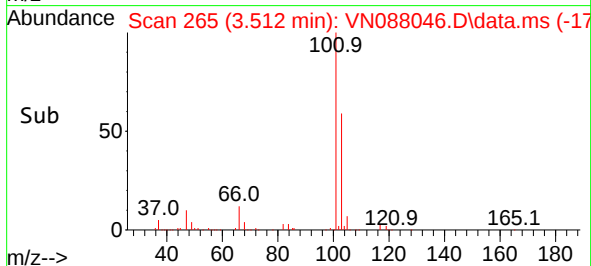
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Tgt Ion:101 Resp: 104700
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.0 76.4

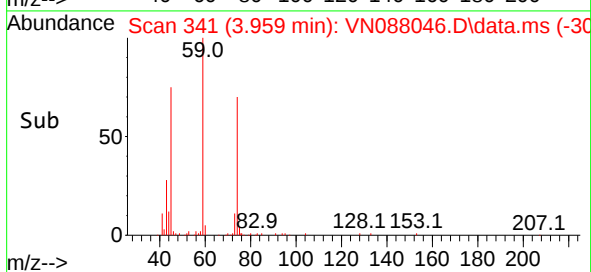
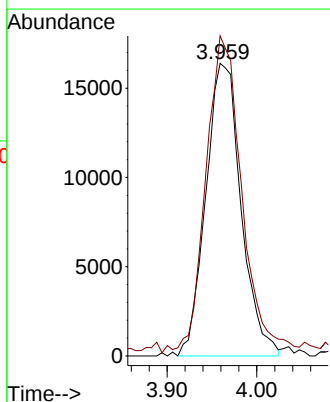
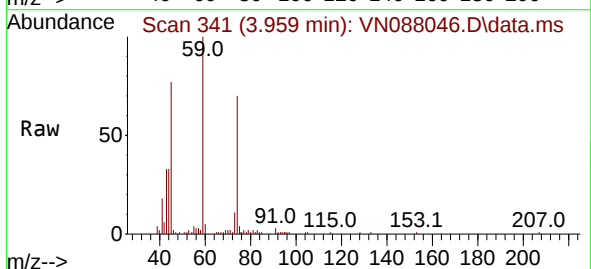
Manual Integrations
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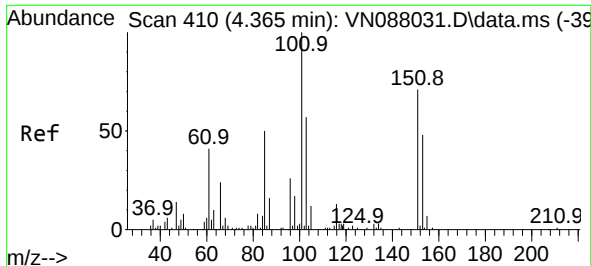
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#8
 Diethyl Ether
 Concen: 16.496 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.000 min
 Lab File: VN088046.D
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Tgt Ion: 74 Resp: 44730
 Ion Ratio Lower Upper
 74 100
 45 107.0 20.4 183.8





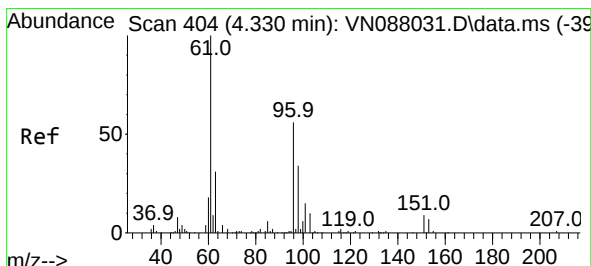
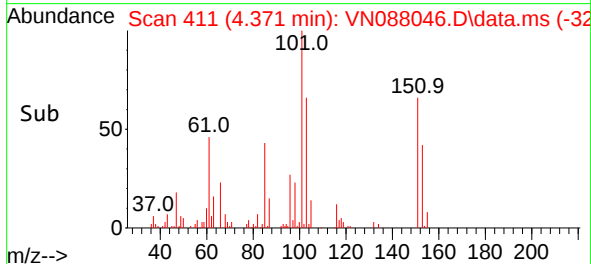
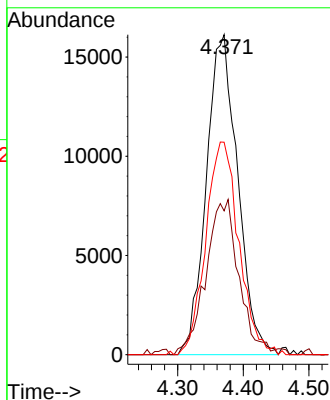
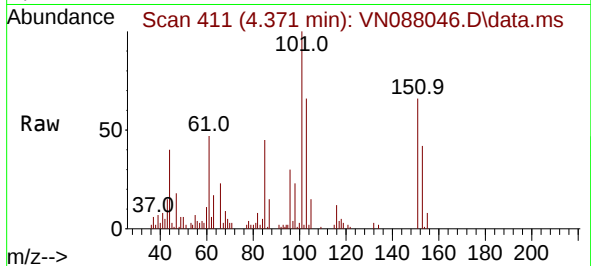
#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.696 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN088046.D
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Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:101 Resp: 53638
Ion Ratio Lower Upper
101 100
85 30.1 0.0 103.2
151 69.8 0.0 141.4

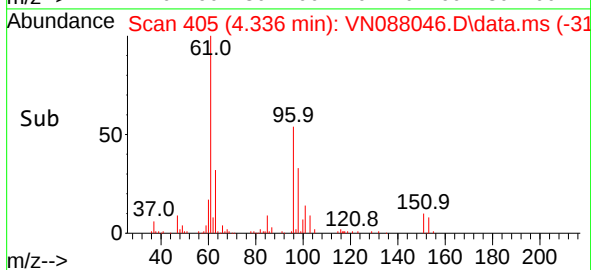
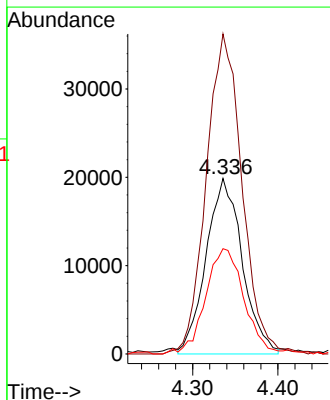
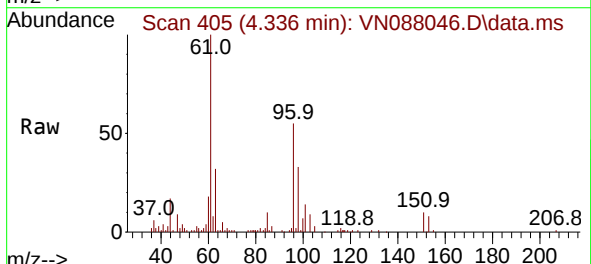
Manual Integrations
APPROVED

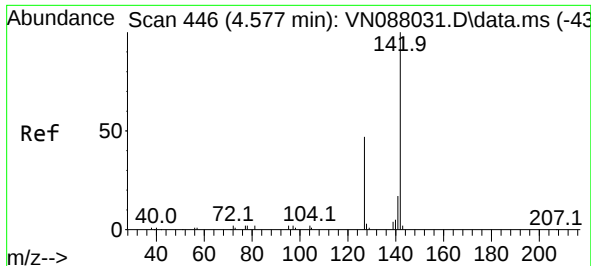
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
1,1-Dichloroethene
Concen: 17.129 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

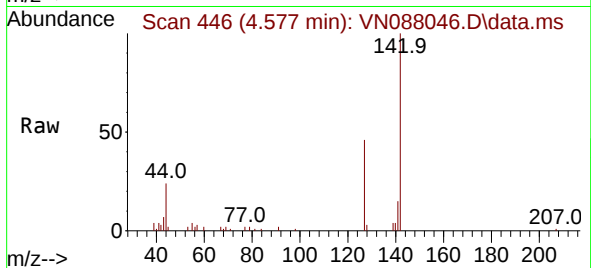
Tgt Ion: 96 Resp: 58700
Ion Ratio Lower Upper
96 100
61 183.7 144.1 216.1
98 60.4 49.0 73.6





#11
Methyl Iodide
Concen: 12.906 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

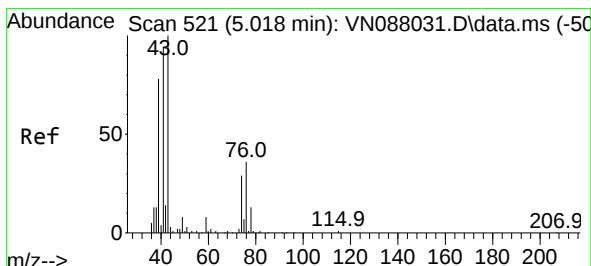
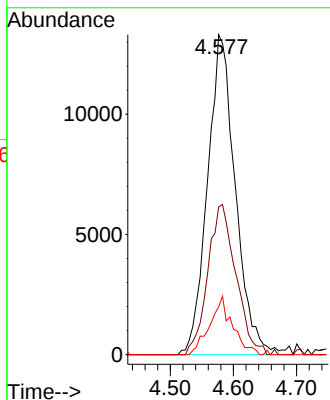
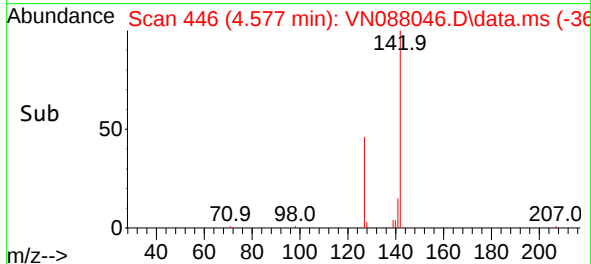
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:142 Resp: 40764
Ion Ratio Lower Upper
142 100
127 46.4 23.4 70.3
141 15.0 8.8 26.2

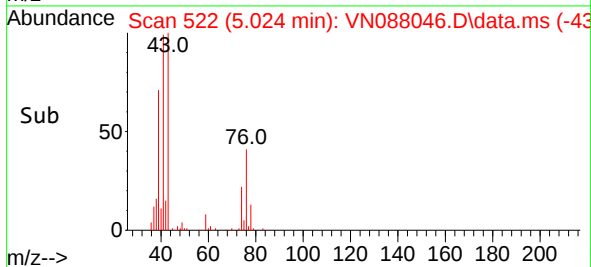
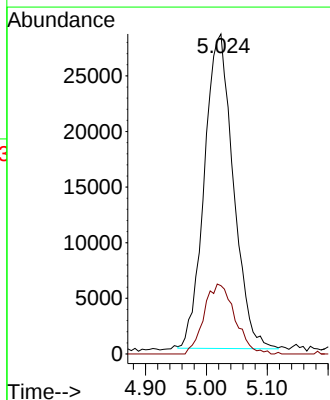
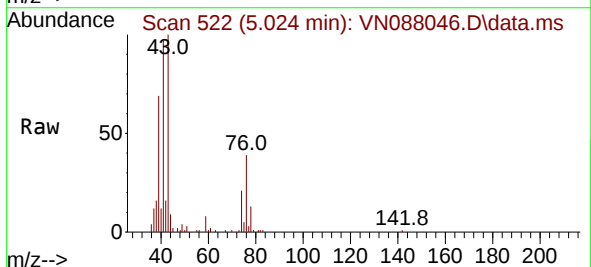
Manual Integrations
APPROVED

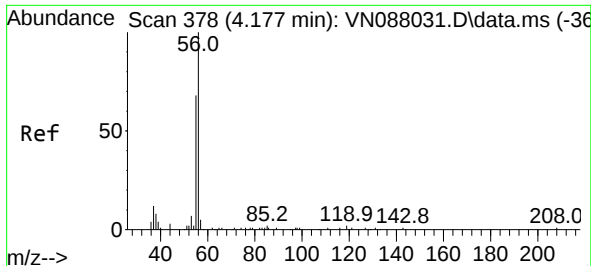
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#12
Methyl Acetate
Concen: 16.791 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

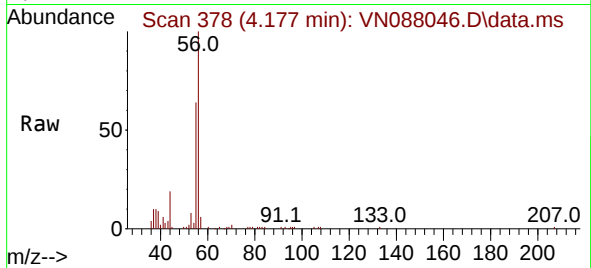
Tgt Ion: 43 Resp: 93546
Ion Ratio Lower Upper
43 100
74 21.6 23.3 34.9#





#13
Acrolein
Concen: 101.957 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

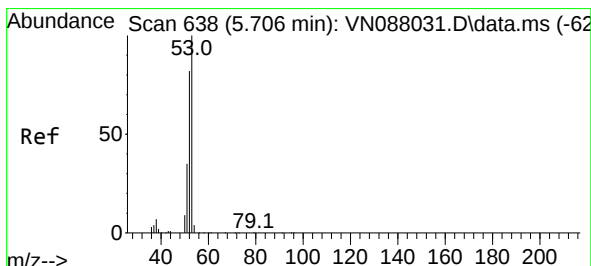
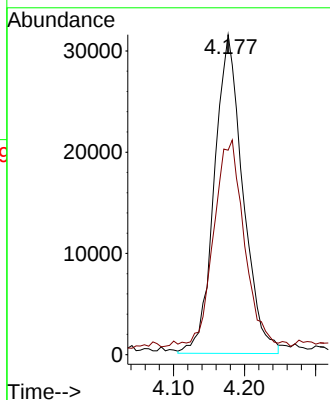
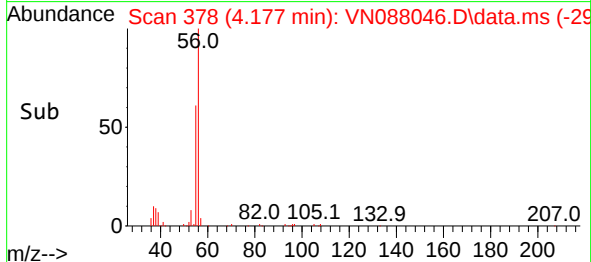
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



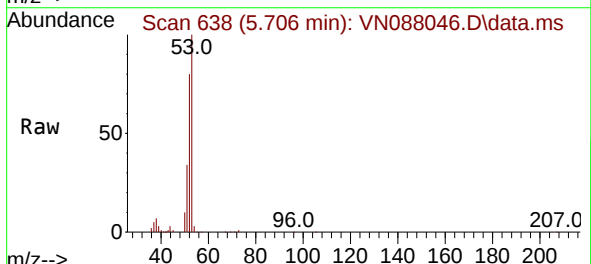
Tgt Ion: 56 Resp: 87902
Ion Ratio Lower Upper
56 100
55 66.2 0.3 0.5

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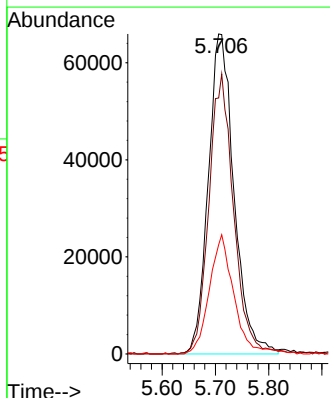
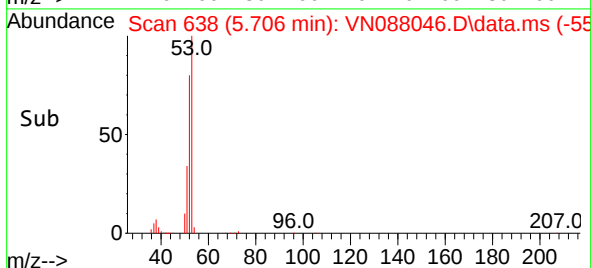
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

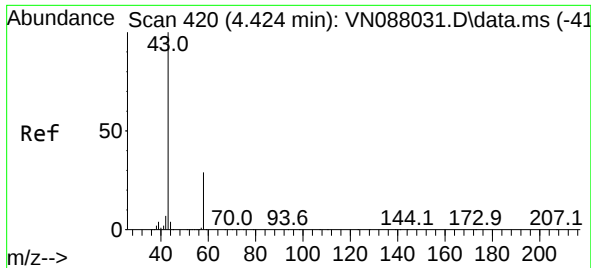


#14
Acrylonitrile
Concen: 82.387 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



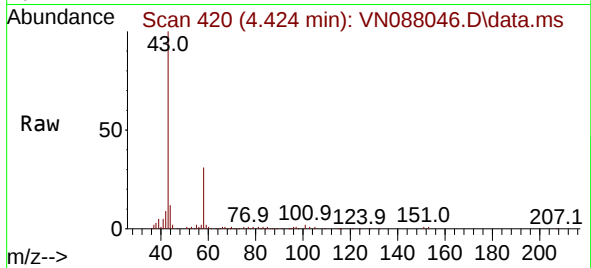
Tgt Ion: 53 Resp: 221505
Ion Ratio Lower Upper
53 100
52 82.6 41.3 124.1
51 34.6 18.0 54.0





#15
Acetone
Concen: 73.410 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

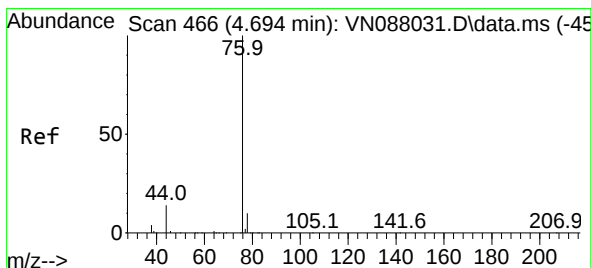
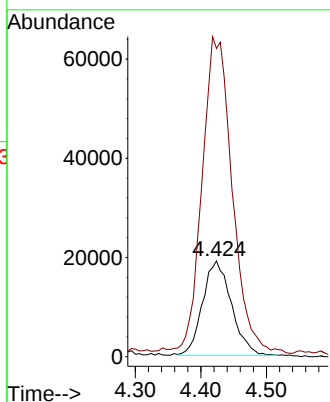
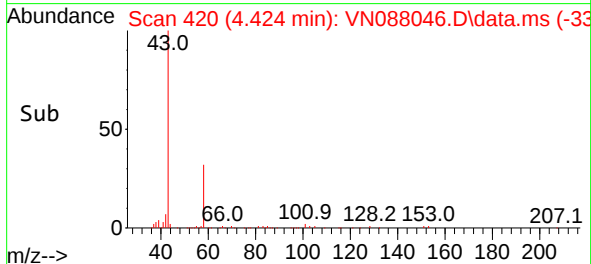
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



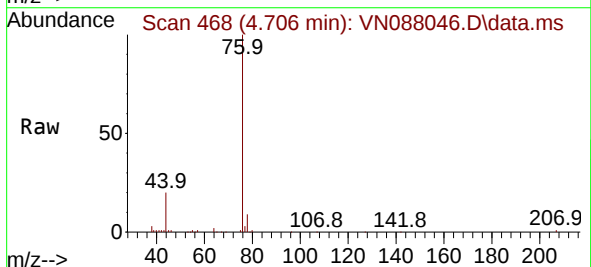
Tgt Ion: 58 Resp: 5780
Ion Ratio Lower Upper
58 100
43 319.9 282.6 424.0

Manual Integrations
APPROVED

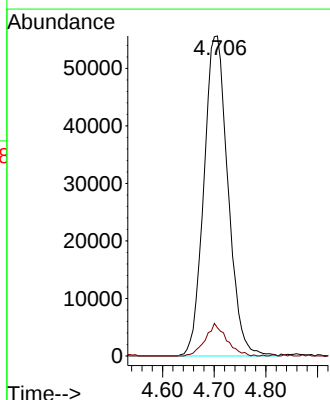
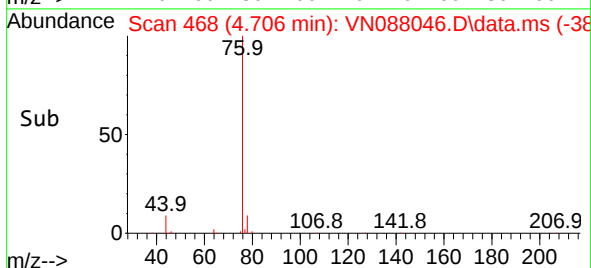
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

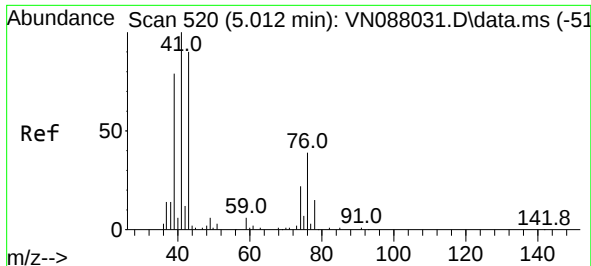


#16
Carbon Disulfide
Concen: 16.744 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.012 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



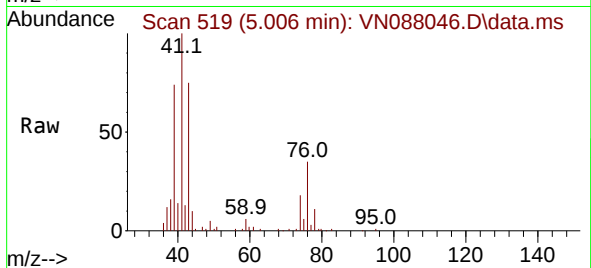
Tgt Ion: 76 Resp: 179875
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8





#17
 Allyl chloride
 Concen: 15.965 ug/l
 RT: 5.006 min Scan# 519
 Delta R.T. -0.006 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

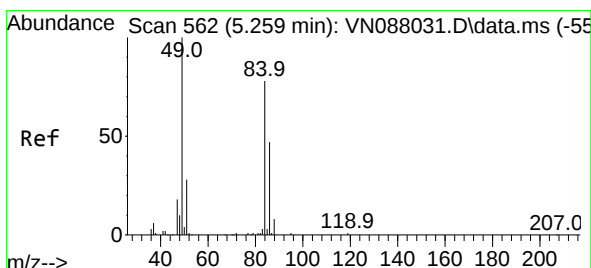
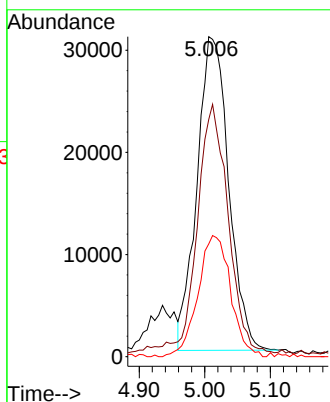
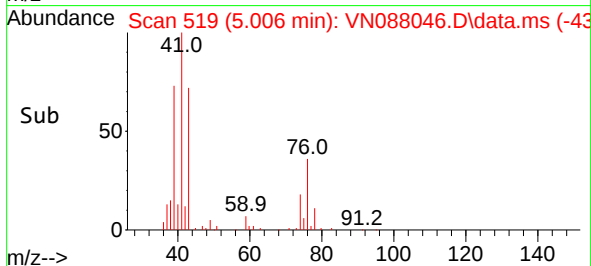
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 41 Resp: 103230
 Ion Ratio Lower Upper
 41 100
 39 74.3 36.4 109.2
 76 35.0 18.1 54.1

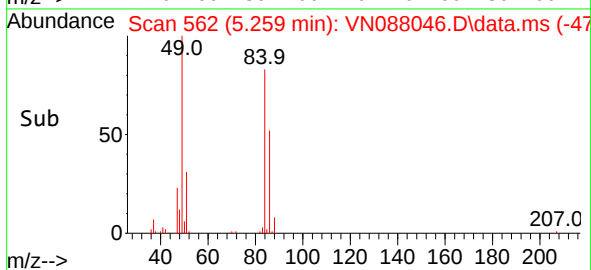
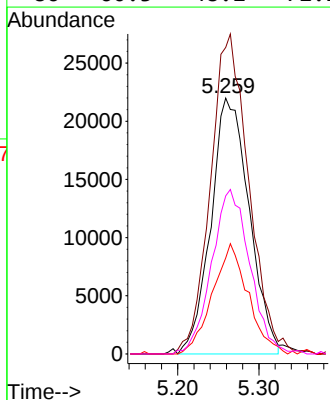
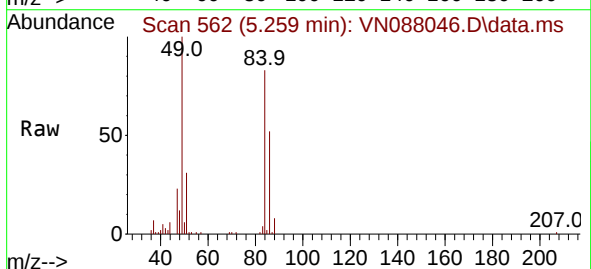
Manual Integrations
 APPROVED

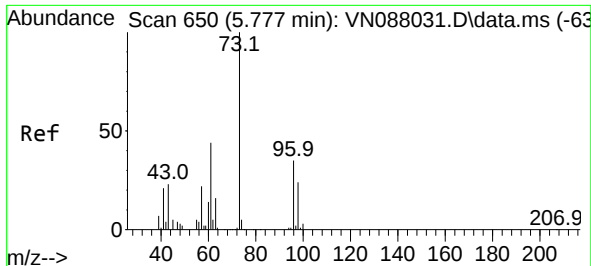
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#18
 Methylene Chloride
 Concen: 16.526 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

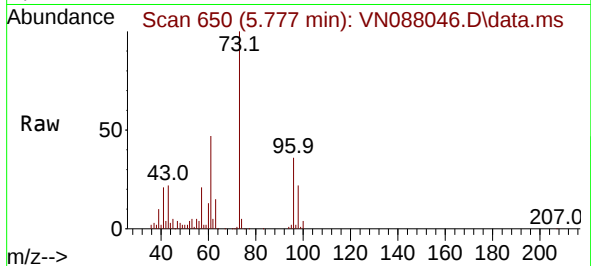
Tgt Ion: 84 Resp: 71982
 Ion Ratio Lower Upper
 84 100
 49 118.0 102.6 153.8
 51 37.5 28.6 42.8
 86 60.3 48.2 72.2





#19
trans-1,2-Dichloroethene
Concen: 16.953 ug/l
RT: 5.777 min Scan# 617
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

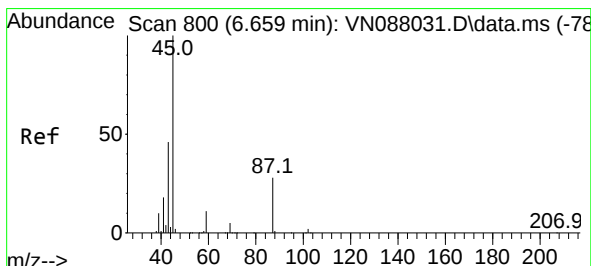
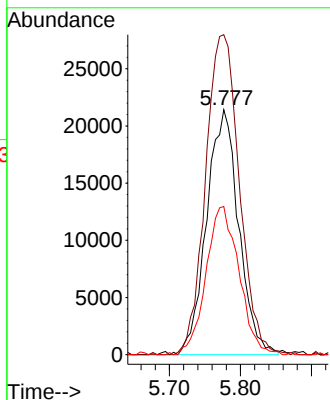
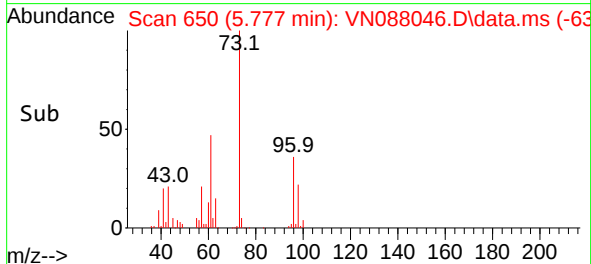
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 96 Resp: 6717
Ion Ratio Lower Upper
96 100
61 129.7 100.6 151.0
98 60.5 54.0 81.0

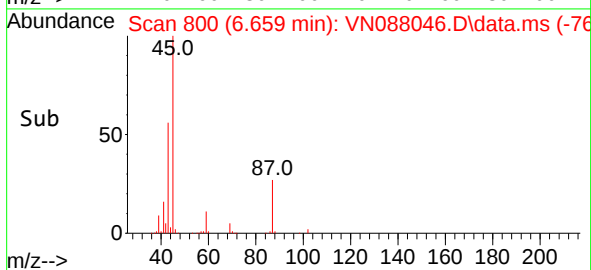
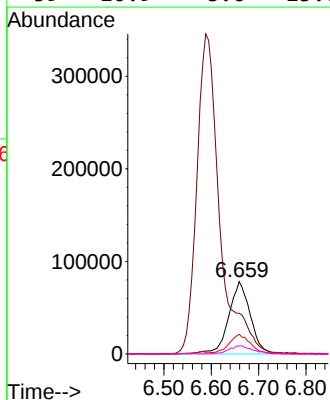
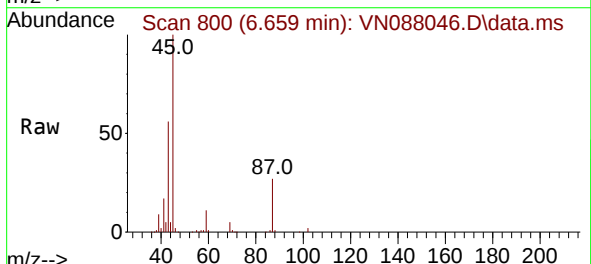
Manual Integrations
APPROVED

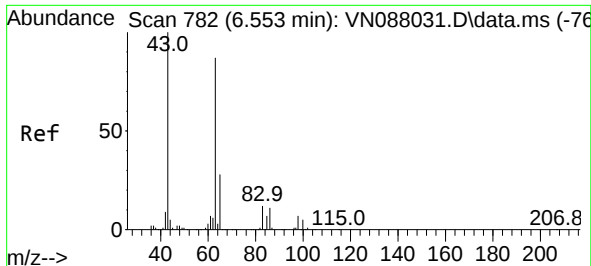
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Diisopropyl ether
Concen: 16.733 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion: 45 Resp: 246350
Ion Ratio Lower Upper
45 100
43 54.6 46.1 69.1
87 27.0 22.3 33.5
59 10.9 8.6 13.0





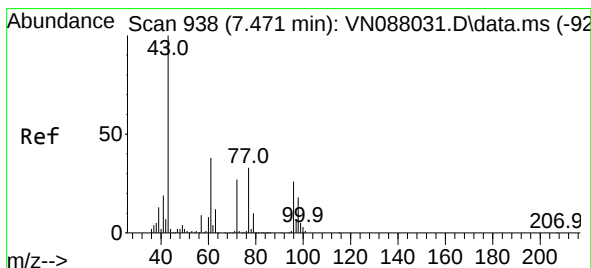
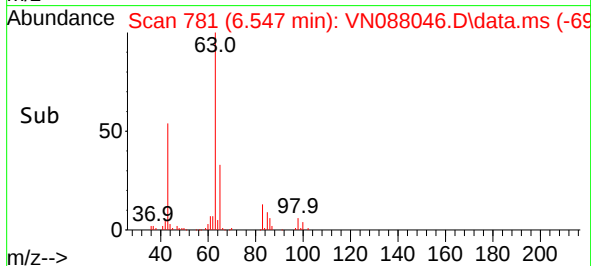
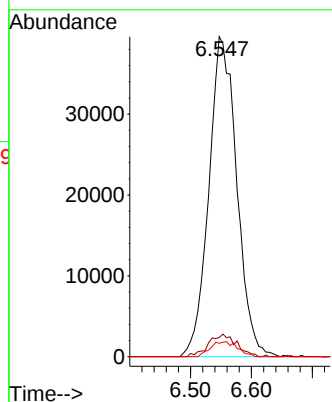
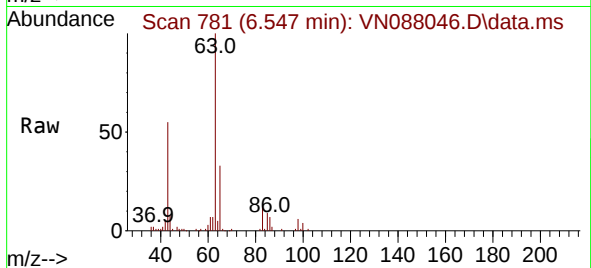
#21
1,1-Dichloroethane
Concen: 16.447 ug/l
RT: 6.547 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 63 Resp: 12604
Ion Ratio Lower Upper
63 100
98 6.0 4.3 12.8
100 4.2 2.6 8.0

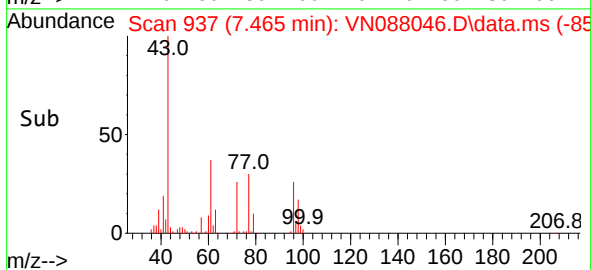
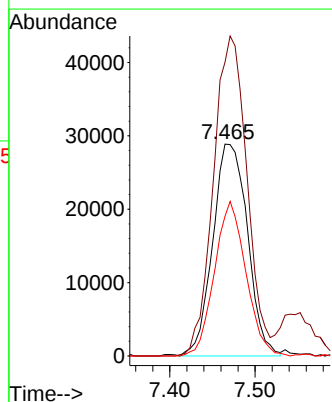
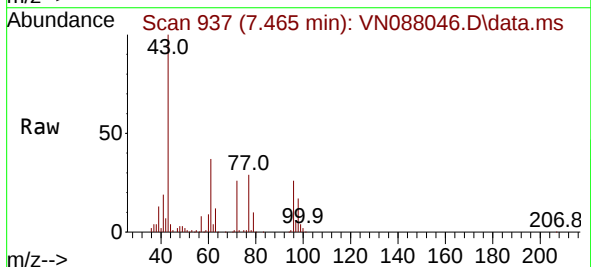
Manual Integrations
APPROVED

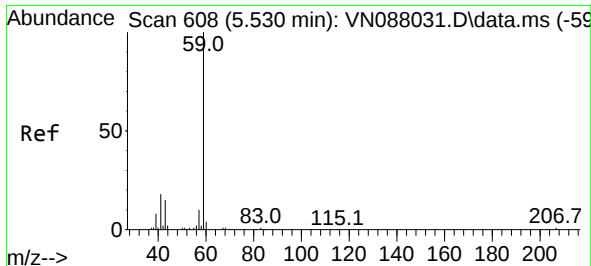
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#22
cis-1,2-Dichloroethene
Concen: 16.485 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

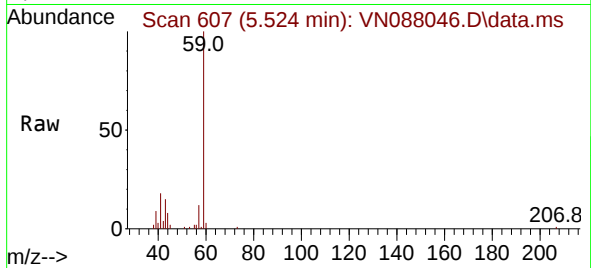
Tgt Ion: 96 Resp: 81766
Ion Ratio Lower Upper
96 100
61 145.7 117.0 175.6
98 66.0 52.6 79.0





#23
tert-Butyl Alcohol
Concen: 79.244 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

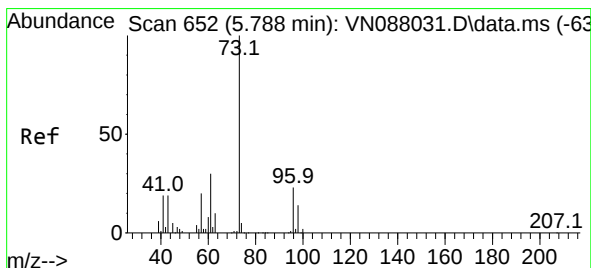
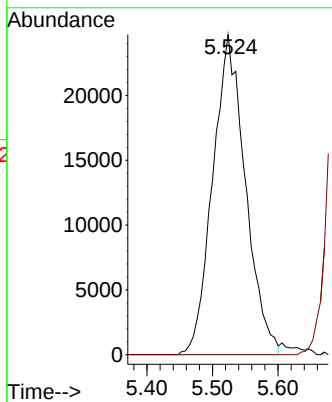
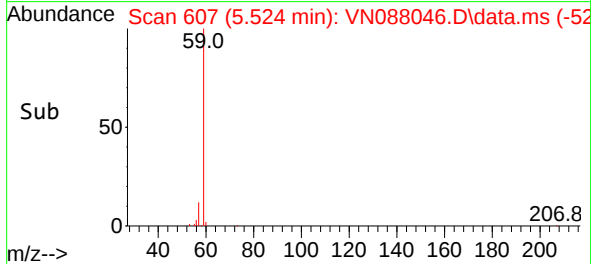
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 59 Resp: 85448
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

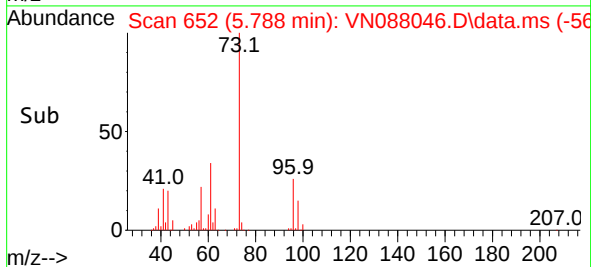
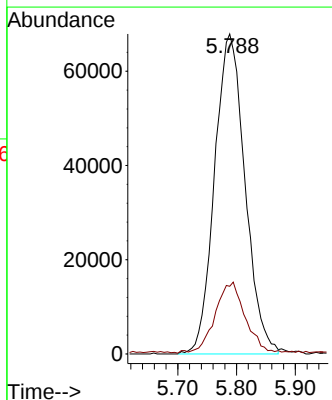
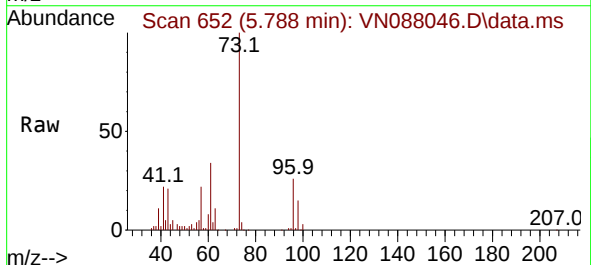
Manual Integrations
APPROVED

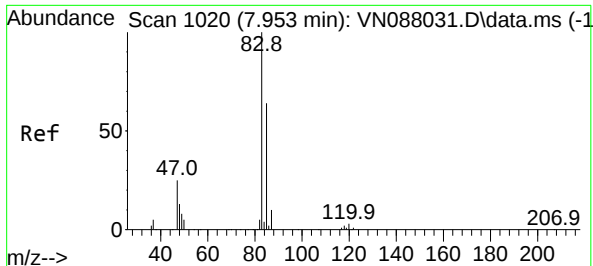
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#24
Methyl tert-Butyl Ether
Concen: 16.521 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion: 73 Resp: 244379
Ion Ratio Lower Upper
73 100
43 21.0 17.0 25.4





#25

Chloroform

Concen: 16.508 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. -0.000 min

Lab File: VN088046.D

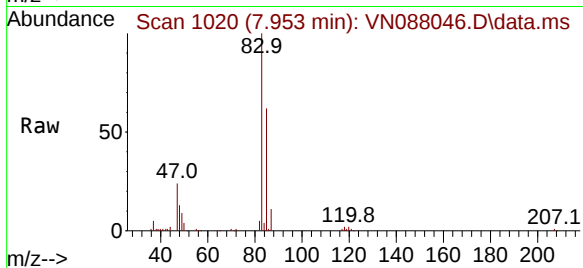
Acq: 08 Oct 2025 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC



Tgt Ion: 83 Resp: 130562

Ion Ratio Lower Upper

83 100

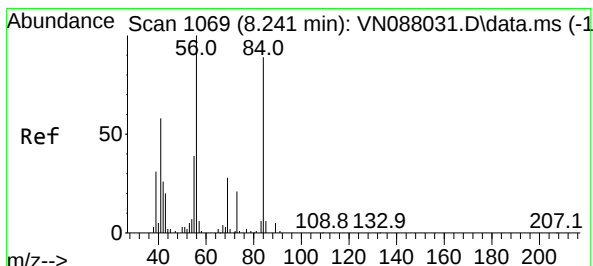
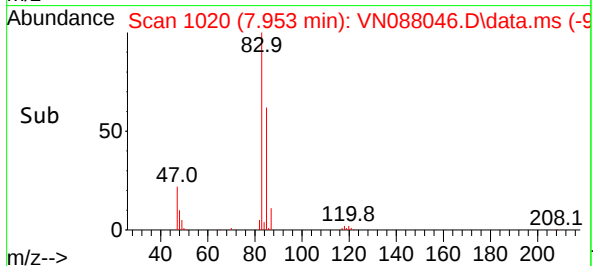
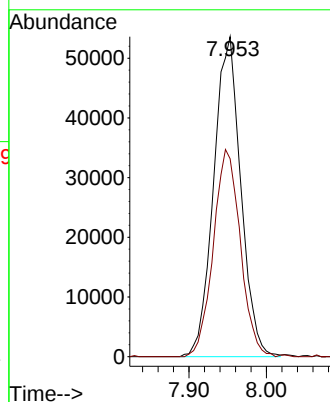
85 61.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#26

Cyclohexane

Concen: 16.693 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

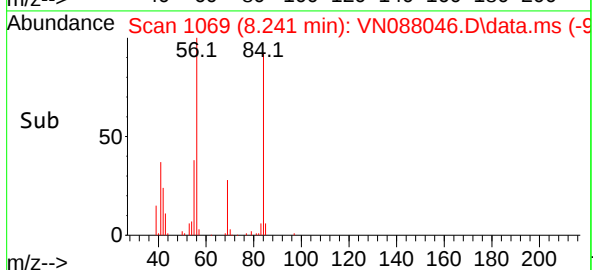
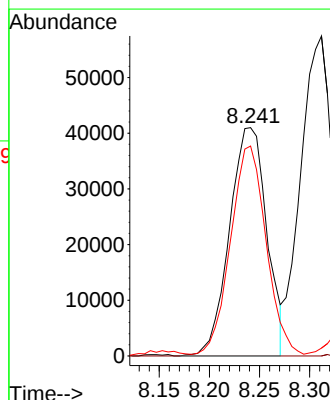
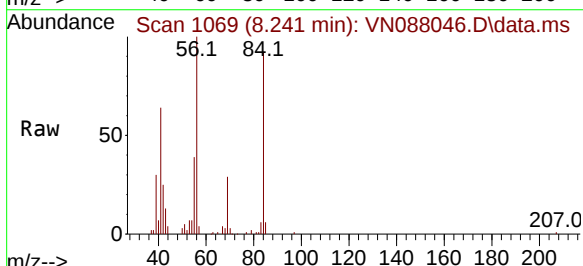
Tgt Ion: 56 Resp: 105997

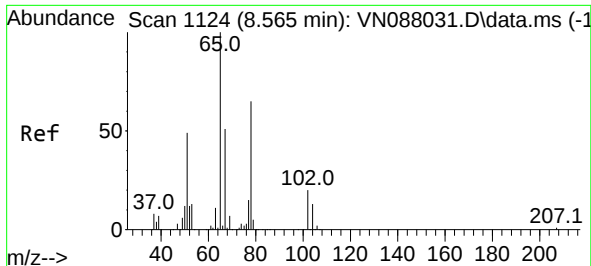
Ion Ratio Lower Upper

56 100

89 0.0 8.6 12.8#

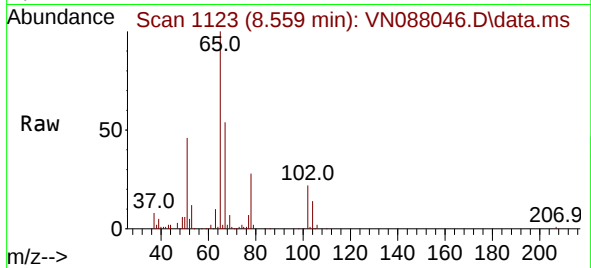
84 87.0 69.6 104.4





#27
1,2-Dichloroethane-d4
Concen: 29.797 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

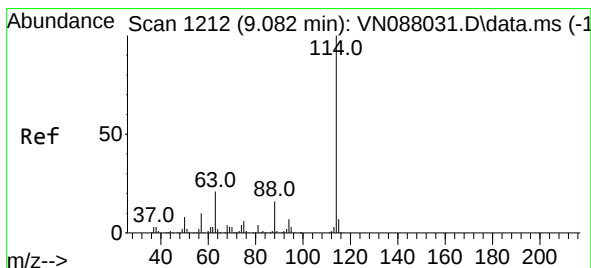
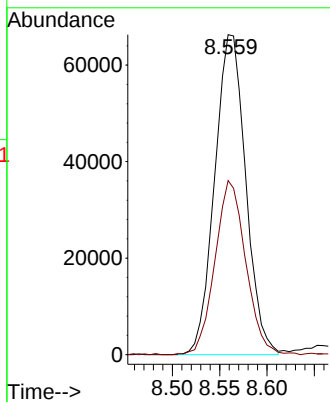
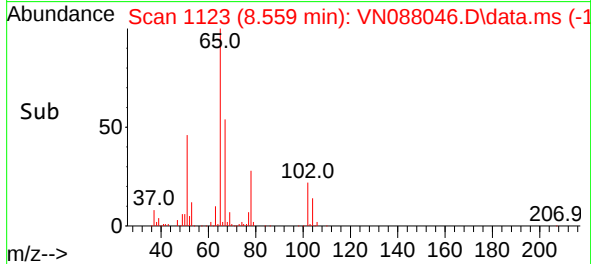
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 65 Resp: 151228
Ion Ratio Lower Upper
65 100
67 53.7 41.9 62.9

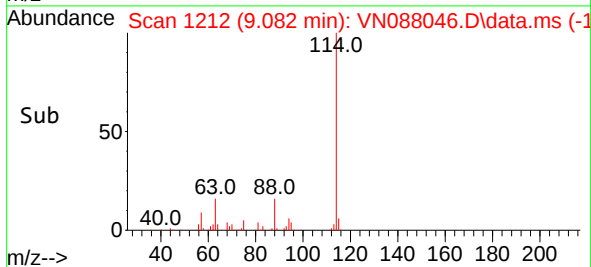
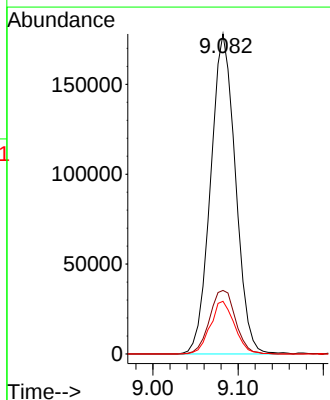
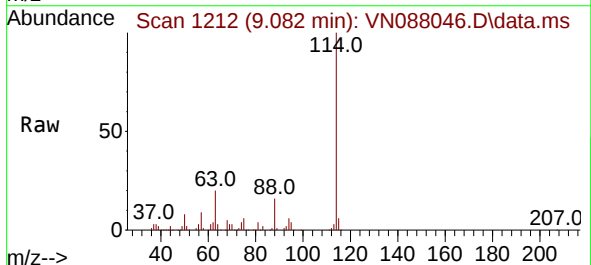
Manual Integrations
APPROVED

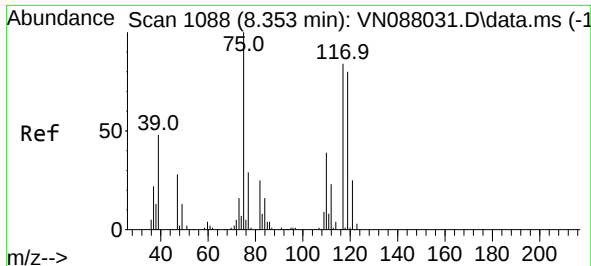
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

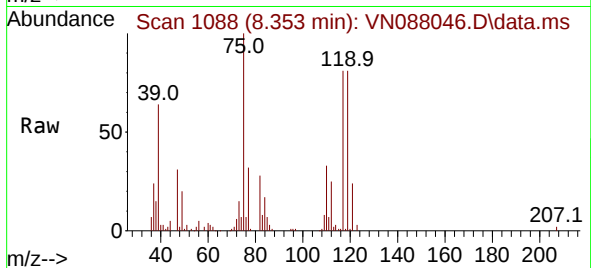
Tgt Ion:114 Resp: 361179
Ion Ratio Lower Upper
114 100
63 20.7 16.6 25.0
88 16.1 12.6 18.8





#29
1,1-Dichloropropene
Concen: 17.090 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

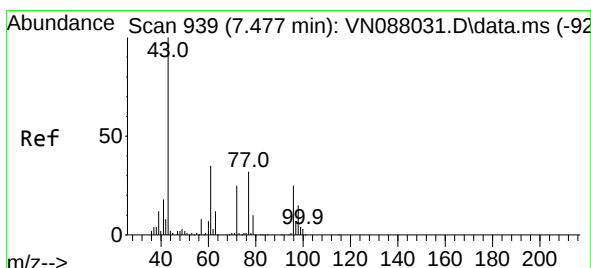
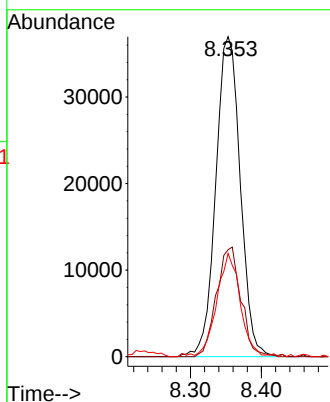
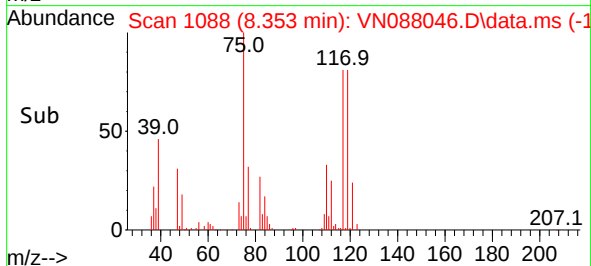
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 88470
Ion Ratio Lower Upper
75 100
110 34.1 0.0 72.2
77 29.7 0.0 60.6

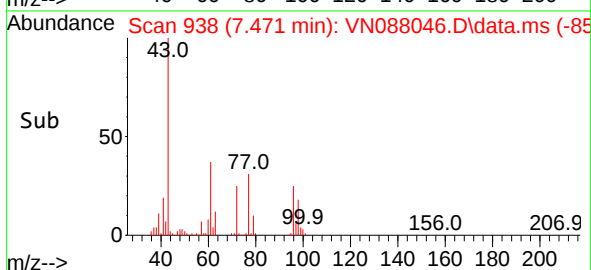
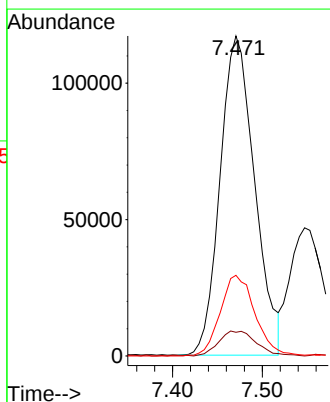
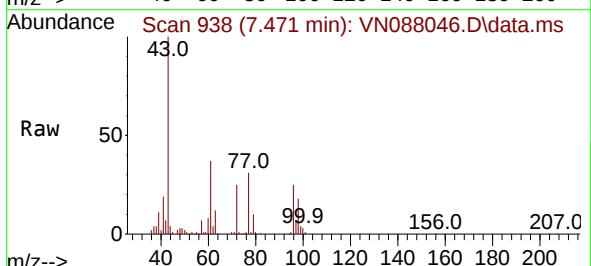
Manual Integrations
APPROVED

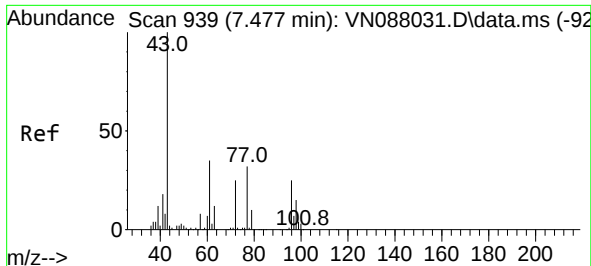
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#30
2-Butanone
Concen: 82.062 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion: 43 Resp: 313336
Ion Ratio Lower Upper
43 100
57 8.5 6.5 9.7
72 25.4 21.4 32.2





#31

2,2-Dichloropropane

Concen: 16.007 ug/l

RT: 7.476 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 106770

Ion Ratio Lower Upper

77 100

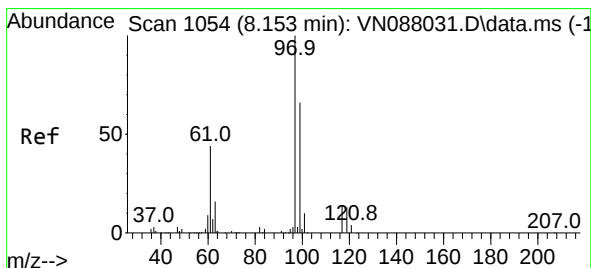
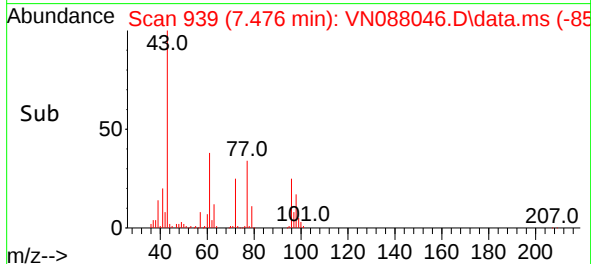
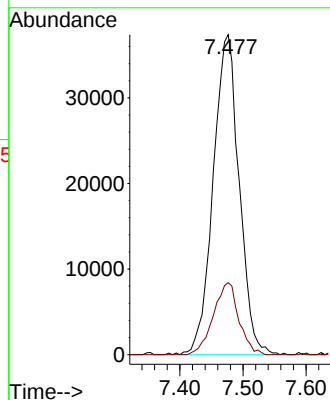
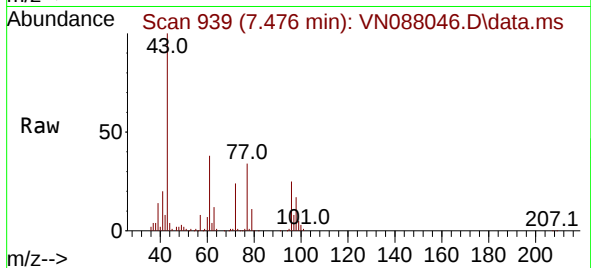
97 22.0 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#32

1,1,1-Trichloroethane

Concen: 16.830 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

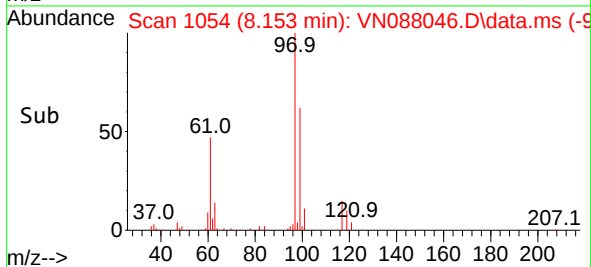
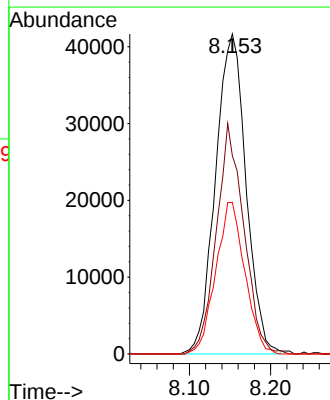
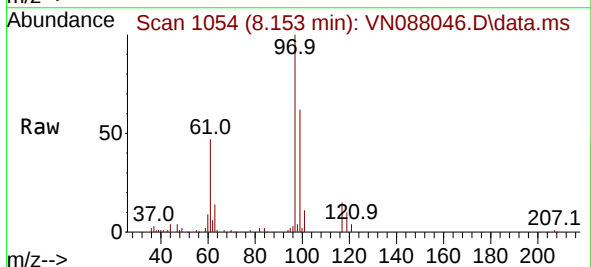
Tgt Ion: 97 Resp: 108875

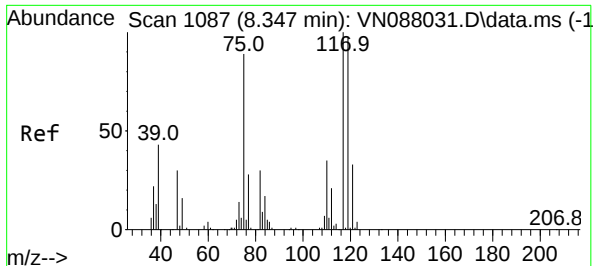
Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

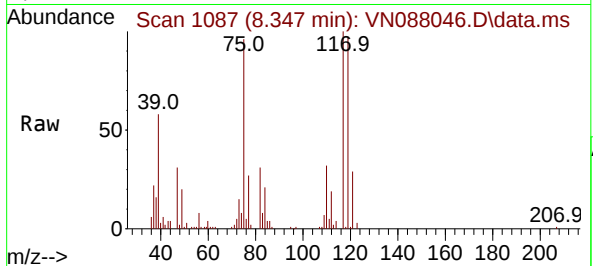
61 45.2 34.7 52.1





#33
Carbon Tetrachloride
Concen: 17.057 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

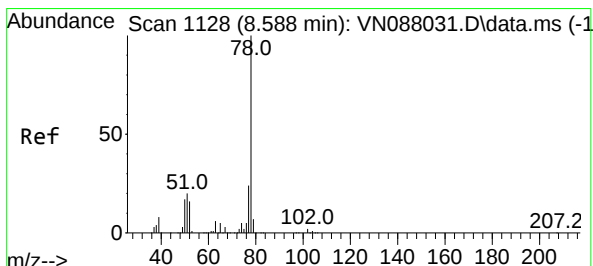
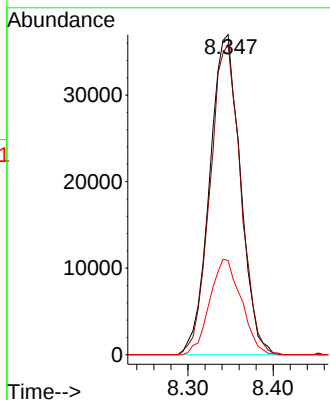
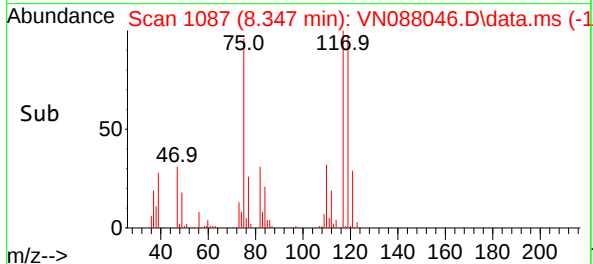
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 92423
Ion Ratio Lower Upper
117 100
119 97.0 77.9 116.9
121 29.4 26.4 39.6

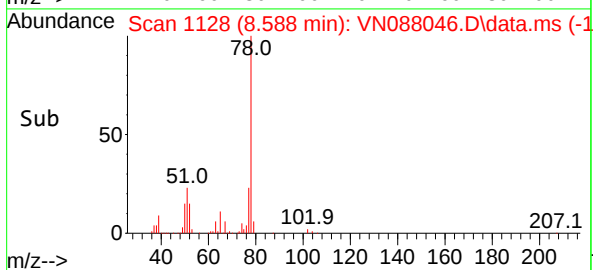
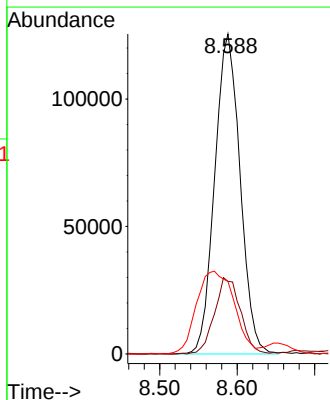
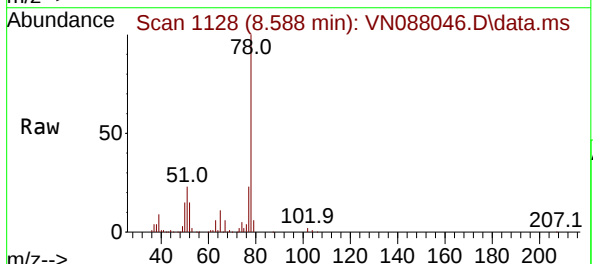
Manual Integrations
APPROVED

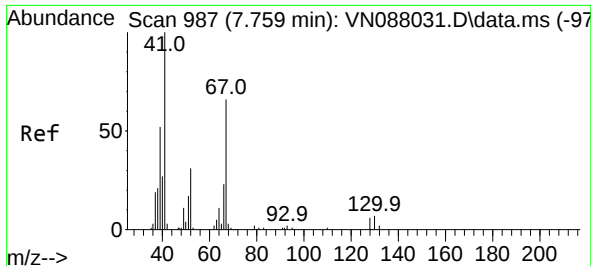
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
Benzene
Concen: 16.670 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

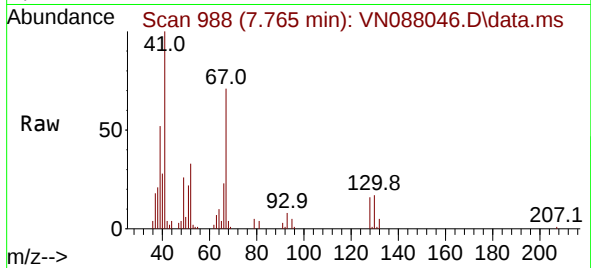
Tgt Ion: 78 Resp: 286263
Ion Ratio Lower Upper
78 100
77 22.5 18.9 28.3
51 21.6 15.6 23.4





#35
Methacrylonitrile
Concen: 15.845 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

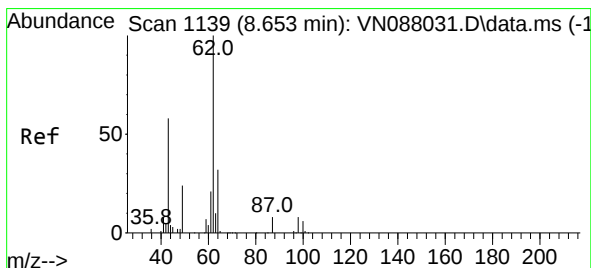
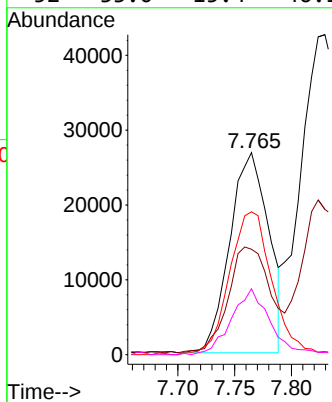
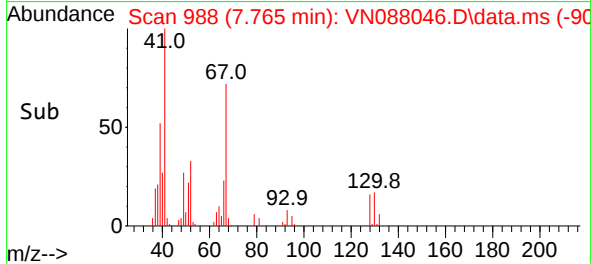
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 41 Resp: 6362
Ion Ratio Lower Upper
41 100
39 51.7 26.1 78.3
67 71.4 33.1 99.2
52 33.0 15.4 46.1

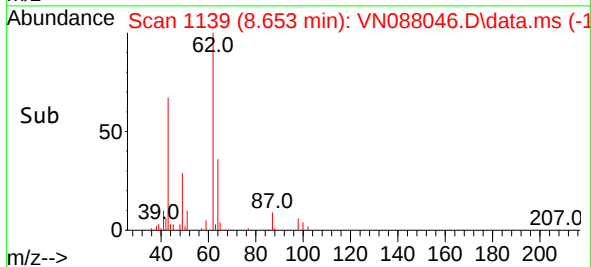
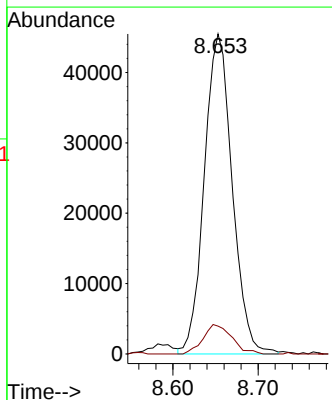
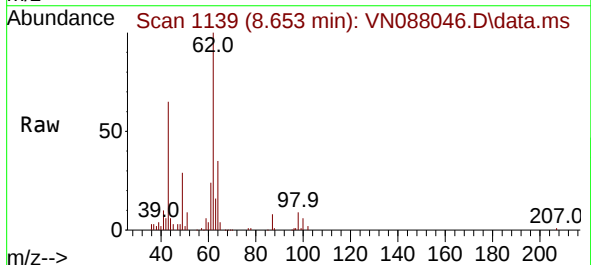
Manual Integrations
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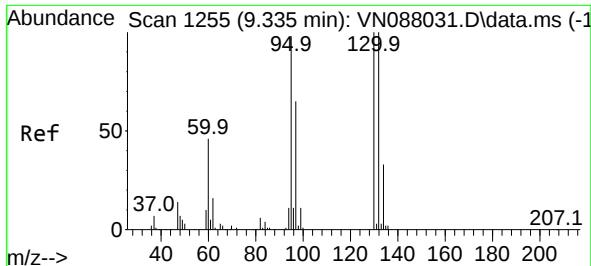
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36
1,2-Dichloroethane
Concen: 17.386 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

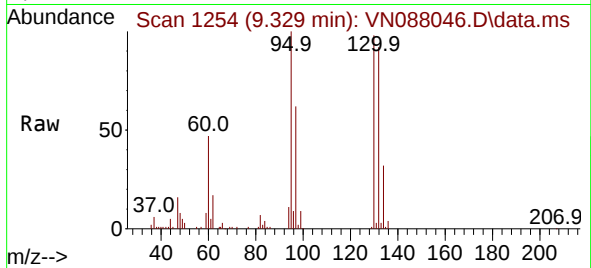
Tgt Ion: 62 Resp: 103649
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6





#37
Trichloroethene
Concen: 16.484 ug/l
RT: 9.329 min Scan# 1254
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

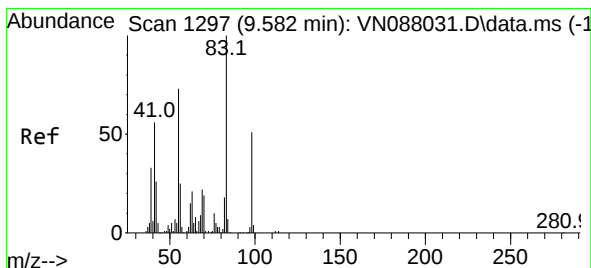
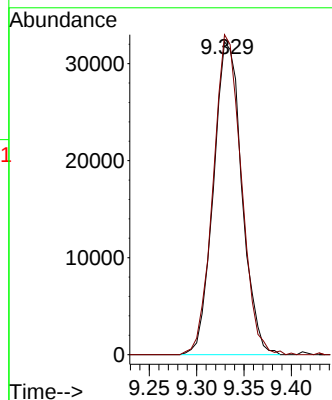
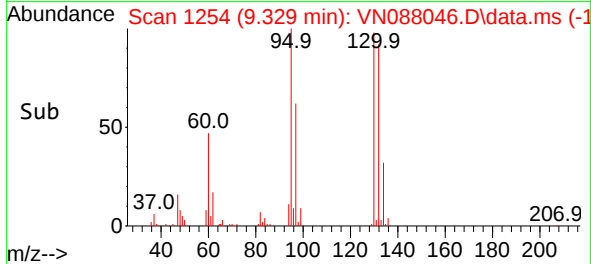
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



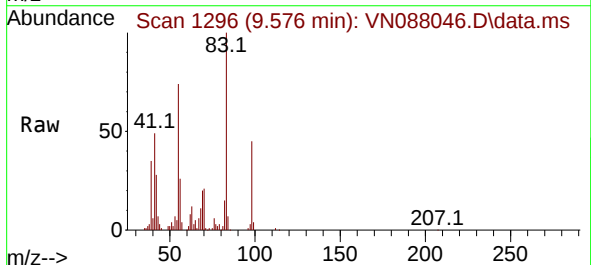
Tgt Ion:130 Resp: 67064
Ion Ratio Lower Upper
130 100
95 102.3 78.7 118.1

Manual Integrations
APPROVED

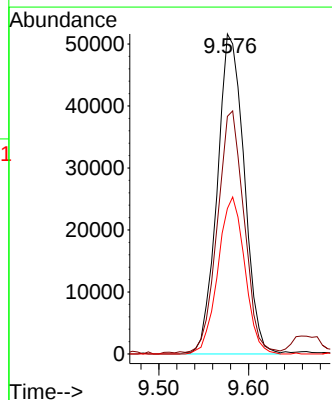
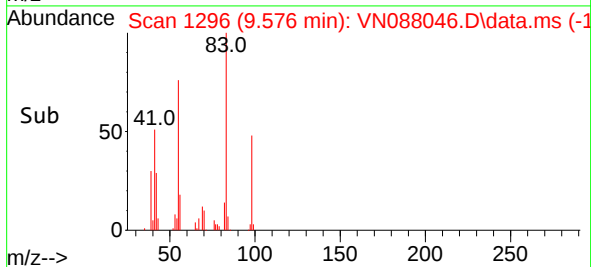
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

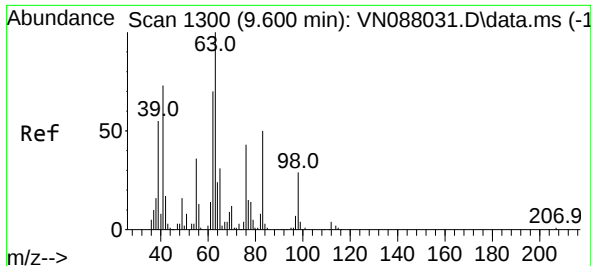


#38
Methylcyclohexane
Concen: 16.821 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



Tgt Ion: 83 Resp: 107543
Ion Ratio Lower Upper
83 100
55 74.2 37.3 111.9
98 48.9 25.4 76.0





#39

1,2-Dichloropropane

Concen: 16.986 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 7313

Ion Ratio Lower Upper

63 100

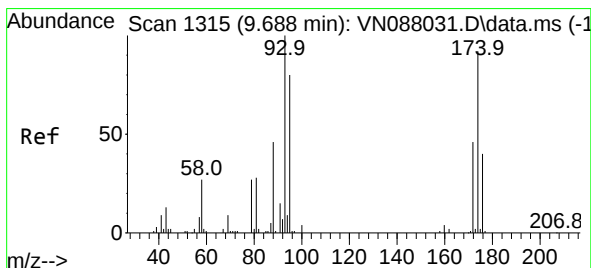
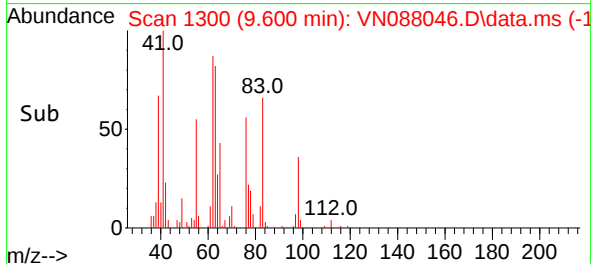
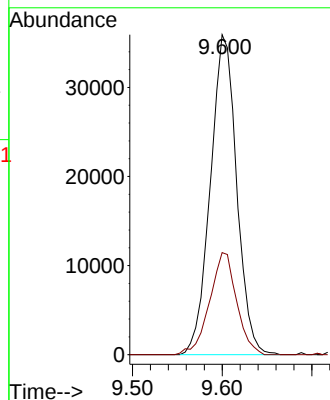
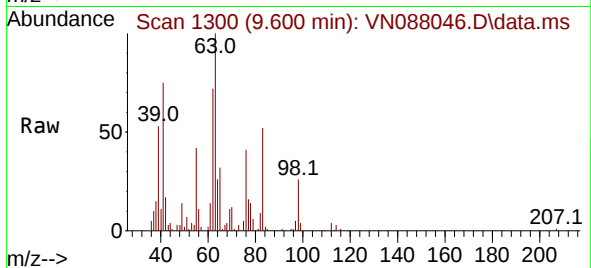
65 31.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#40

Dibromomethane

Concen: 16.900 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

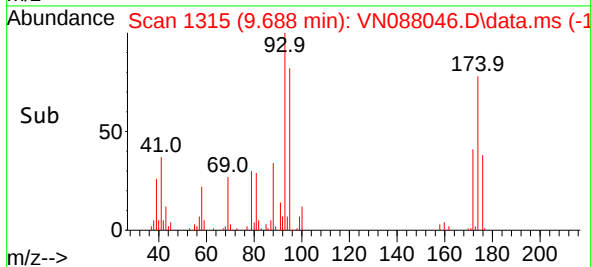
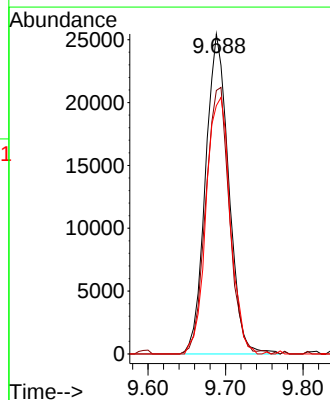
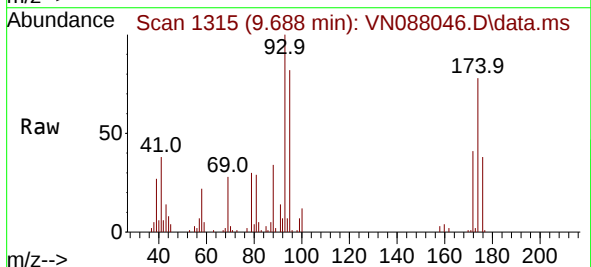
Tgt Ion: 93 Resp: 52969

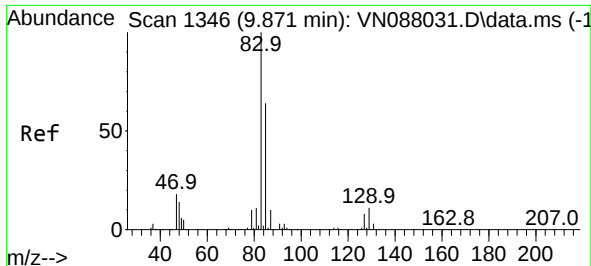
Ion Ratio Lower Upper

93 100

95 84.7 0.0 158.6

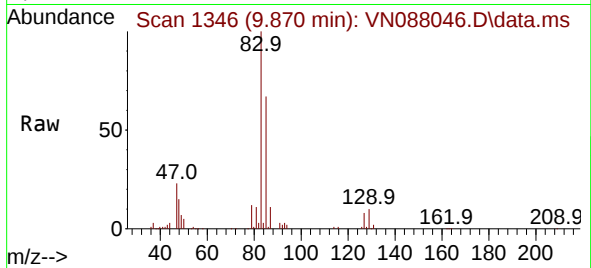
174 83.2 0.0 180.8





#41
Bromodichloromethane
Concen: 16.612 ug/l
RT: 9.870 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

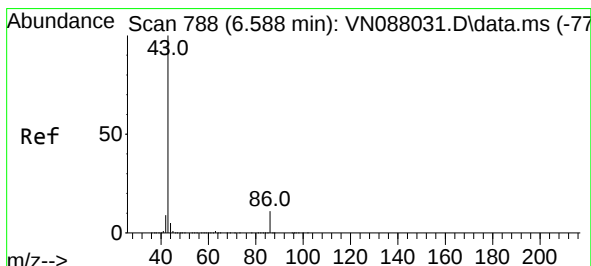
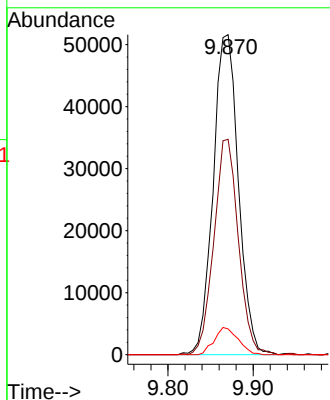
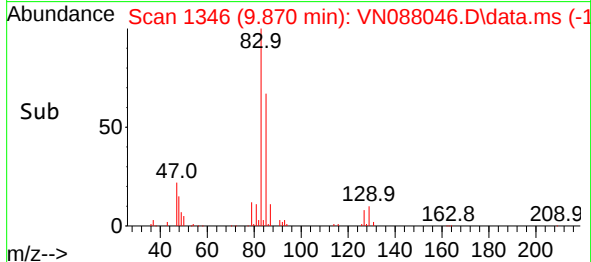
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 83 Resp: 106339
Ion Ratio Lower Upper
83 100
85 67.3 51.0 76.4
127 8.1 6.1 9.1

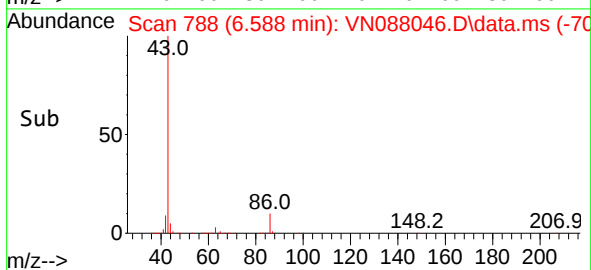
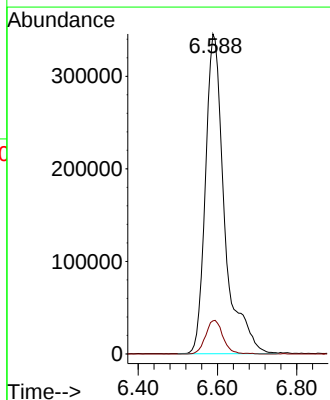
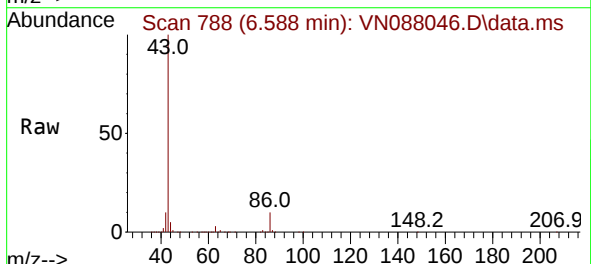
Manual Integrations
APPROVED

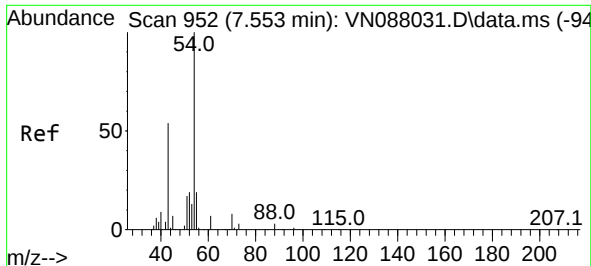
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42
Vinyl Acetate
Concen: 88.778 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

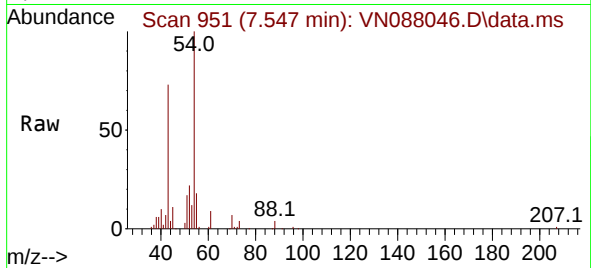
Tgt Ion: 43 Resp: 1154807
Ion Ratio Lower Upper
43 100
86 9.5 8.4 12.6





#43
Ethyl Acetate
Concen: 16.199 ug/l
RT: 7.547 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

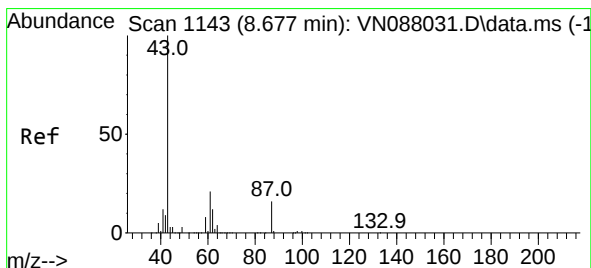
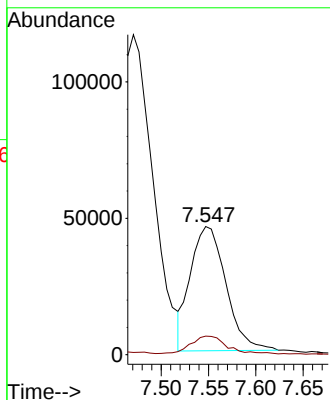
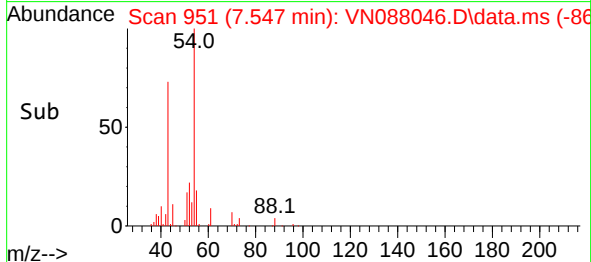
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 118900
Ion Ratio Lower Upper
43 100
45 14.7 10.2 15.4

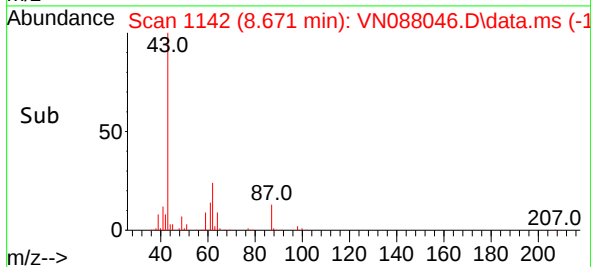
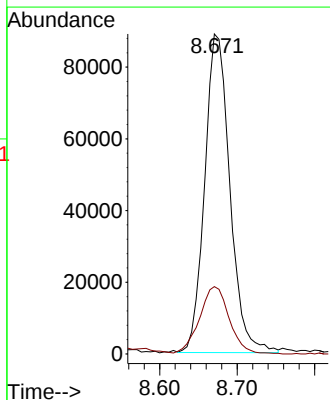
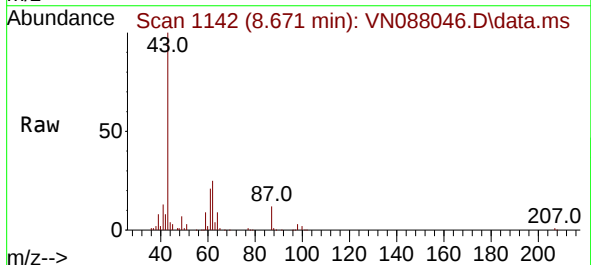
Manual Integrations
APPROVED

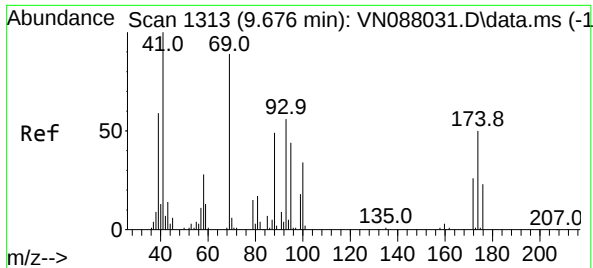
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
Isopropyl Acetate
Concen: 16.760 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

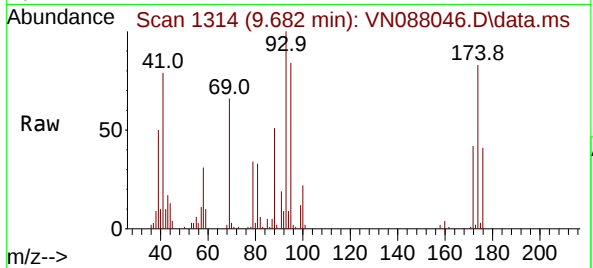
Tgt Ion: 43 Resp: 200918
Ion Ratio Lower Upper
43 100
61 25.0 18.7 28.1





#45
1,4-Dioxane
Concen: 305.197 ug/l
RT: 9.682 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

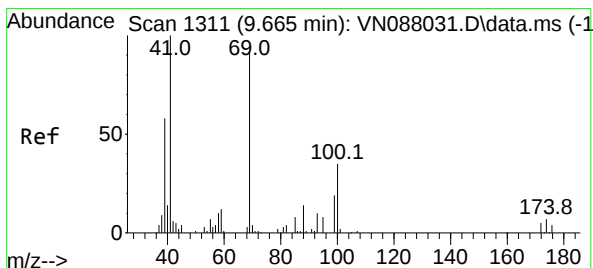
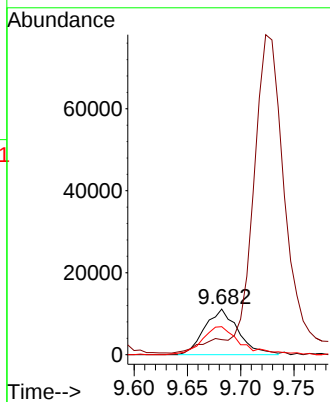
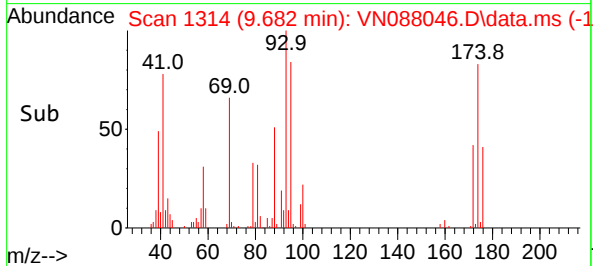
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



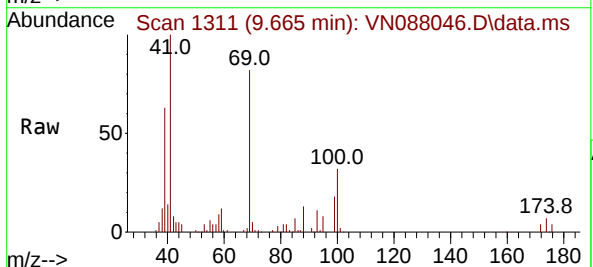
Tgt Ion: 88 Resp: 24334
Ion Ratio Lower Upper
88 100
43 27.5 18.6 27.8
58 62.7 57.4 86.2

Manual Integrations
APPROVED

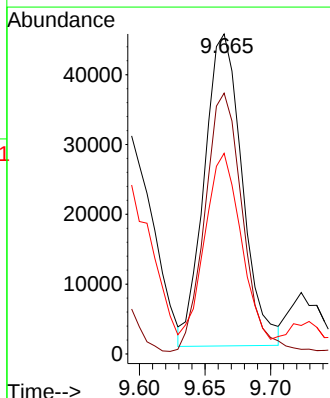
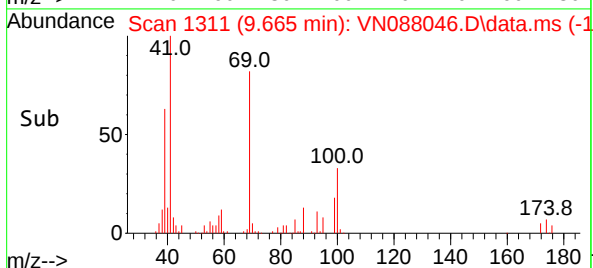
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

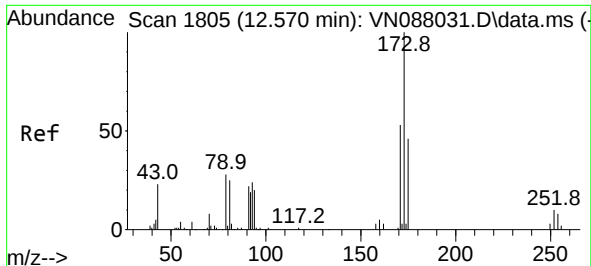


#46
Methyl methacrylate
Concen: 17.042 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



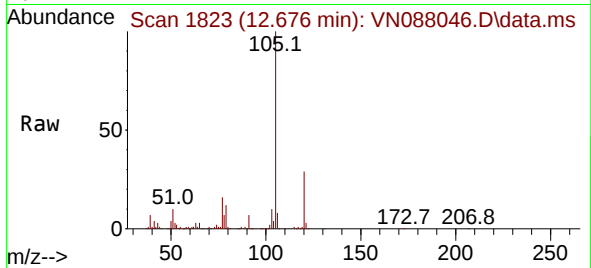
Tgt Ion: 41 Resp: 89970
Ion Ratio Lower Upper
41 100
69 87.4 44.9 134.7
39 62.5 30.3 90.8





#47
n-amy1 Acetate
Concen: 17.301 ug/l m
RT: 12.676 min Scan# 1805
Delta R.T. 0.106 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

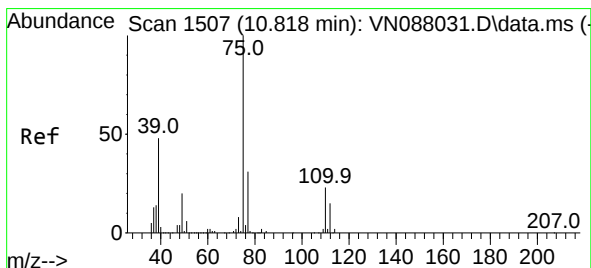
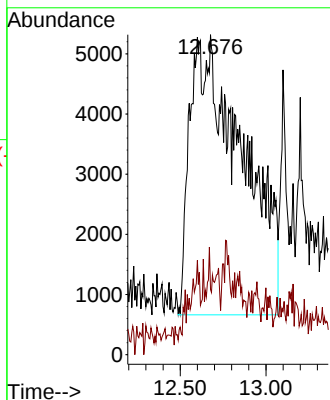
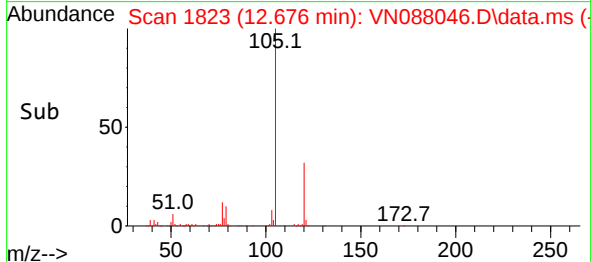
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 98308
Ion Ratio Lower Upper
43 100
55 0.4 0.6 0.8

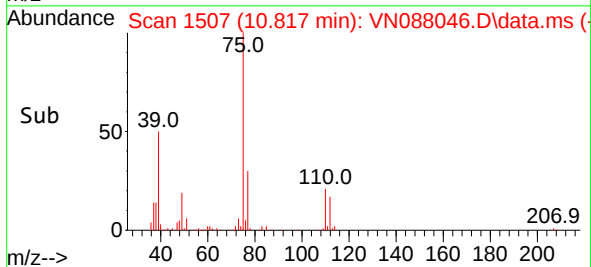
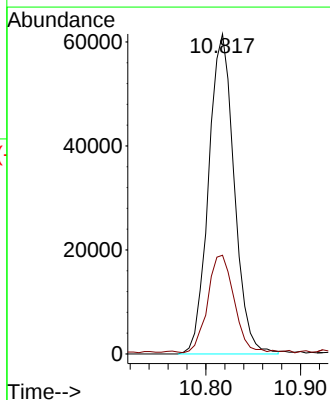
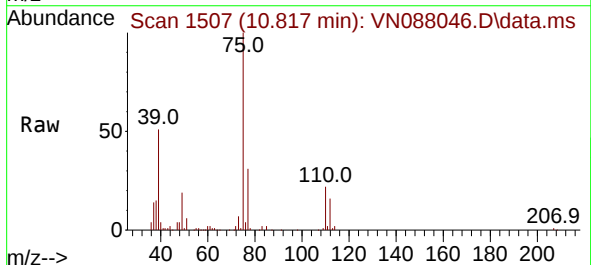
Manual Integrations
APPROVED

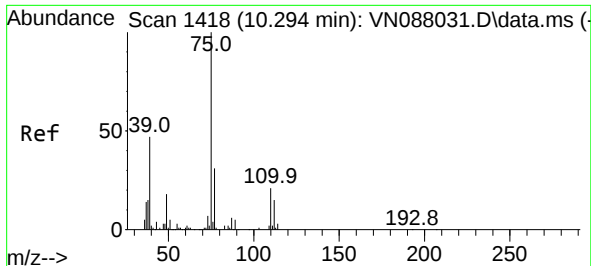
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
t-1,3-Dichloropropene
Concen: 16.272 ug/l
RT: 10.817 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

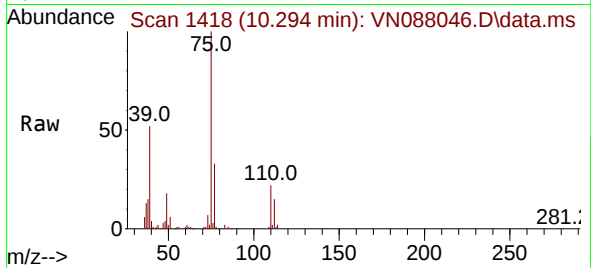
Tgt Ion: 75 Resp: 115827
Ion Ratio Lower Upper
75 100
77 30.2 24.5 36.7





#49
 cis-1,3-Dichloropropene
 Concen: 16.387 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

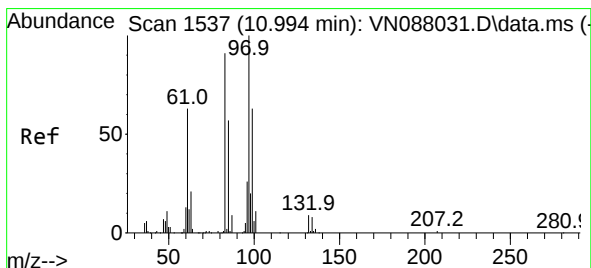
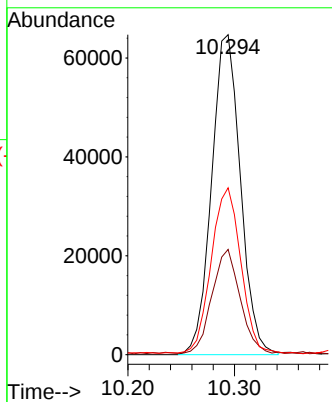
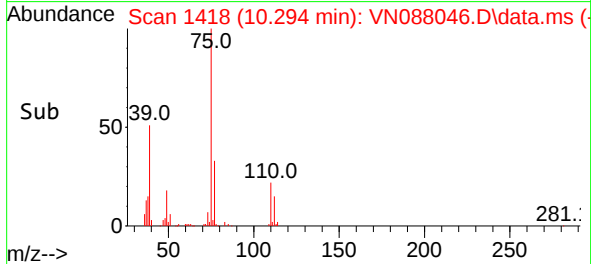
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



Tgt Ion: 75 Resp: 121679
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.0 37.4
 39 51.6 37.4 56.0

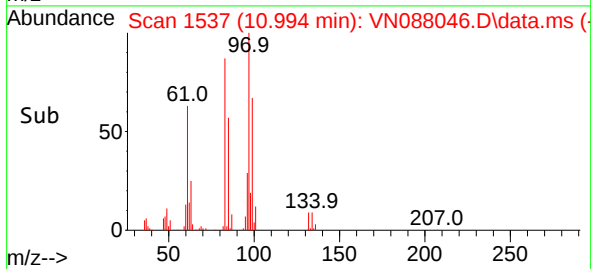
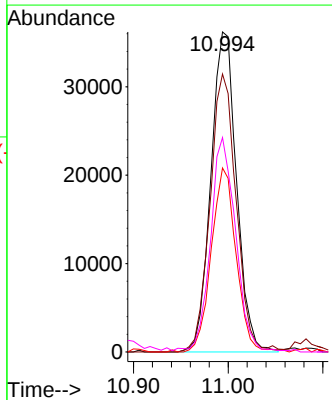
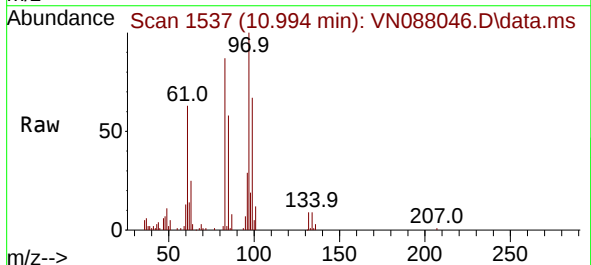
Manual Integrations
 APPROVED

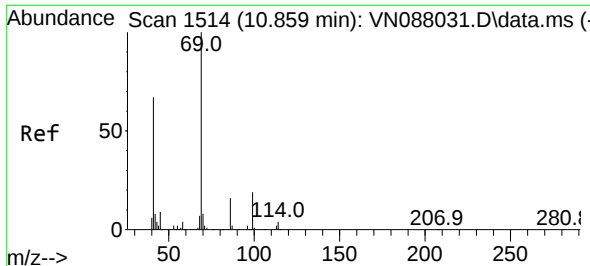
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#50
 1,1,2-Trichloroethane
 Concen: 16.405 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

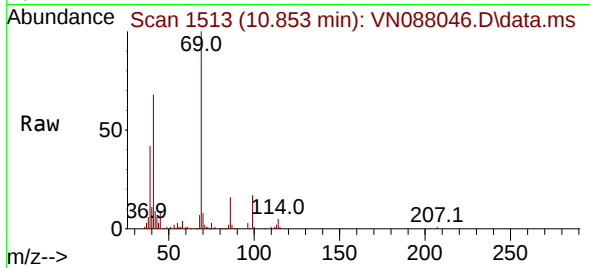
Tgt Ion: 97 Resp: 68090
 Ion Ratio Lower Upper
 97 100
 83 86.9 72.5 108.7
 85 57.5 45.5 68.3
 99 66.6 50.0 75.0





#51
Ethyl methacrylate
Concen: 16.562 ug/l
RT: 10.853 min Scan# 11633
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

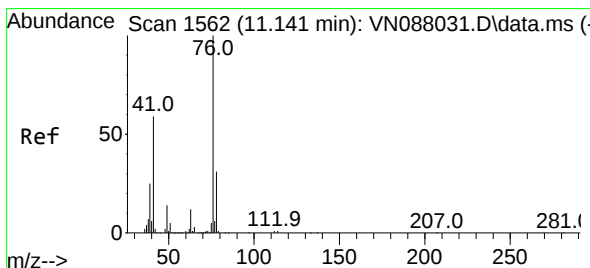
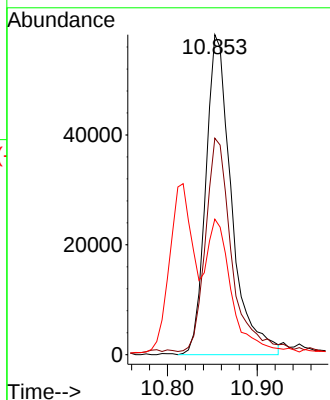
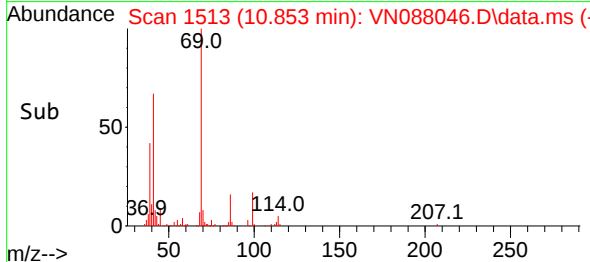
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 69 Resp: 11633
Ion Ratio Lower Upper
69 100
41 66.2 33.3 99.8
39 40.4 20.3 61.0

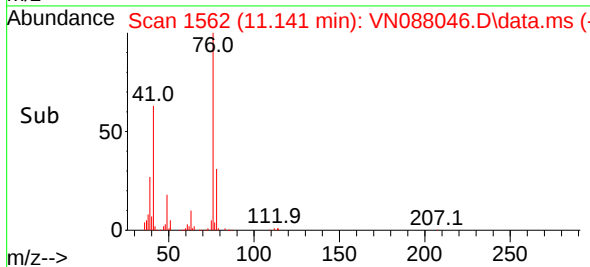
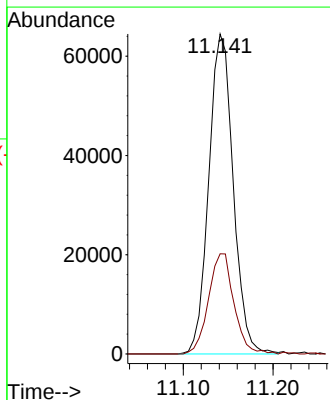
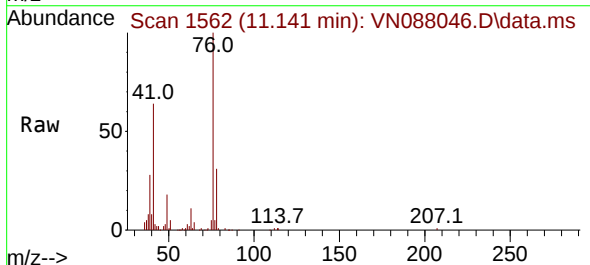
Manual Integrations
APPROVED

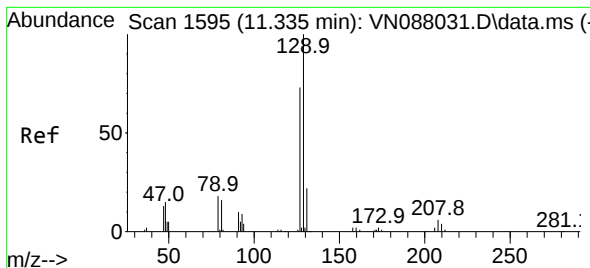
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52
1,3-Dichloropropane
Concen: 16.836 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

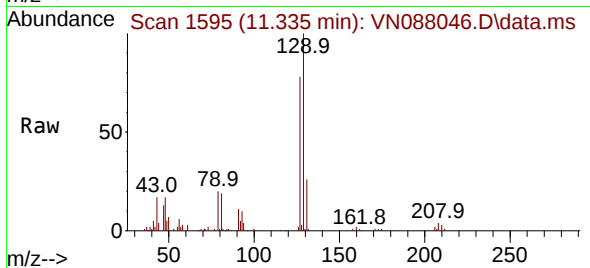
Tgt Ion: 76 Resp: 121916
Ion Ratio Lower Upper
76 100
78 32.6 0.0 65.0





#53
Dibromochloromethane
Concen: 16.324 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

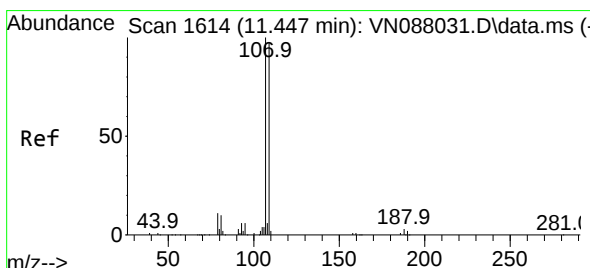
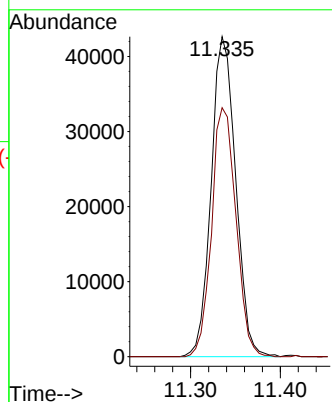
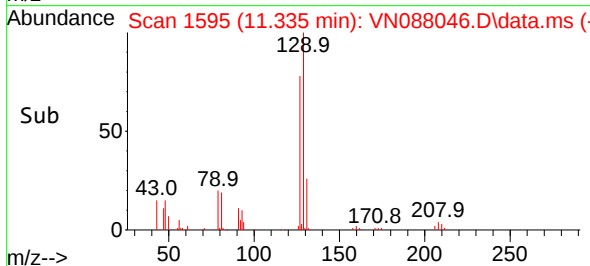
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



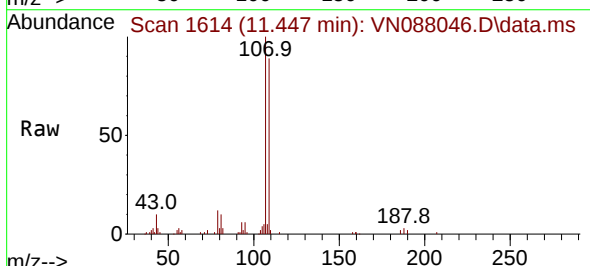
Tgt Ion:129 Resp: 8100
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3

Manual Integrations
APPROVED

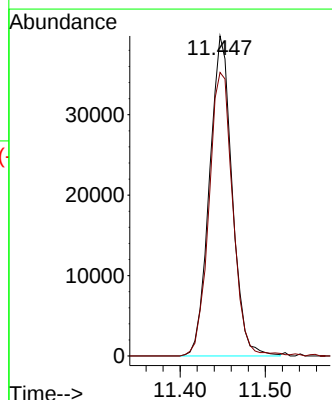
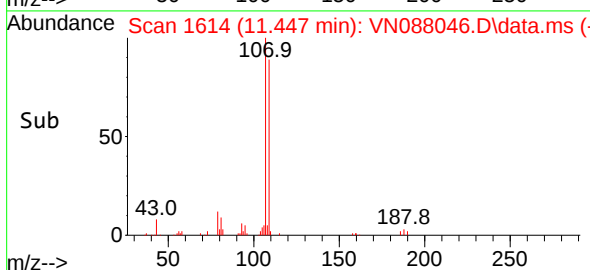
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

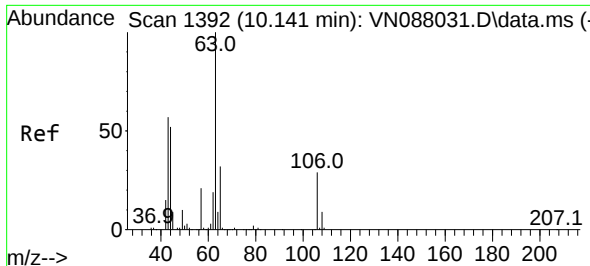


#54
1,2-Dibromoethane
Concen: 16.599 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



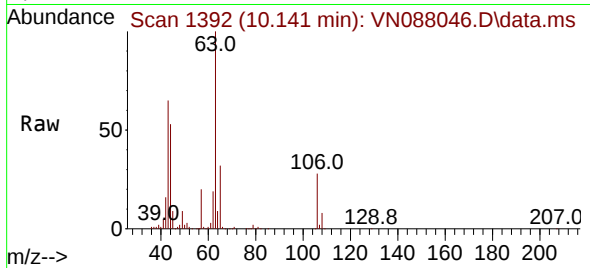
Tgt Ion:107 Resp: 73659
Ion Ratio Lower Upper
107 100
109 92.5 75.5 113.3





#55
2-Chloroethyl vinyl ether
Concen: 86.824 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

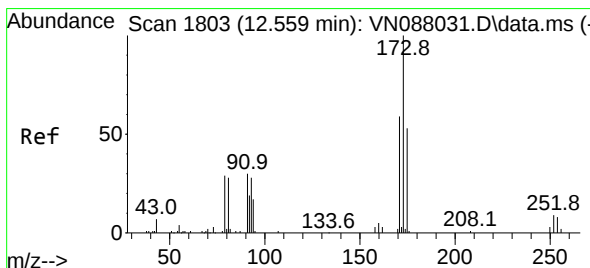
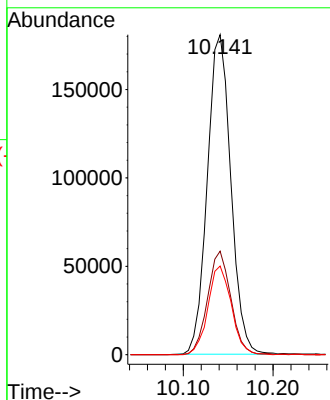
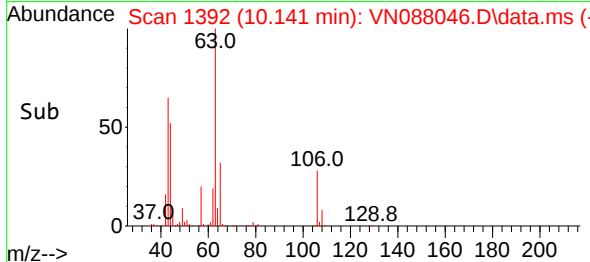
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 63 Resp: 32920
Ion Ratio Lower Upper
63 100
65 31.9 25.7 38.5
106 27.6 22.6 34.0

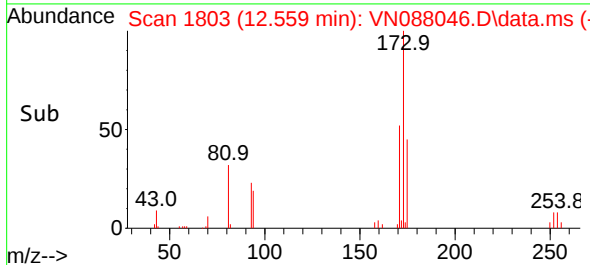
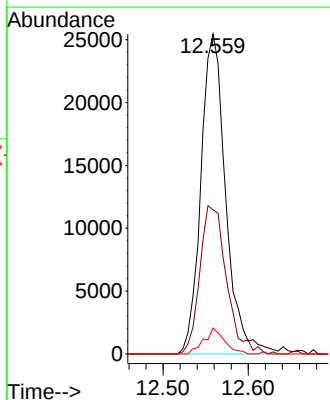
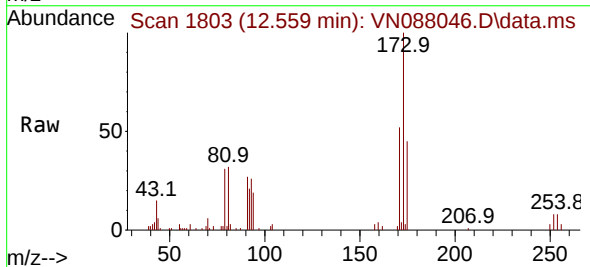
Manual Integrations
APPROVED

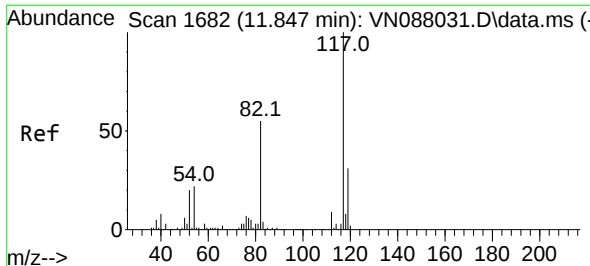
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
Bromoform
Concen: 15.364 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

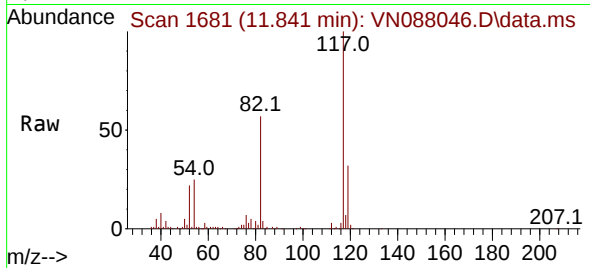
Tgt Ion:173 Resp: 51542
Ion Ratio Lower Upper
173 100
175 48.0 39.6 59.4
254 6.7 6.6 10.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

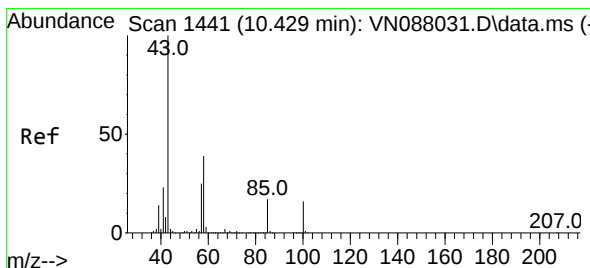
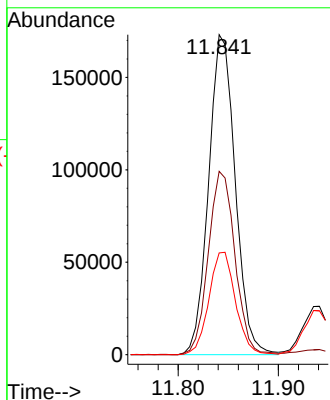
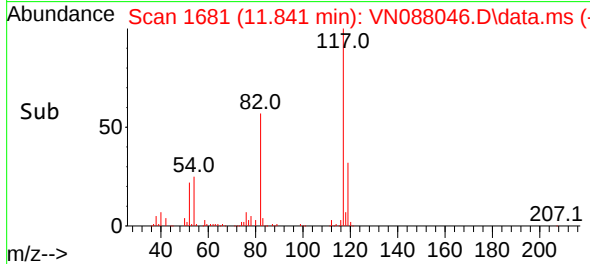
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 117 Resp: 31952
Ion Ratio Lower Upper
117 100
82 57.4 45.2 67.8
119 32.0 25.9 38.9

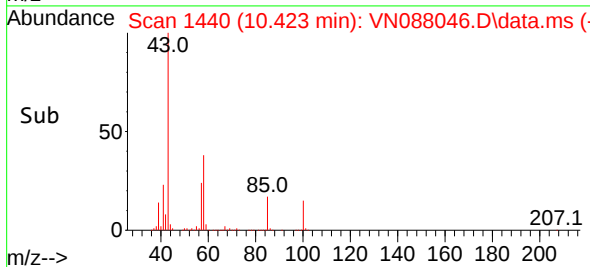
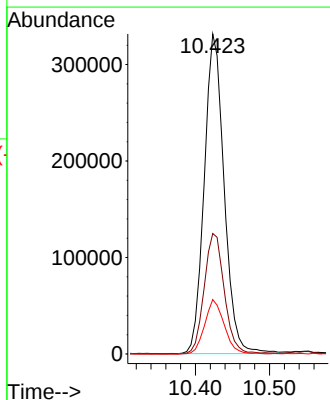
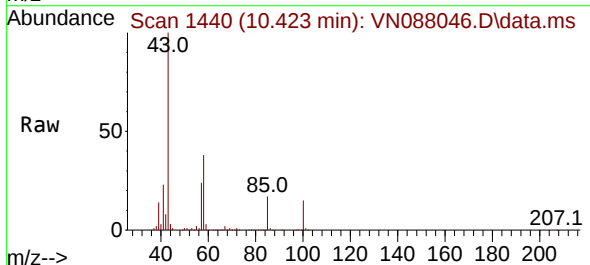
Manual Integrations
APPROVED

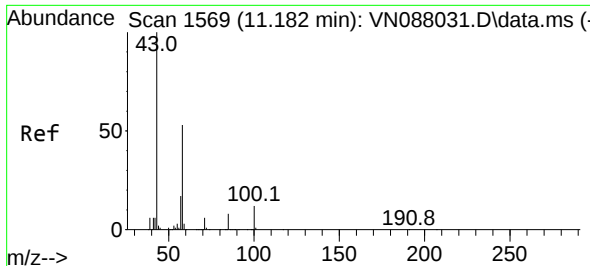
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
4-Methyl-2-Pentanone
Concen: 86.469 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

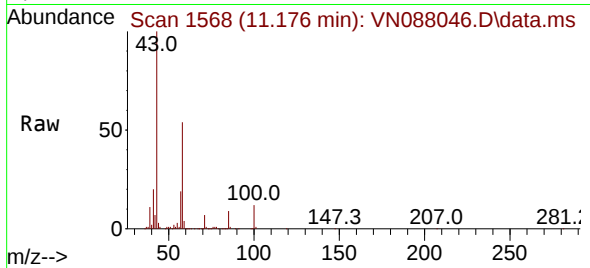
Tgt Ion: 43 Resp: 617990
Ion Ratio Lower Upper
43 100
58 37.9 31.2 46.8
85 16.6 13.7 20.5





#59
2-Hexanone
Concen: 81.651 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

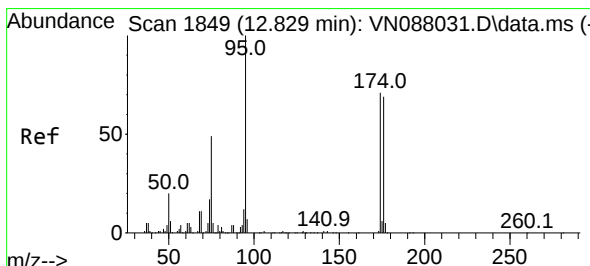
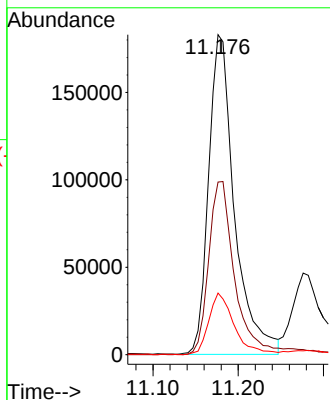
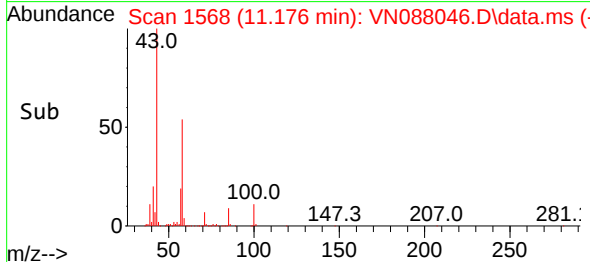
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 43 Resp: 385288
Ion Ratio Lower Upper
43 100
58 54.1 43.1 64.7
57 19.0 14.6 21.8

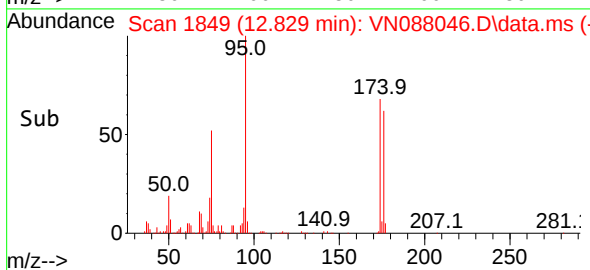
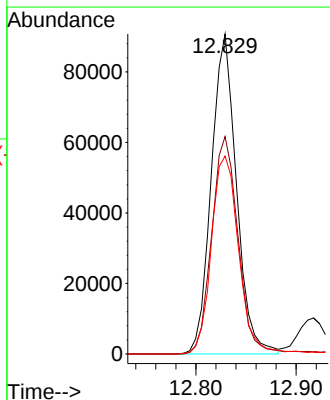
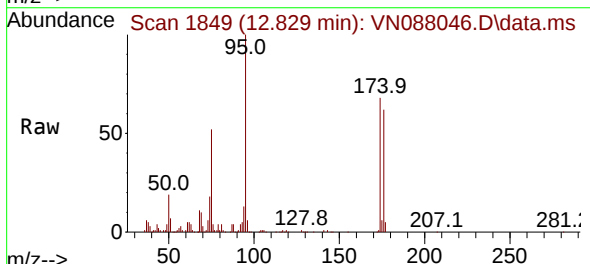
Manual Integrations
APPROVED

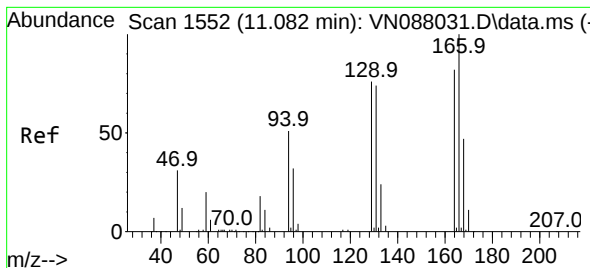
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
4-Bromofluorobenzene
Concen: 30.080 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

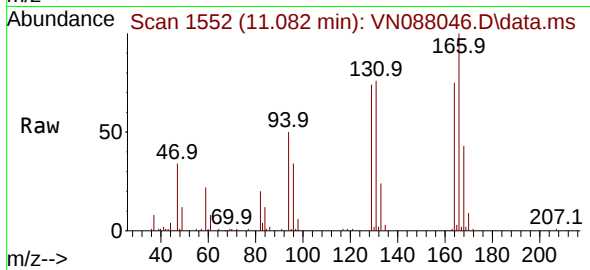
Tgt Ion: 95 Resp: 158448
Ion Ratio Lower Upper
95 100
174 70.8 57.4 86.0
176 66.8 57.0 85.4





#61
Tetrachloroethene
Concen: 16.203 ug/l
RT: 11.082 min Scan# 1108
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

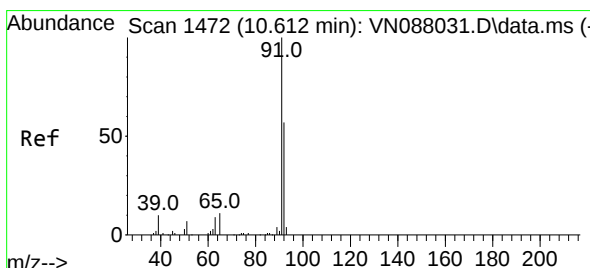
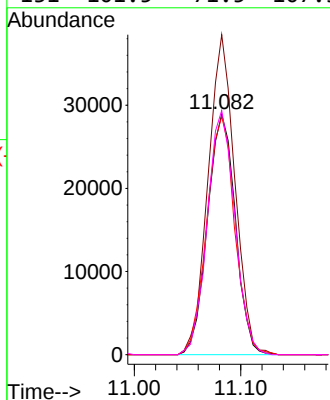
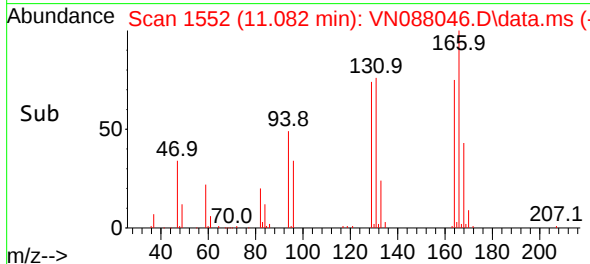
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



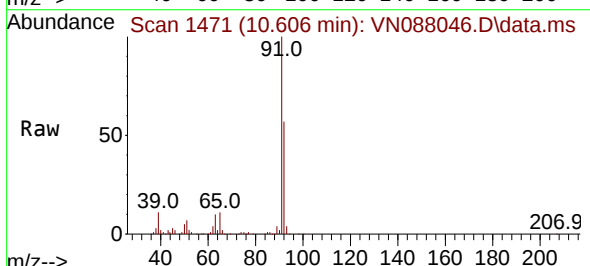
Tgt Ion:164 Resp: 52428
Ion Ratio Lower Upper
164 100
166 133.0 97.2 145.8
129 99.0 73.7 110.5
131 101.5 71.5 107.3

Manual Integrations
APPROVED

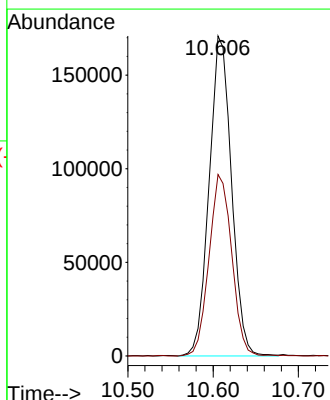
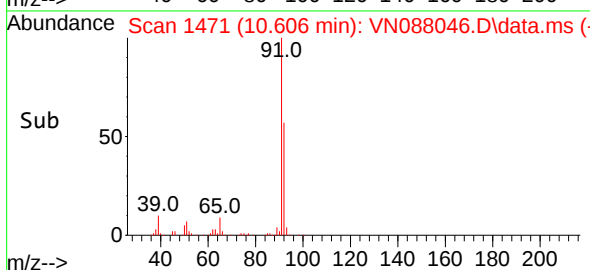
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

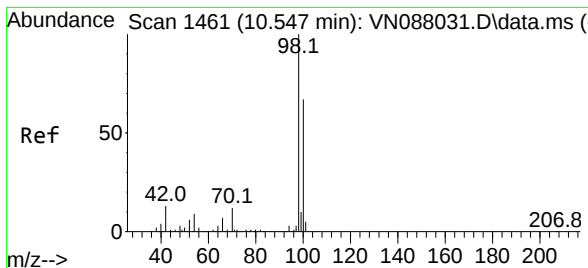


#62
Toluene
Concen: 17.162 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



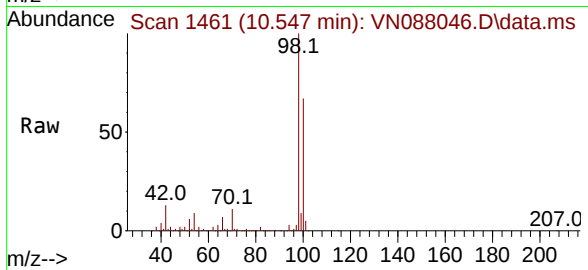
Tgt Ion: 91 Resp: 311043
Ion Ratio Lower Upper
91 100
92 57.6 45.8 68.8





#63
Toluene-d8
Concen: 30.358 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

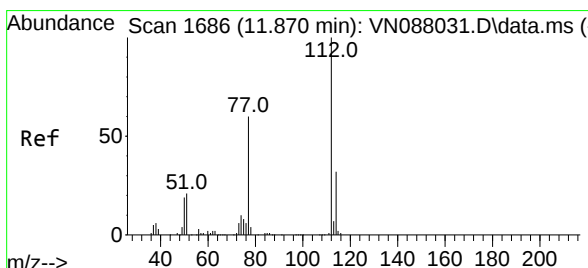
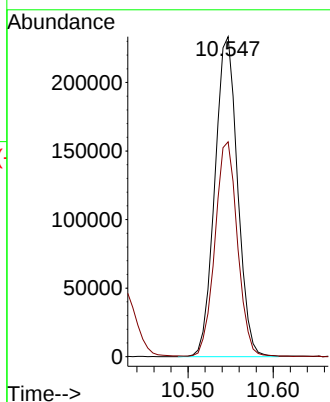
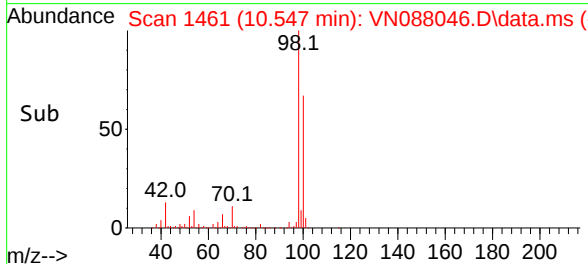
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



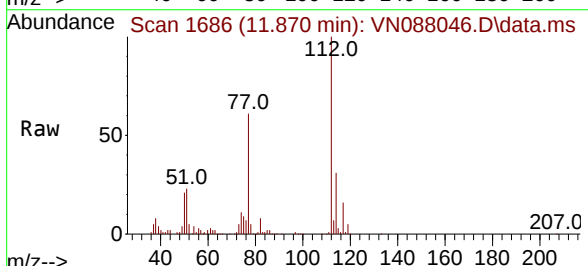
Tgt Ion: 98 Resp: 432175
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7

Manual Integrations
APPROVED

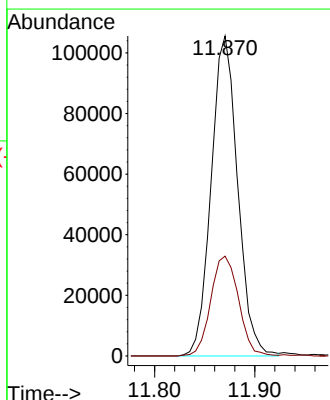
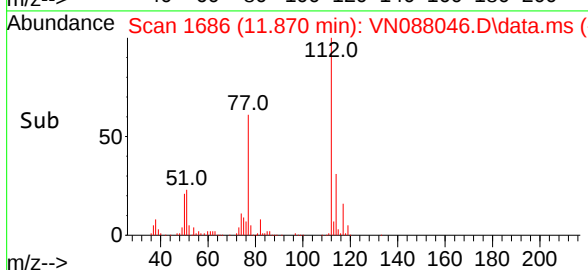
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

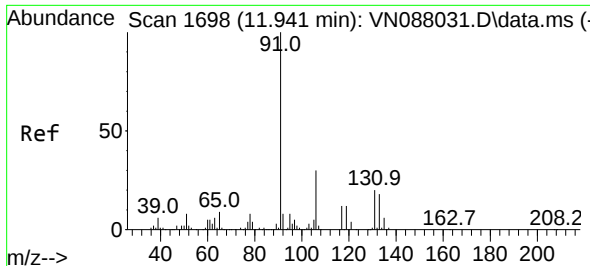


#64
Chlorobenzene
Concen: 16.759 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



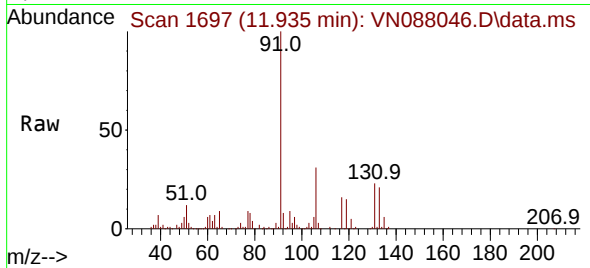
Tgt Ion:112 Resp: 194013
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5





#65
1,1,1,2-Tetrachloroethane
Concen: 17.081 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

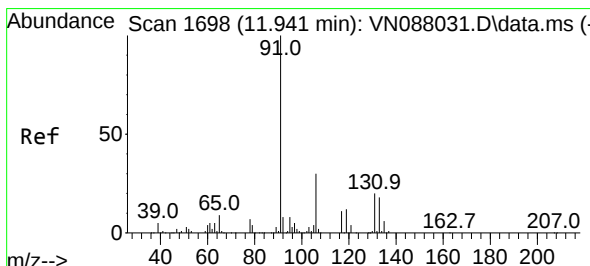
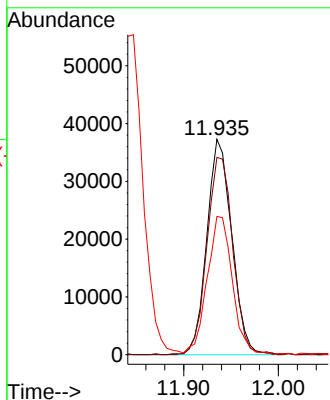
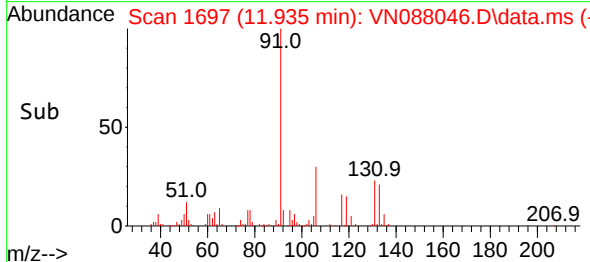
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:131 Resp: 6814
Ion Ratio Lower Upper
131 100
133 95.0 0.0 183.8
119 64.6 0.0 132.0

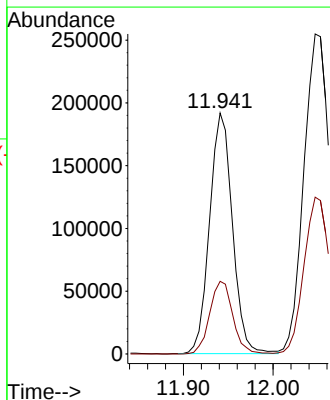
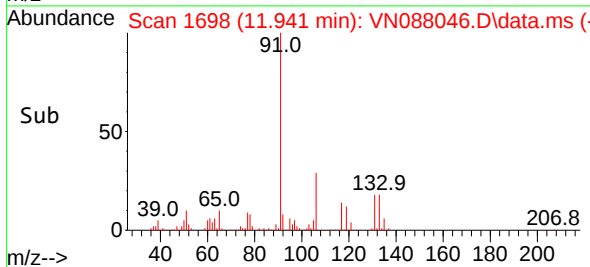
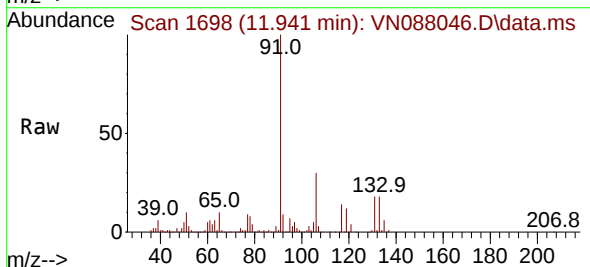
Manual Integrations
APPROVED

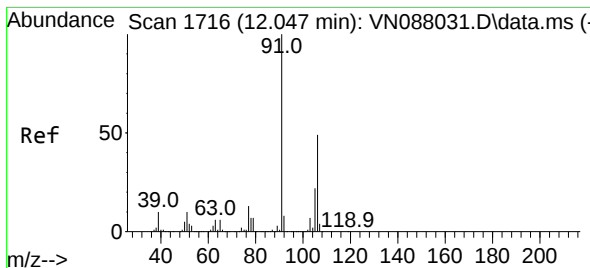
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Ethyl Benzene
Concen: 17.227 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

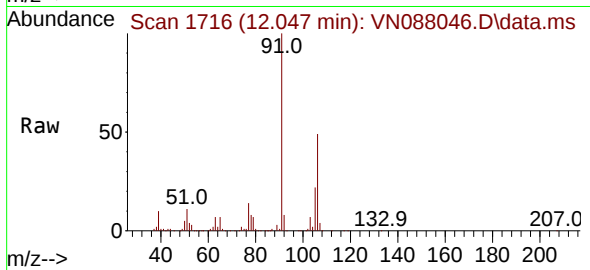
Tgt Ion: 91 Resp: 339517
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0





#67
m/p-Xylenes
Concen: 33.809 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

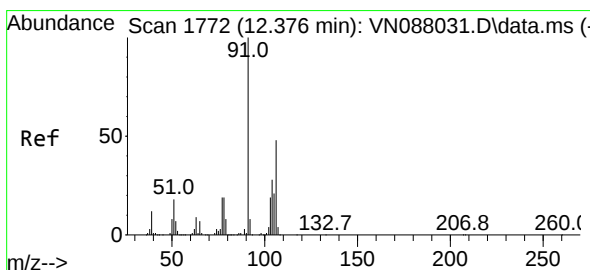
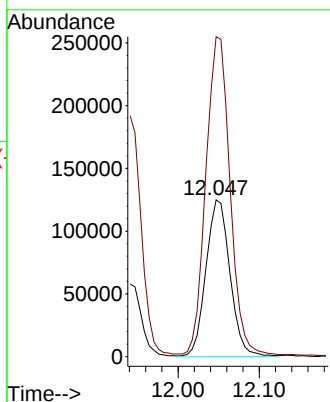
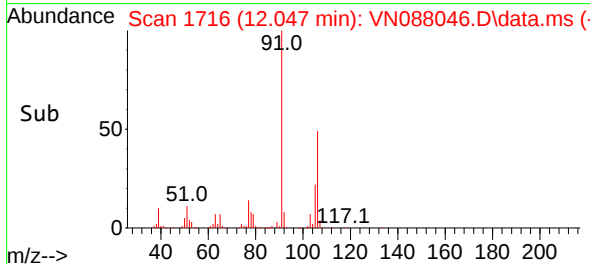
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



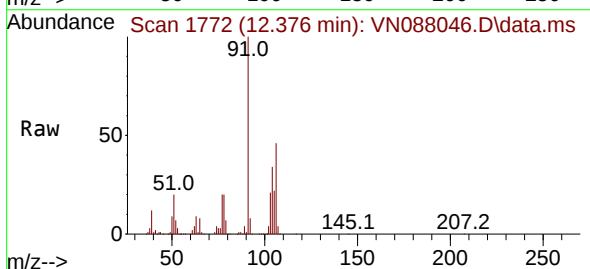
Tgt Ion:106 Resp: 256860
Ion Ratio Lower Upper
106 100
91 206.5 161.4 242.0

Manual Integrations
APPROVED

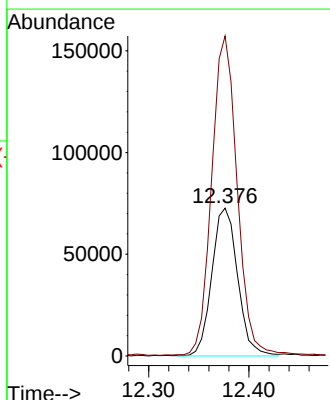
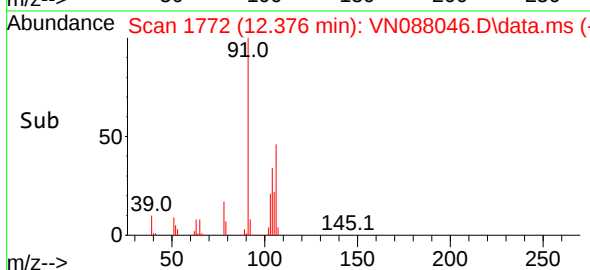
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

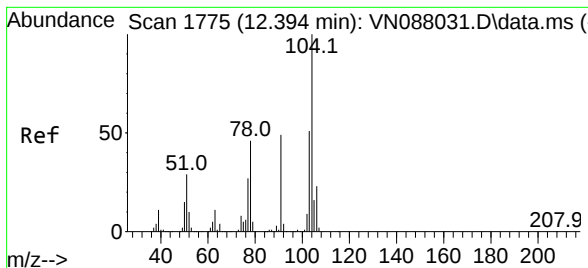


#68
o-Xylene
Concen: 17.193 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



Tgt Ion:106 Resp: 130038
Ion Ratio Lower Upper
106 100
91 214.2 105.2 315.6





#69

Styrene

Concen: 16.798 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

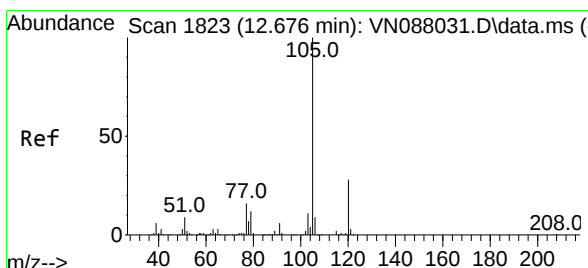
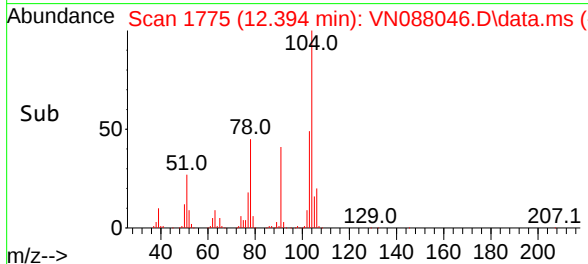
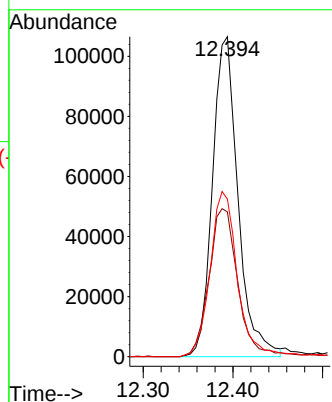
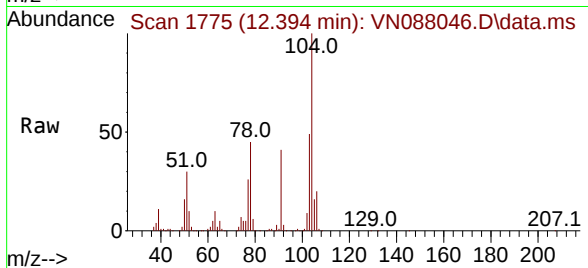
Tgt Ion:104	Resp:	210164
Ion Ratio	Lower	Upper
104	100	
78	52.4	41.8 62.6
103	55.4	44.9 67.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#70

Isopropylbenzene

Concen: 16.946 ug/l

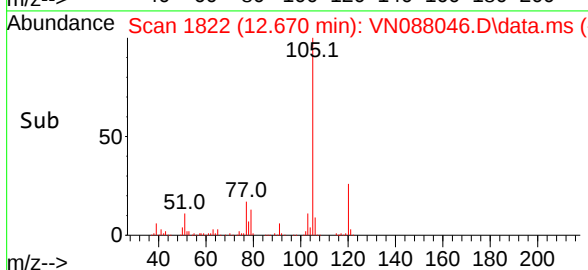
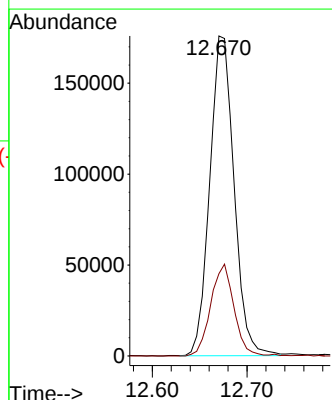
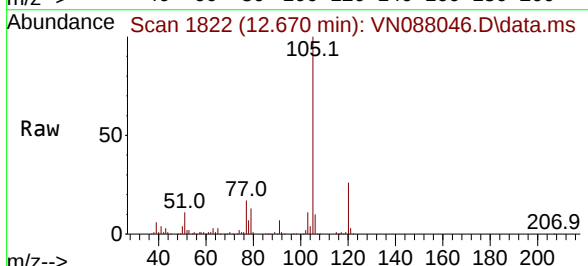
RT: 12.670 min Scan# 1822

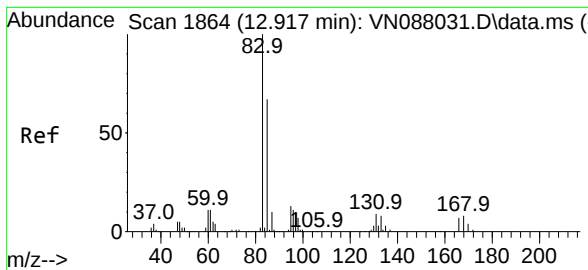
Delta R.T. -0.006 min

Lab File: VN088046.D

Acq: 08 Oct 2025 17:05

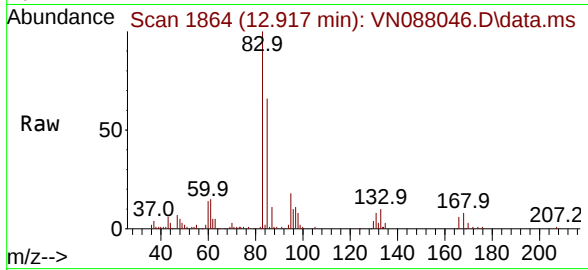
Tgt Ion:105	Resp:	314132
Ion Ratio	Lower	Upper
105	100	
120	27.3	19.1 35.5





#71
1,1,2,2-Tetrachloroethane
Concen: 17.074 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

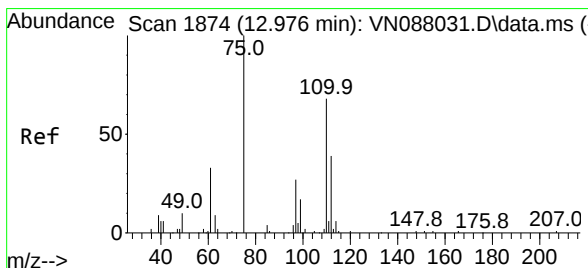
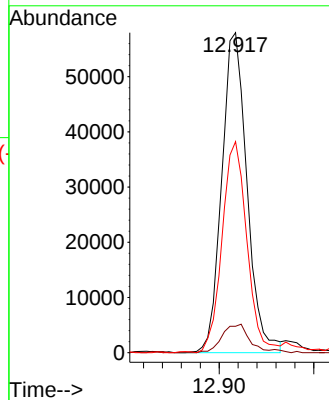
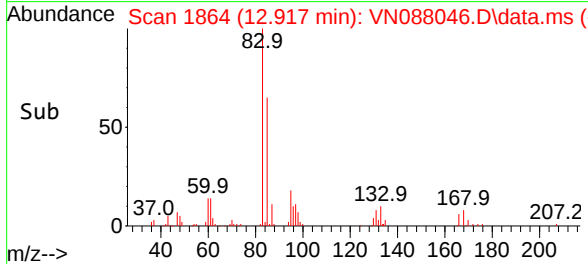
Instrument : MSVOA_N
ClientSampleId : VSTDCCC020EC



Tgt Ion: 83 Resp: 107300
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.3
85 64.9 32.4 97.2

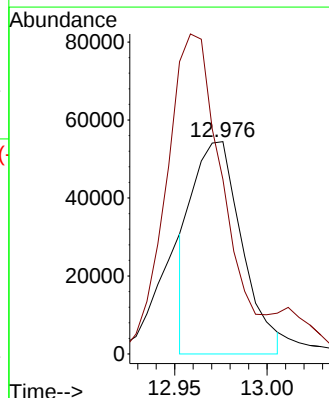
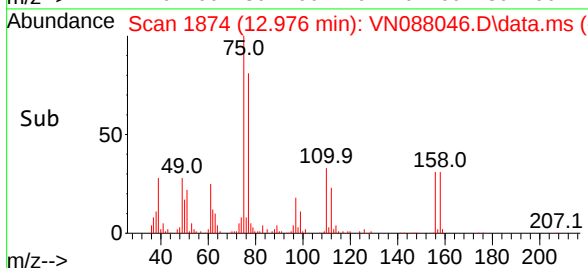
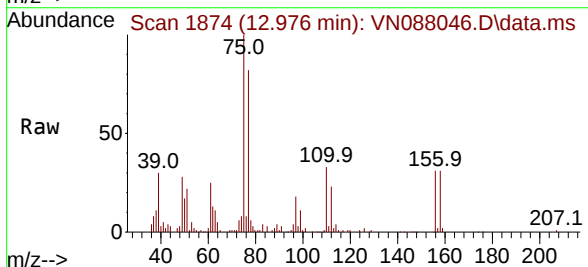
Manual Integrations
APPROVED

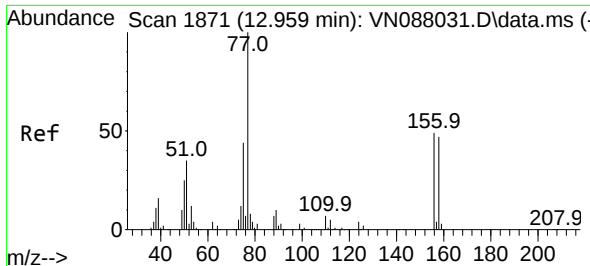
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
1,2,3-Trichloropropane
Concen: 17.489 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion: 75 Resp: 102078
Ion Ratio Lower Upper
75 100
77 171.5 0.0 364.0





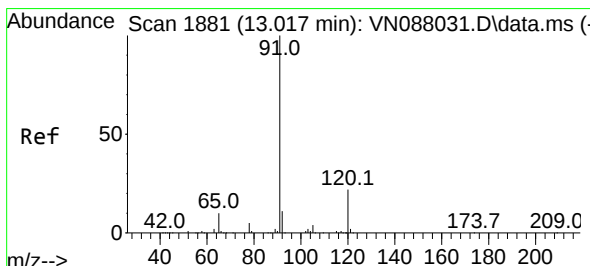
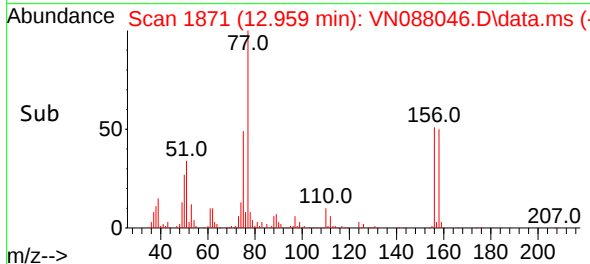
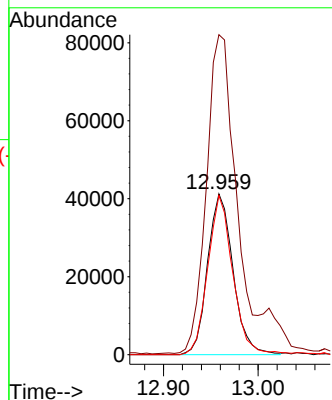
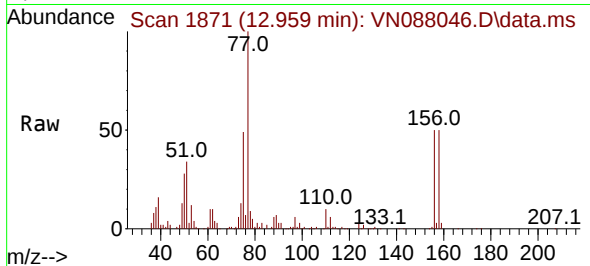
#73
Bromobenzene
Concen: 17.029 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:156 Resp: 7715
Ion Ratio Lower Upper
156 100
77 227.0 0.0 439.8
158 96.0 0.0 190.0

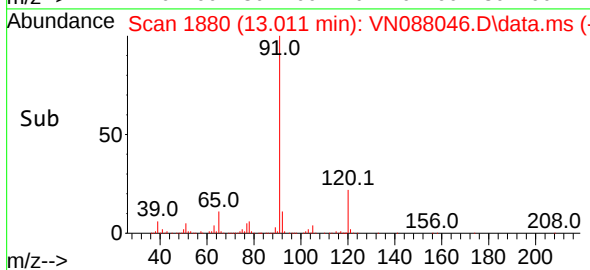
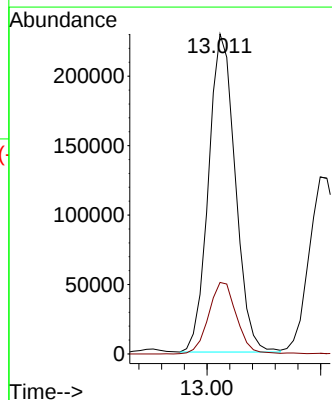
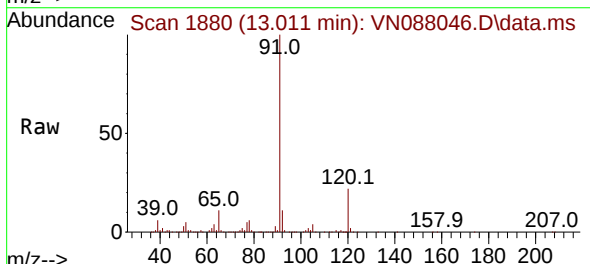
Manual Integrations
APPROVED

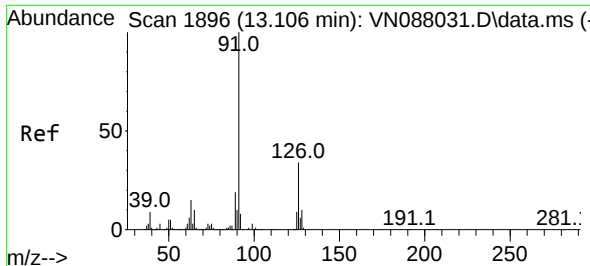
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#74
n-propylbenzene
Concen: 16.762 ug/l
RT: 13.011 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion: 91 Resp: 375093
Ion Ratio Lower Upper
91 100
120 23.4 0.0 46.2





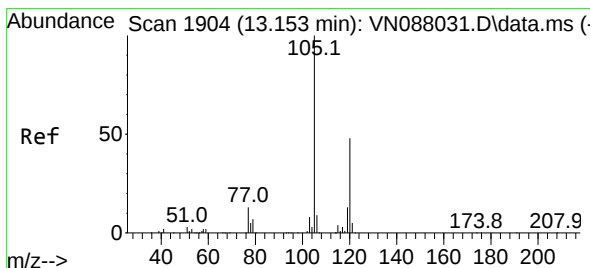
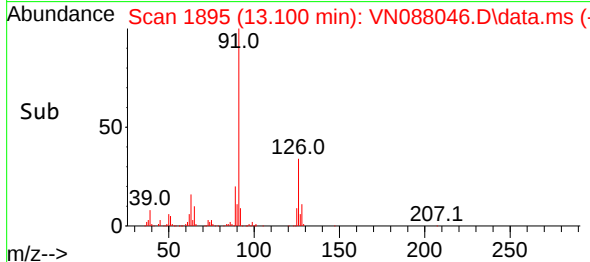
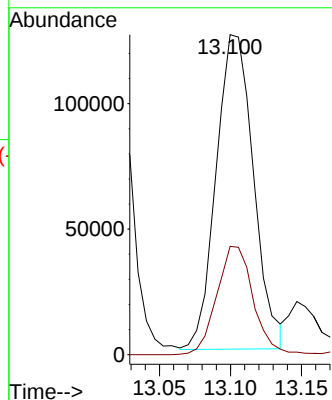
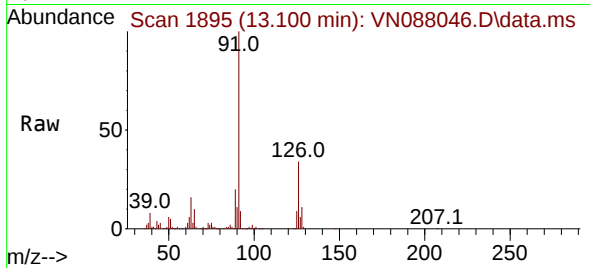
#75
2-Chlorotoluene
Concen: 16.798 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 91 Resp: 229835
Ion Ratio Lower Upper
91 100
126 33.7 0.0 66.6

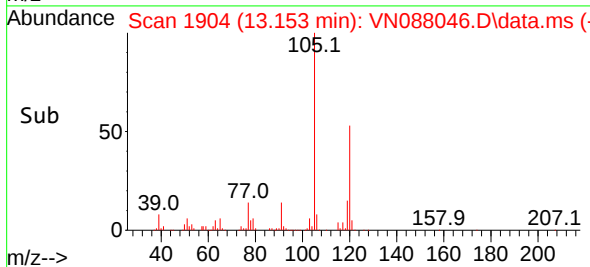
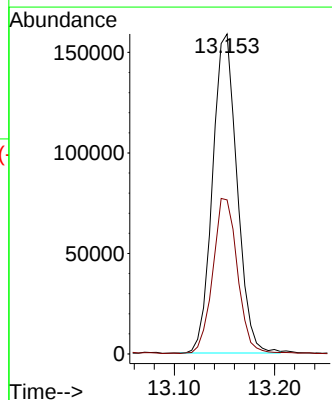
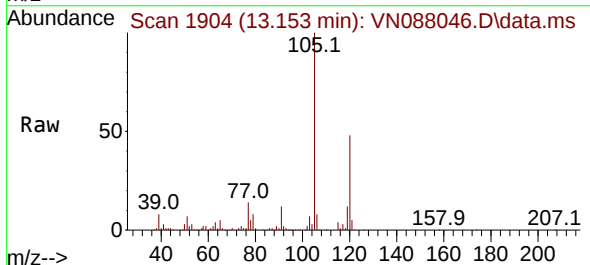
Manual Integrations
APPROVED

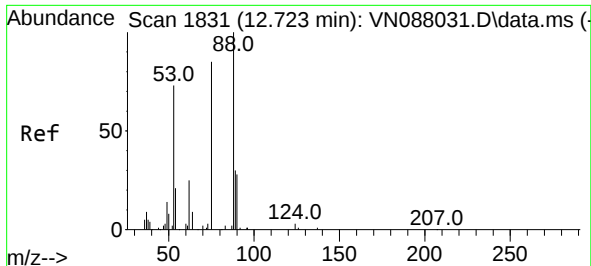
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76
1,3,5-Trimethylbenzene
Concen: 17.120 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

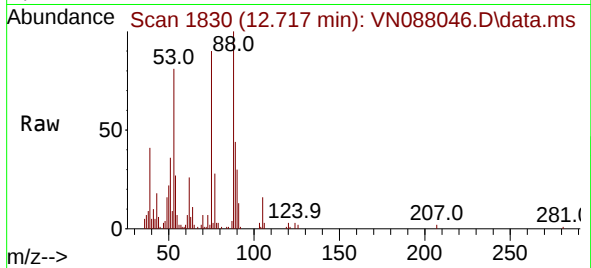
Tgt Ion:105 Resp: 269573
Ion Ratio Lower Upper
105 100
120 49.5 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 14.266 ug/l
RT: 12.717 min Scan# 1831
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

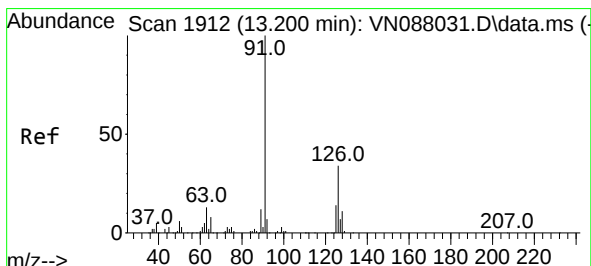
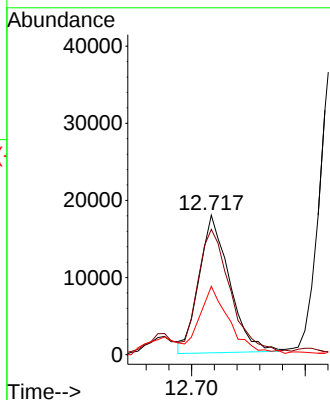
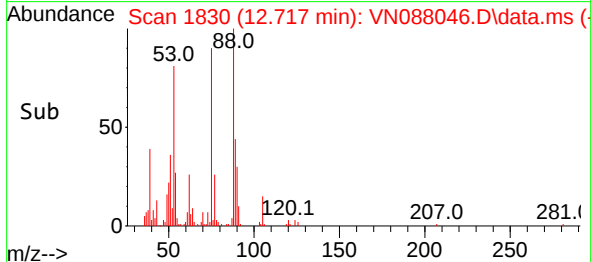
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 75 Resp: 3318
Ion Ratio Lower Upper
75 100
53 90.6 41.8 125.3
89 47.8 19.9 59.6

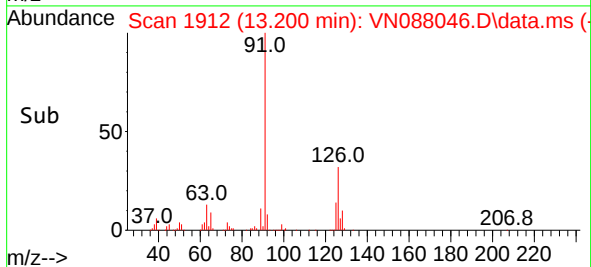
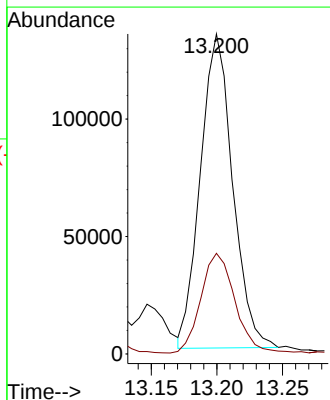
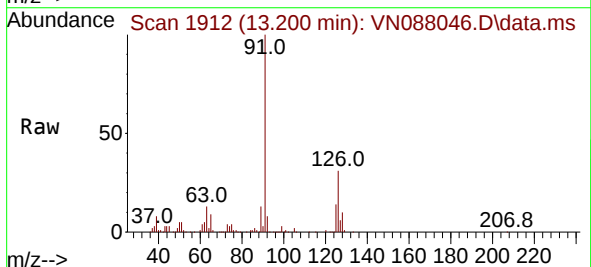
Manual Integrations
APPROVED

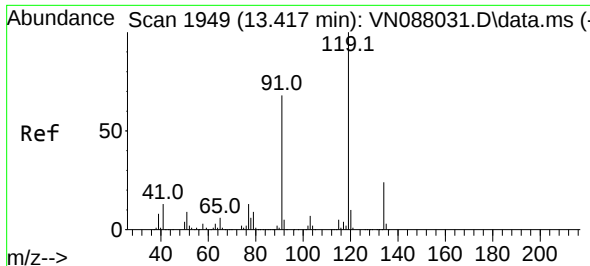
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#78
4-Chlorotoluene
Concen: 16.463 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion: 91 Resp: 228854
Ion Ratio Lower Upper
91 100
126 34.7 0.0 68.8





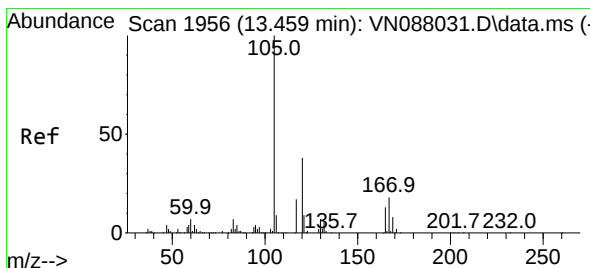
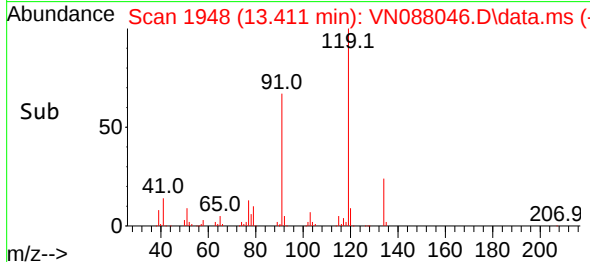
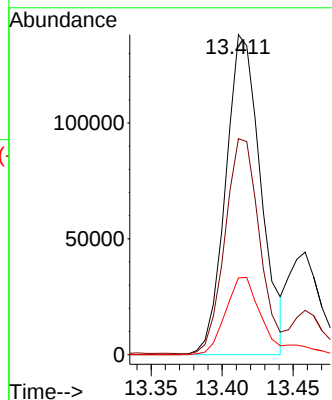
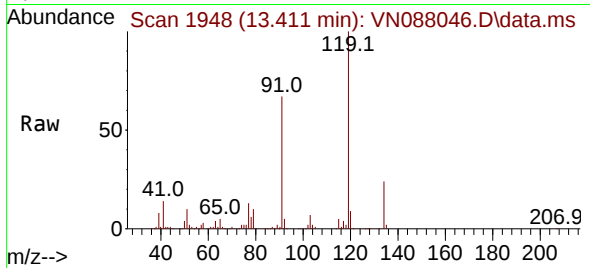
#79
tert-butylbenzene
Concen: 17.397 ug/l
RT: 13.411 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:119 Resp: 23747
Ion Ratio Lower Upper
119 100
91 65.9 0.0 132.4
134 23.6 0.0 48.6

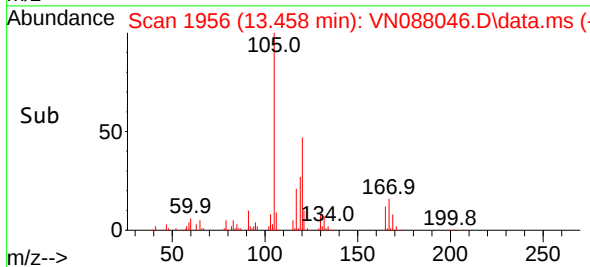
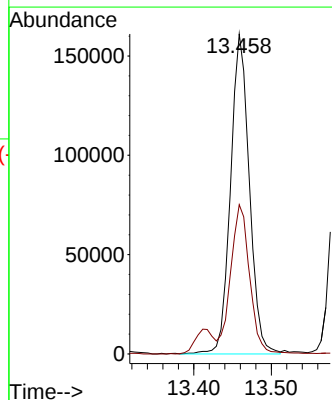
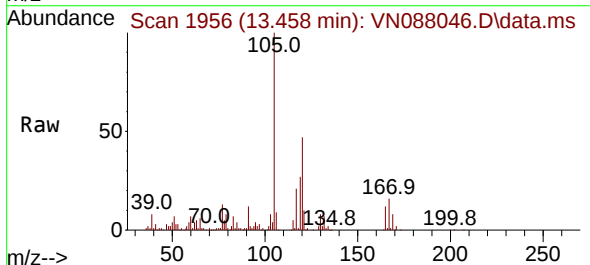
Manual Integrations
APPROVED

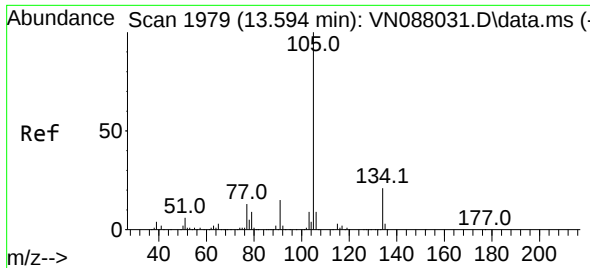
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.256 ug/l
RT: 13.458 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion:105 Resp: 272014
Ion Ratio Lower Upper
105 100
120 46.3 0.0 93.8





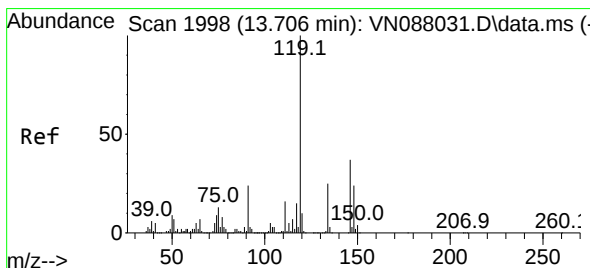
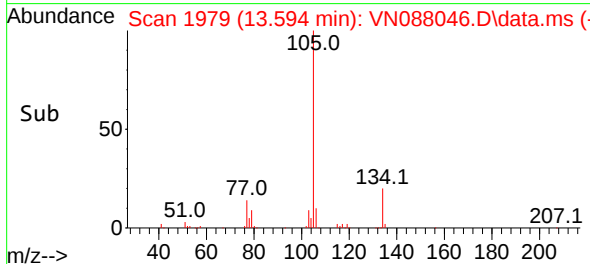
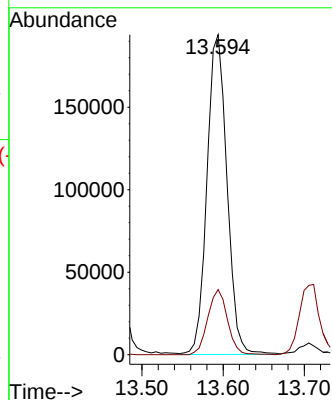
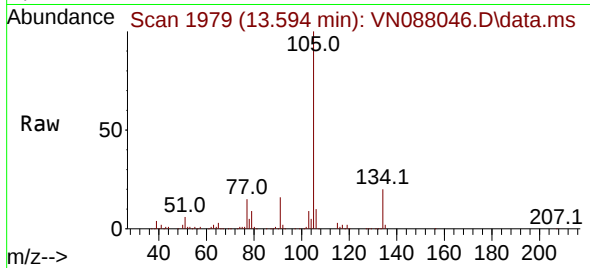
#81
 sec-Butylbenzene
 Concen: 17.260 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion:105 Resp: 331240
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 41.2

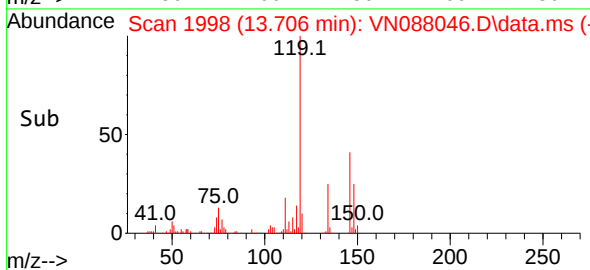
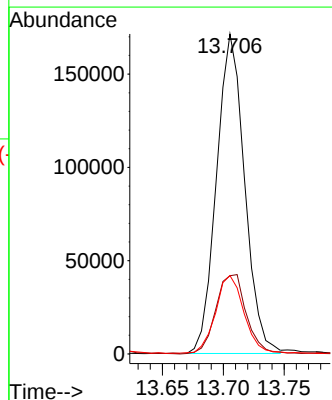
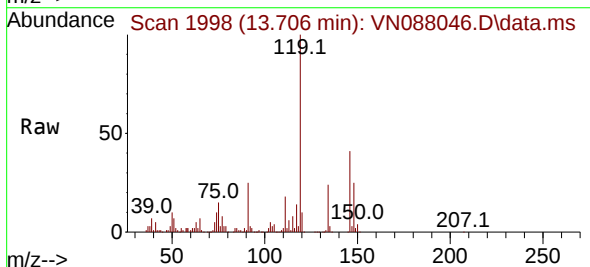
Manual Integrations
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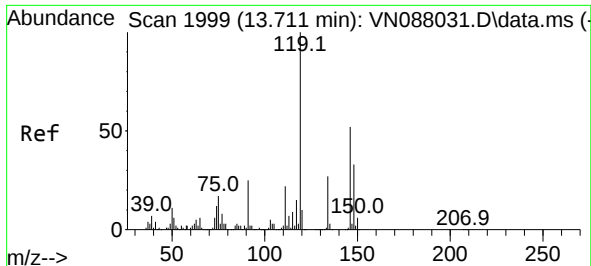
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#82
 p-Isopropyltoluene
 Concen: 16.768 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

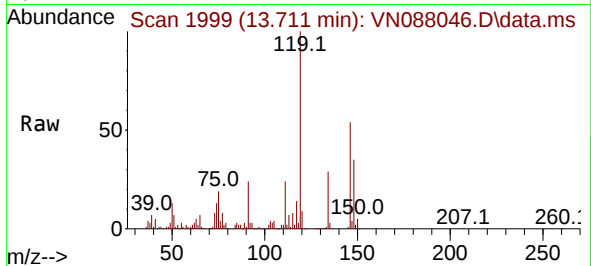
Tgt Ion:119 Resp: 274756
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.6
 91 24.0 0.0 48.2





#83
 1,3-Dichlorobenzene
 Concen: 16.698 ug/l
 RT: 13.711 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05

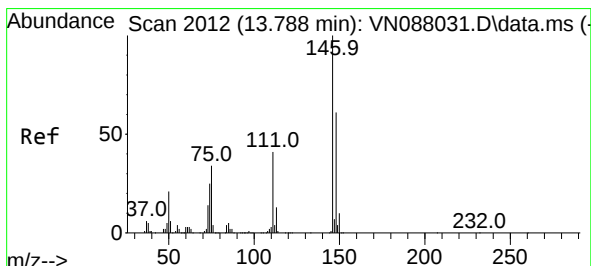
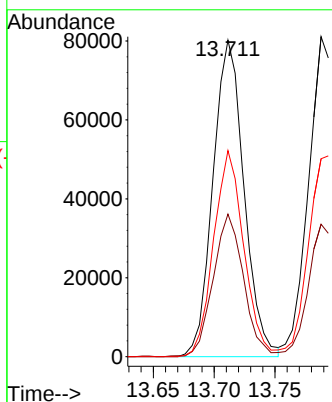
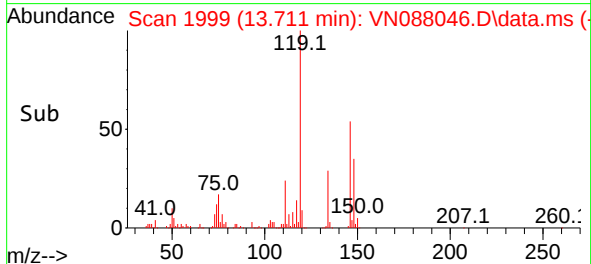
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC



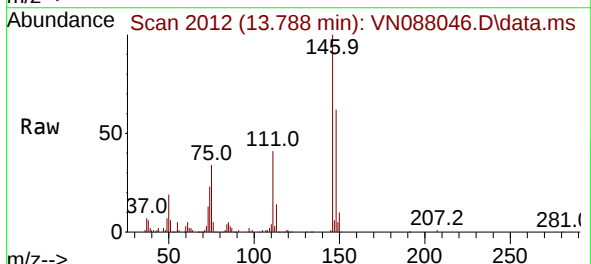
Tgt Ion:146 Resp: 142344
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.1 63.1
 148 63.0 31.5 94.5

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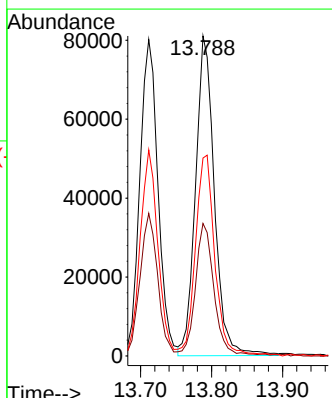
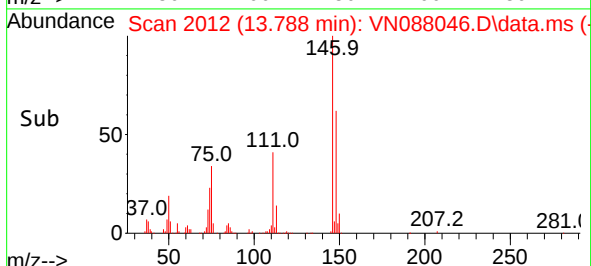
Reviewed By :John Carlone 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

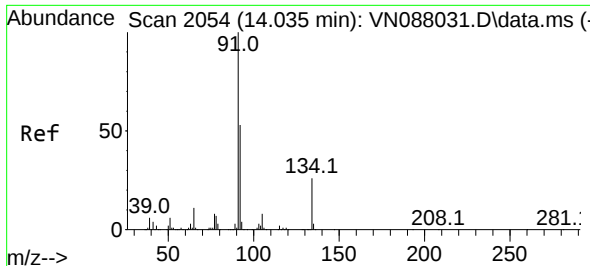


#84
 1,4-Dichlorobenzene
 Concen: 17.066 ug/l
 RT: 13.788 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: VN088046.D
 Acq: 08 Oct 2025 17:05



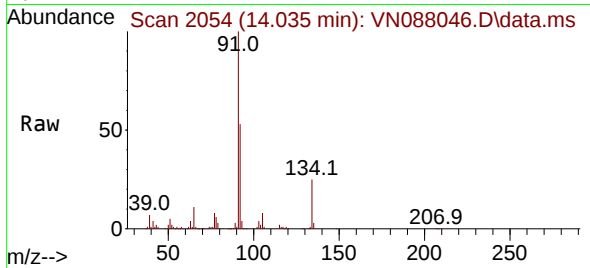
Tgt Ion:146 Resp: 150031
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.5 61.6
 148 64.8 31.9 95.9





#85
n-Butylbenzene
Concen: 16.828 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

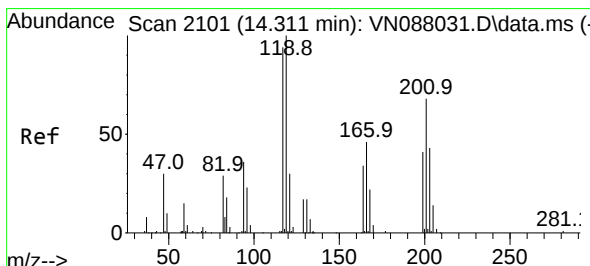
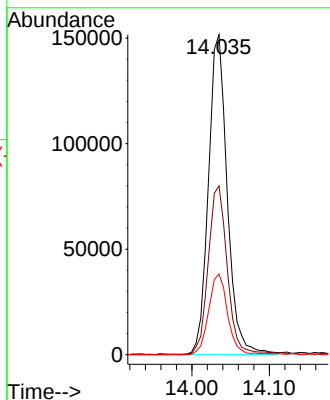
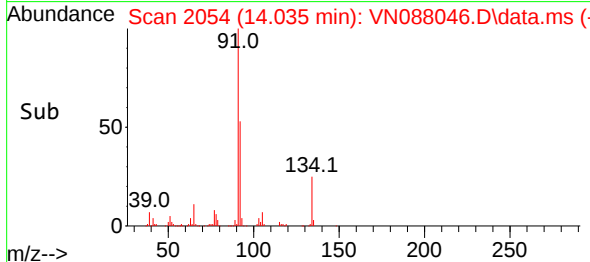
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion: 91 Resp: 256524
Ion Ratio Lower Upper
91 100
92 53.4 0.0 107.6
134 25.1 0.0 52.6

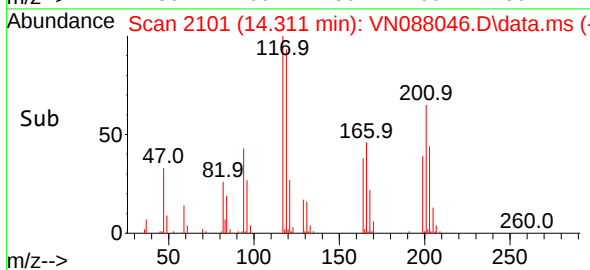
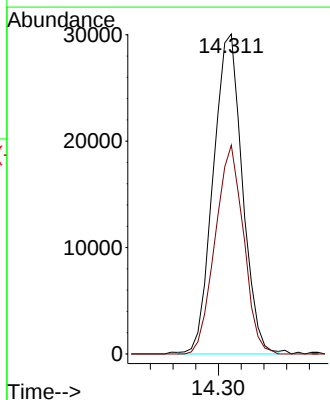
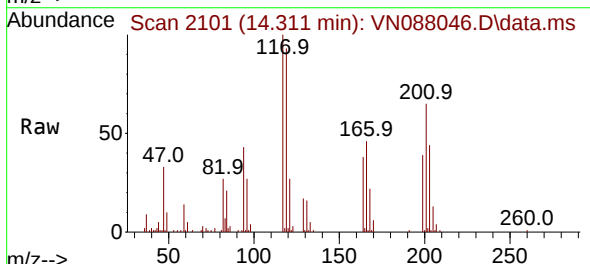
Manual Integrations
APPROVED

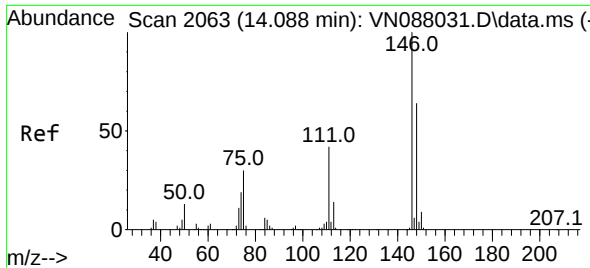
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#86
Hexachloroethane
Concen: 16.304 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion:117 Resp: 53517
Ion Ratio Lower Upper
117 100
201 63.5 34.8 104.3





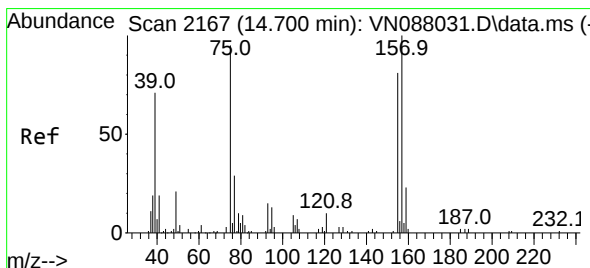
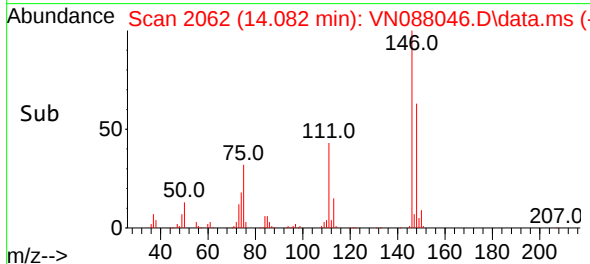
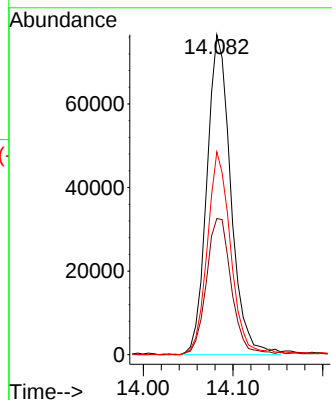
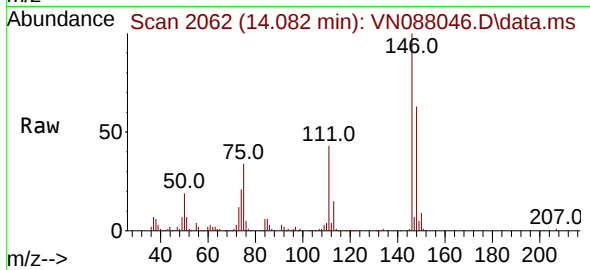
#87
1,2-Dichlorobenzene
Concen: 16.911 ug/l
RT: 14.082 min Scan# 2063
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion:146 Resp: 141790
Ion Ratio Lower Upper
146 100
111 44.5 22.3 66.8
148 61.3 31.4 94.3

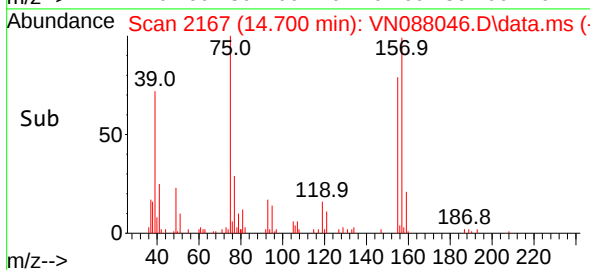
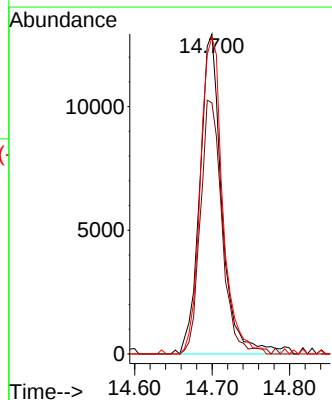
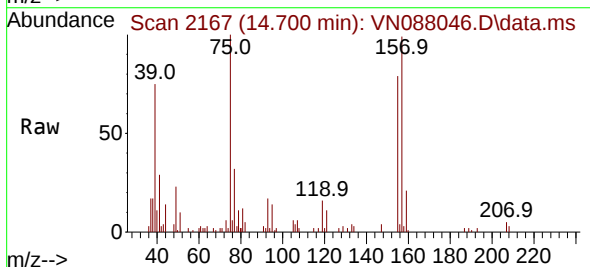
Manual Integrations
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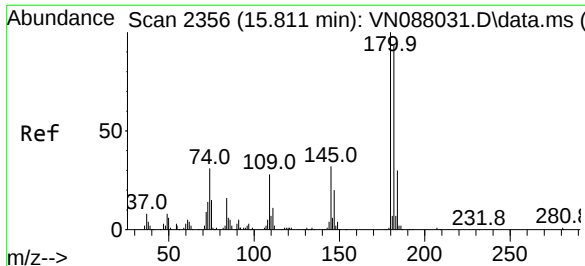
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.637 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

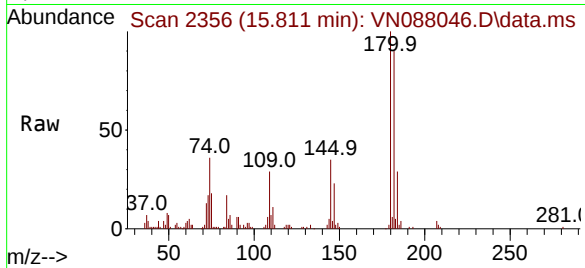
Tgt Ion: 75 Resp: 25457
Ion Ratio Lower Upper
75 100
155 77.2 63.5 95.3
157 99.9 81.7 122.5





#89
1,2,4-Trichlorobenzene
Concen: 16.342 ug/l
RT: 15.811 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

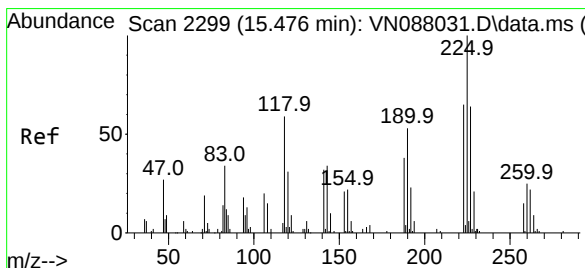
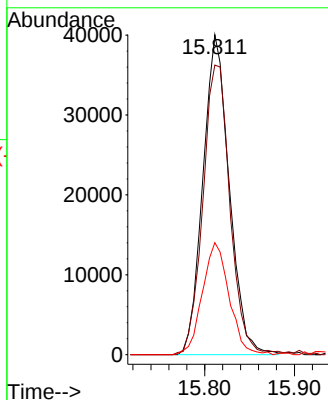
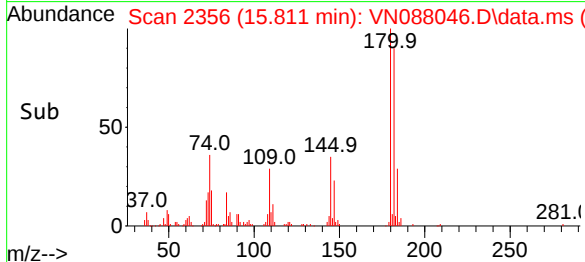
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



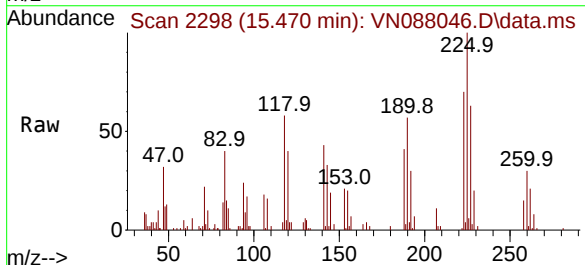
Tgt Ion:180 Resp: 81618
Ion Ratio Lower Upper
180 100
182 92.5 74.6 112.0
145 35.4 27.2 40.8

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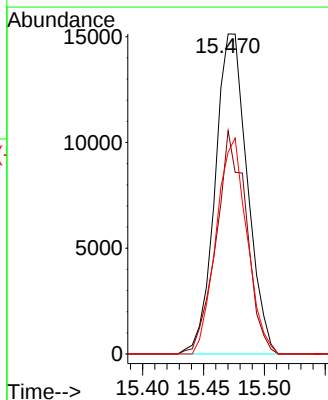
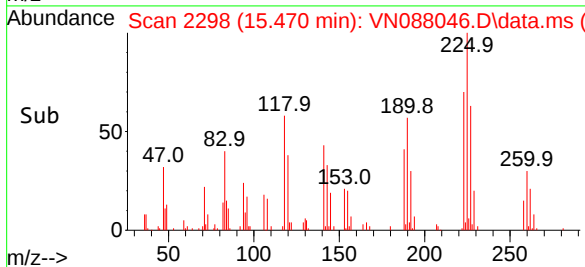
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

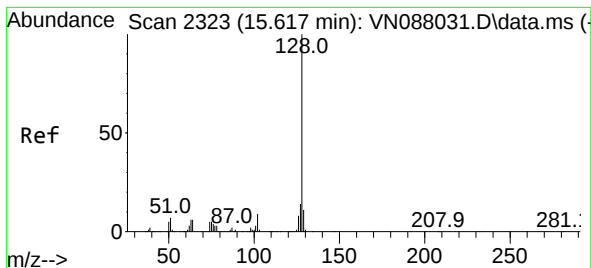


#90
Hexachlorobutadiene
Concen: 16.043 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05



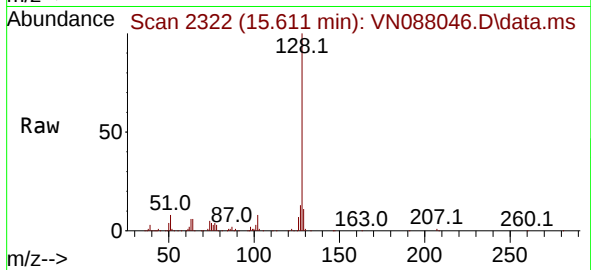
Tgt Ion:225 Resp: 27886
Ion Ratio Lower Upper
225 100
223 65.2 0.0 129.6
227 64.5 0.0 132.2





#91
Naphthalene
Concen: 16.810 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.006 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

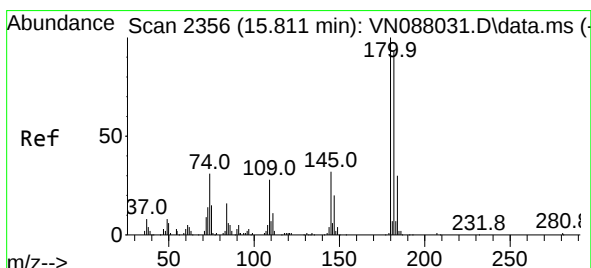
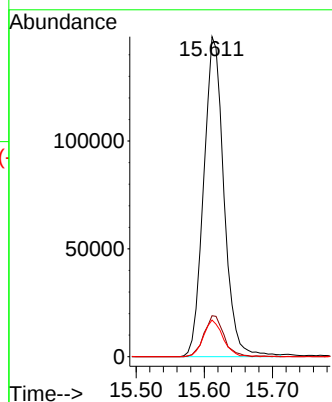
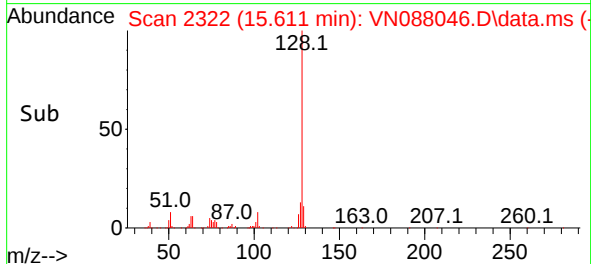
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC



Tgt Ion:128 Resp: 307360
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 11.0 8.6 13.0

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



#92
1,2,3-Trichlorobenzene
Concen: 16.342 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088046.D
Acq: 08 Oct 2025 17:05

Tgt Ion:180 Resp: 81618
Ion Ratio Lower Upper
180 100
182 92.5 0.0 186.6
145 35.4 0.0 68.0

