

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088413.D
 Acq On : 02 Dec 2025 16:44
 Operator : JC\MD
 Sample : Q3530-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Dec 03 03:59:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	227631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	438948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	186375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	236252	55.095	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.180%			
35) Dibromofluoromethane	8.147	113	156367	51.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.541	98	567027	50.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.829	95	183517	47.256	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	15242	4.458	ug/l	93
3) Chloromethane	2.389	50	19355	5.271	ug/l	99
4) Vinyl Chloride	2.536	62	17999	4.818	ug/l	99
5) Bromomethane	2.977	94	8862	4.929	ug/l	94
6) Chloroethane	3.136	64	12698	5.493	ug/l #	85
7) Trichlorofluoromethane	3.518	101	28124	5.356	ug/l	94
8) Diethyl Ether	3.953	74	11406	5.788	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	14913	5.335	ug/l	96
10) Methyl Iodide	4.577	142	10697	3.866	ug/l	98
11) Tert butyl alcohol	5.518	59	17630	25.751	ug/l #	77
12) 1,1-Dichloroethene	4.336	96	15141	5.452	ug/l	81
13) Acrolein	4.177	56	19051	29.066	ug/l	97
14) Allyl chloride	5.006	41	25988	5.049	ug/l	92
15) Acrylonitrile	5.706	53	52774	26.717	ug/l	97
16) Acetone	4.424	43	60044	38.718	ug/l	98
17) Carbon Disulfide	4.706	76	49769	5.484	ug/l	98
18) Methyl Acetate	5.018	43	24420	5.290	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	55907	5.373	ug/l	92
20) Methylene Chloride	5.259	84	19271	5.808	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	16611	5.399	ug/l	94
22) Diisopropyl ether	6.647	45	59098	5.378	ug/l #	90
23) Vinyl Acetate	6.588	43	225431m	25.461	ug/l	
24) 1,1-Dichloroethane	6.541	63	35579	5.717	ug/l	98
25) 2-Butanone	7.471	43	74481	29.875	ug/l	97
26) 2,2-Dichloropropane	7.471	77	29563	5.503	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	19601	5.482	ug/l	98
28) Bromochloromethane	7.794	49	17891	5.771	ug/l	91
29) Tetrahydrofuran	7.835	42	44033	24.624	ug/l	98
30) Chloroform	7.947	83	34255	5.602	ug/l	96
31) Cyclohexane	8.235	56	32957	5.844	ug/l #	93
32) 1,1,1-Trichloroethane	8.153	97	29305	5.450	ug/l #	84
36) 1,1-Dichloropropene	8.353	75	20930	4.458	ug/l	97
37) Ethyl Acetate	7.553	43	29880	4.841	ug/l	99
38) Carbon Tetrachloride	8.341	117	24165	5.171	ug/l #	93
39) Methylcyclohexane	9.582	83	20906	4.163	ug/l	96
40) Benzene	8.588	78	73072	5.303	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.753	41	15758	5.154	ug/l	97
42) 1,2-Dichloroethane	8.653	62	28988	5.514	ug/l	98
43) Isopropyl Acetate	8.671	43	46472	4.927	ug/l	97
44) Trichloroethene	9.335	130	16726	5.137	ug/l	94
45) 1,2-Dichloropropane	9.600	63	19303	5.468	ug/l	93
46) Dibromomethane	9.682	93	13842	5.494	ug/l	99
47) Bromodichloromethane	9.865	83	28376	5.520	ug/l	97
48) Methyl methacrylate	9.671	41	20800	4.834	ug/l	97
49) 1,4-Dioxane	9.682	88	4429m	80.931	ug/l	
51) 4-Methyl-2-Pentanone	10.423	43	140008	25.185	ug/l	99
52) Toluene	10.606	92	41168	5.174	ug/l	95
53) t-1,3-Dichloropropene	10.812	75	26064	4.940	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	27523	4.960	ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	17420	5.659	ug/l	93
56) Ethyl methacrylate	10.853	69	22301	4.586	ug/l	94
57) 1,3-Dichloropropane	11.141	76	29300	5.276	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	73090	26.073	ug/l	97
59) 2-Hexanone	11.182	43	97698m	27.898	ug/l	
60) Dibromochloromethane	11.335	129	19139	5.454	ug/l	98
61) 1,2-Dibromoethane	11.447	107	16918	5.427	ug/l	98
64) Tetrachloroethene	11.076	164	14418	4.584	ug/l	91
65) Chlorobenzene	11.870	112	47260	5.303	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.935	131	15559	5.176	ug/l	93
67) Ethyl Benzene	11.941	91	71148	4.567	ug/l	100
68) m/p-Xylenes	12.047	106	52014	9.006	ug/l	100
69) o-Xylene	12.376	106	24141	4.384	ug/l	96
70) Styrene	12.388	104	38824	4.343	ug/l	96
71) Bromoform	12.559	173	11600	5.269	ug/l #	97
73) Isopropylbenzene	12.670	105	59392	4.310	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.917	83	23780	5.338	ug/l	93
76) 1,2,3-Trichloropropane	12.976	75	21203m	4.857	ug/l	
77) Bromobenzene	12.959	156	17041	5.405	ug/l	92
78) n-propylbenzene	13.012	91	76945	4.564	ug/l	99
79) 2-Chlorotoluene	13.100	91	45595	4.429	ug/l	95
80) 1,3,5-Trimethylbenzene	13.147	105	52364	4.586	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.723	75	6470m	4.205	ug/l	
82) 4-Chlorotoluene	13.206	91	50553	4.944	ug/l	99
83) tert-Butylbenzene	13.412	119	42891	4.419	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	51873	4.570	ug/l	100
85) sec-Butylbenzene	13.594	105	63022	4.519	ug/l	100
86) p-Isopropyltoluene	13.706	119	48602	4.250	ug/l	98
87) 1,3-Dichlorobenzene	13.711	146	28481	4.640	ug/l	95
88) 1,4-Dichlorobenzene	13.788	146	32410	5.041	ug/l	93
89) n-Butylbenzene	14.035	91	48768	4.392	ug/l	98
90) Hexachloroethane	14.311	117	11175	5.350	ug/l	97
91) 1,2-Dichlorobenzene	14.088	146	28434	4.923	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	5404	5.000	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	15040	4.382	ug/l	97
94) Hexachlorobutadiene	15.470	225	5733	4.649	ug/l	96
95) Naphthalene	15.617	128	47394	3.985	ug/l	99
96) 1,2,3-Trichlorobenzene	15.817	180	15363	4.600	ug/l	98

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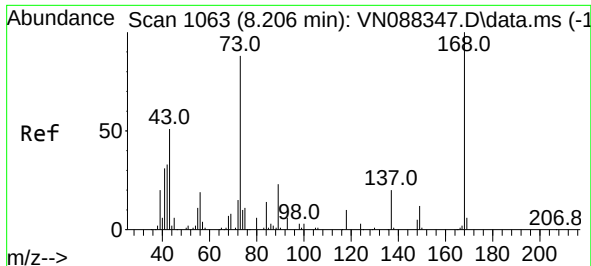
Manual Integrations
APPROVED

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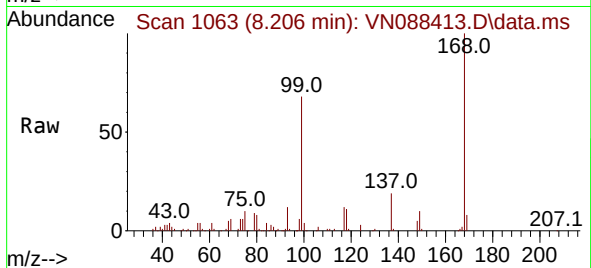
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

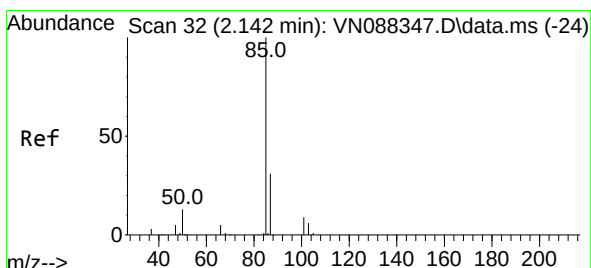
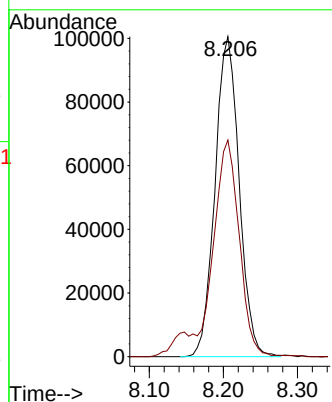
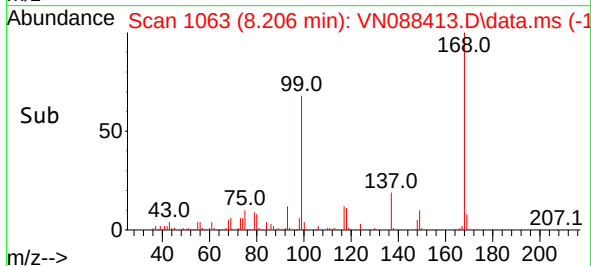
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:168 Resp: 22763
Ion Ratio Lower Upper
168 100
99 67.2 57.1 85.7

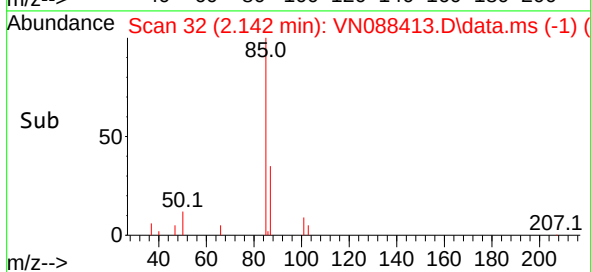
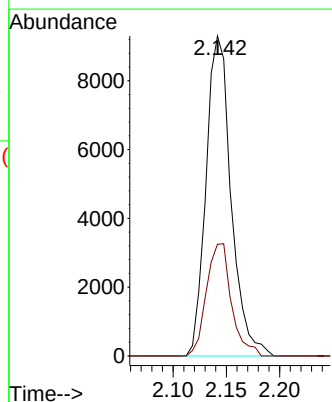
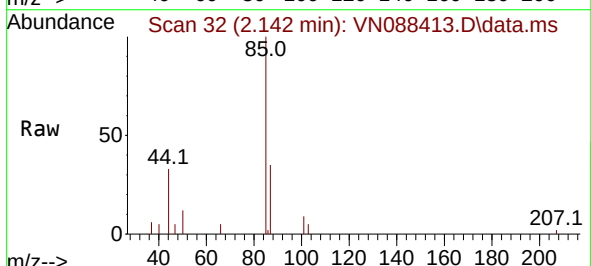
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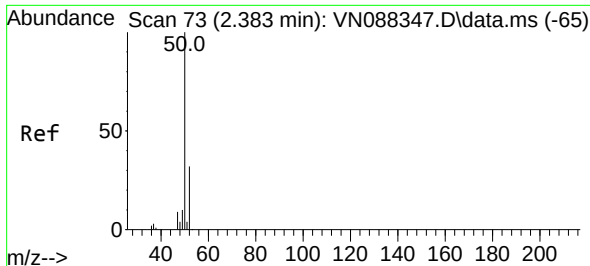
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#2
Dichlorodifluoromethane
Concen: 4.458 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

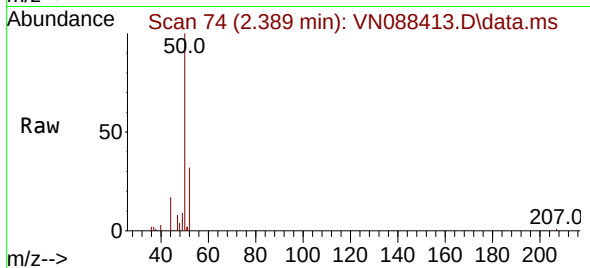
Tgt Ion: 85 Resp: 15242
Ion Ratio Lower Upper
85 100
87 34.9 15.6 46.7





#3
Chloromethane
Concen: 5.271 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

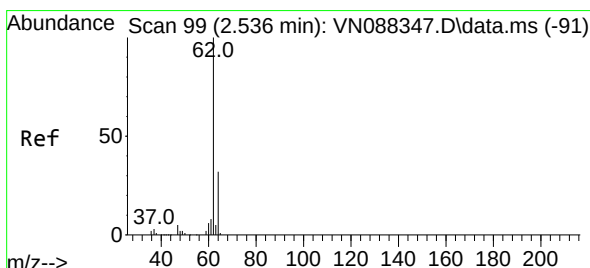
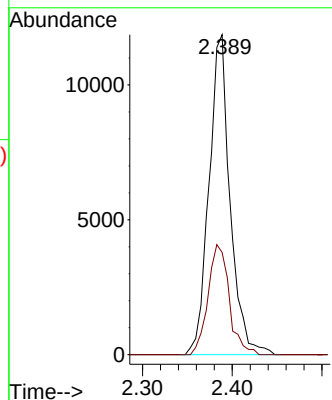
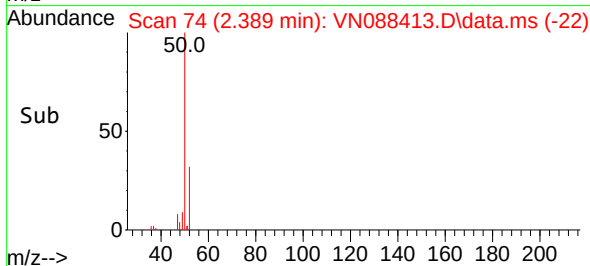
Instrument :
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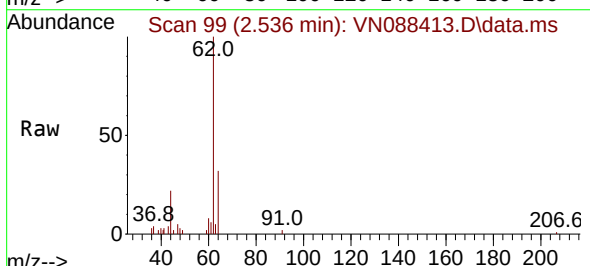
Tgt Ion: 50 Resp: 1935
Ion Ratio Lower Upper
50 100
52 31.9 25.2 37.8

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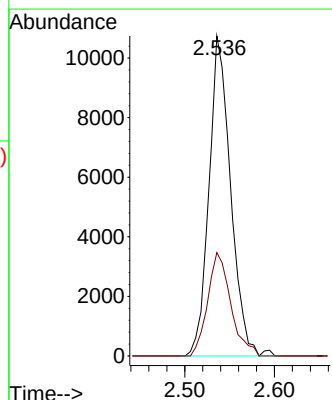
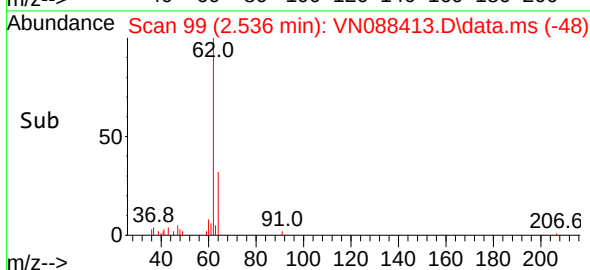
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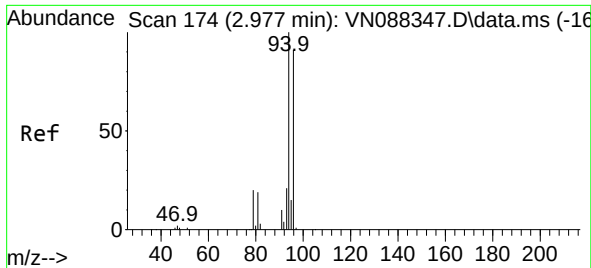


#4
Vinyl Chloride
Concen: 4.818 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44



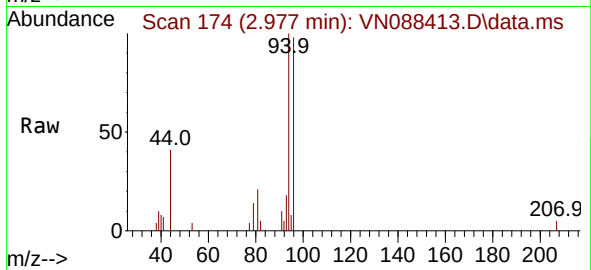
Tgt Ion: 62 Resp: 17999
Ion Ratio Lower Upper
62 100
64 32.3 25.4 38.2





#5
Bromomethane
Concen: 4.929 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

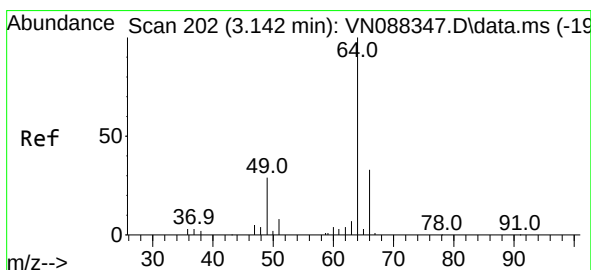
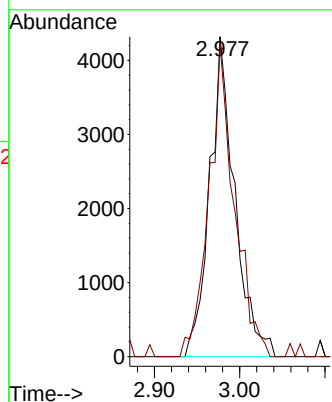
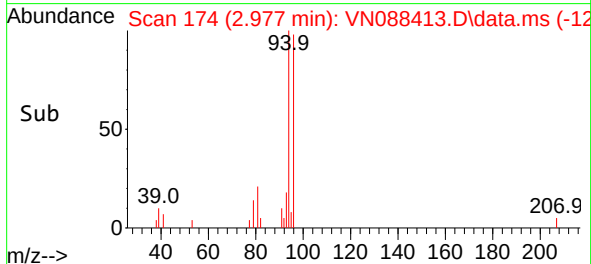
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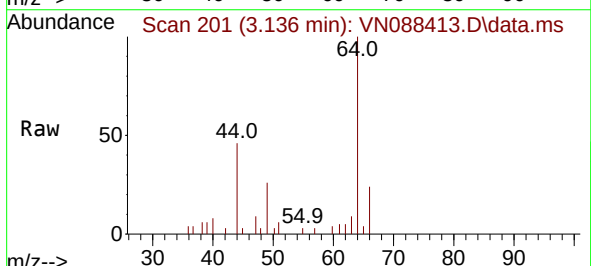
Tgt Ion: 94 Resp: 8862
Ion Ratio Lower Upper
94 100
96 97.7 73.2 109.8

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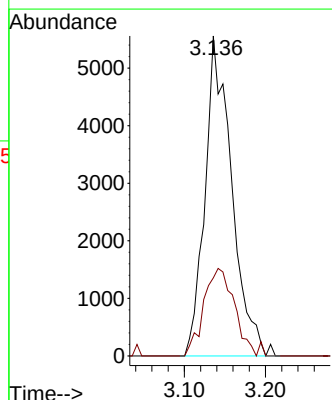
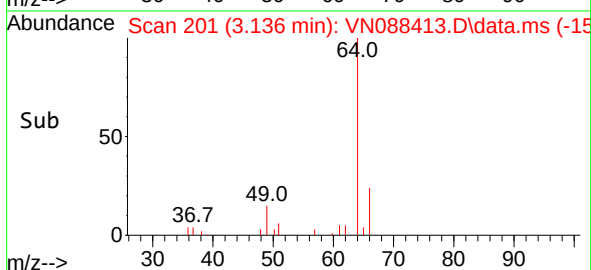
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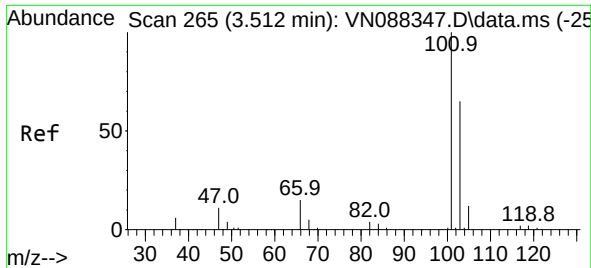


#6
Chloroethane
Concen: 5.493 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088413.D
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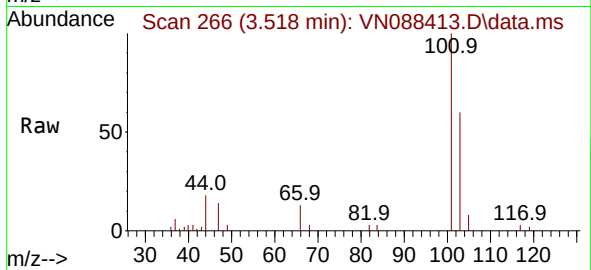
Tgt Ion: 64 Resp: 12698
Ion Ratio Lower Upper
64 100
66 24.4 26.4 39.6#





#7
 Trichlorofluoromethane
 Concen: 5.356 ug/l
 RT: 3.518 min Scan# 20
 Delta R.T. 0.006 min
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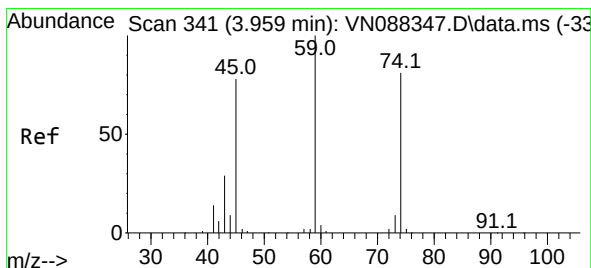
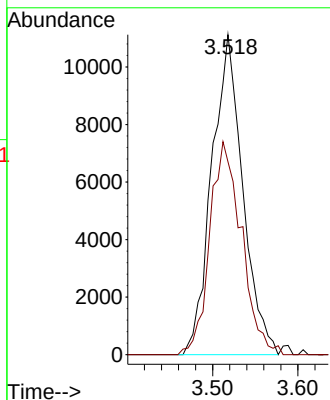
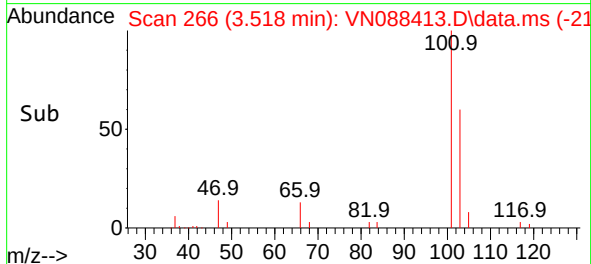
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion:101 Resp: 28124
 Ion Ratio Lower Upper
 101 100
 103 60.3 52.3 78.5

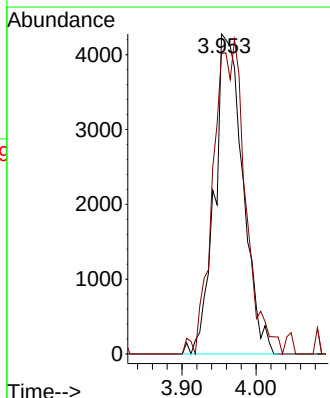
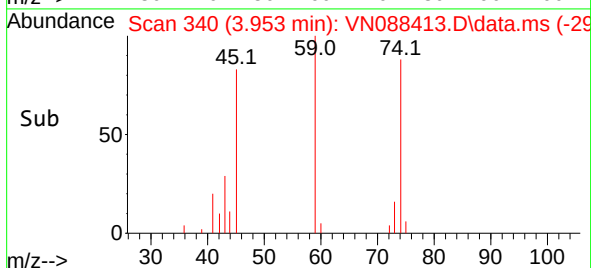
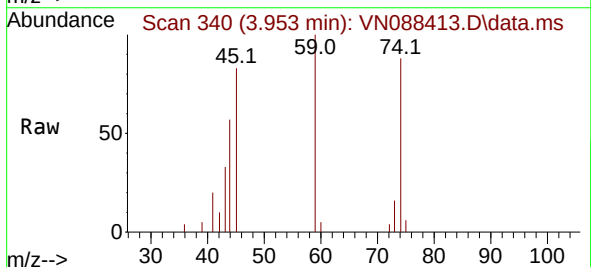
Manual Integrations
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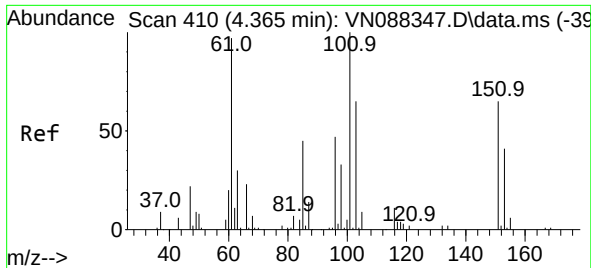
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#8
 Diethyl Ether
 Concen: 5.788 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. -0.006 min
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Tgt Ion: 74 Resp: 11406
 Ion Ratio Lower Upper
 74 100
 45 110.9 54.2 162.6





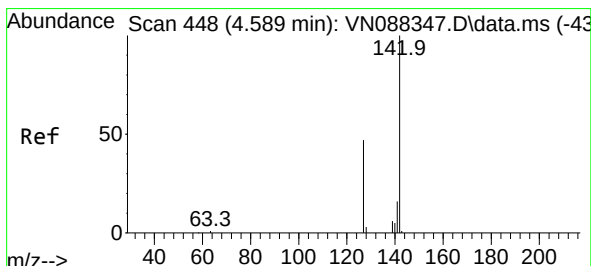
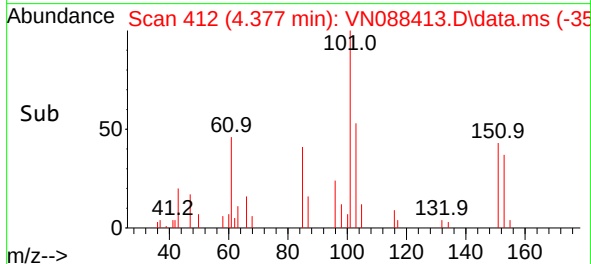
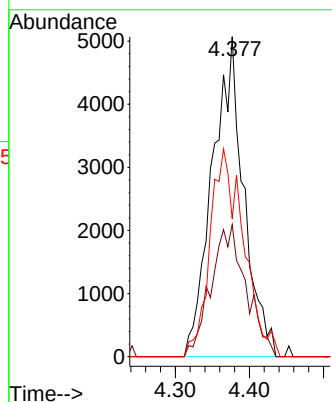
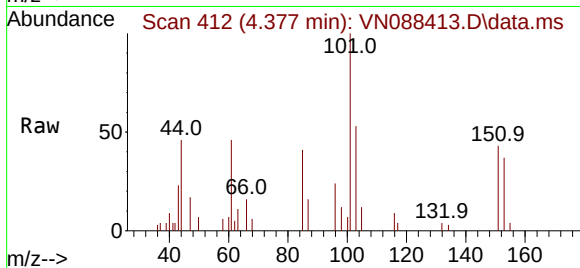
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.335 ug/l
RT: 4.377 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:101 Resp: 1491
Ion Ratio Lower Upper
101 100
85 46.0 39.2 58.8
151 69.7 53.6 80.4

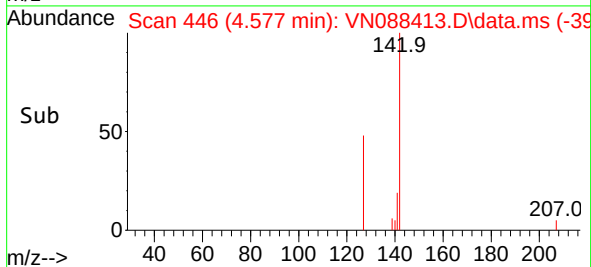
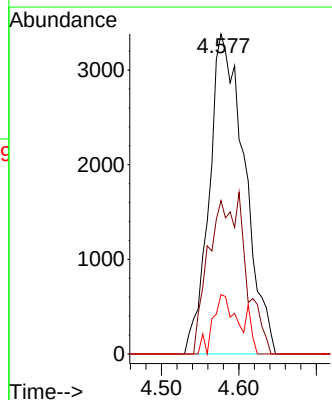
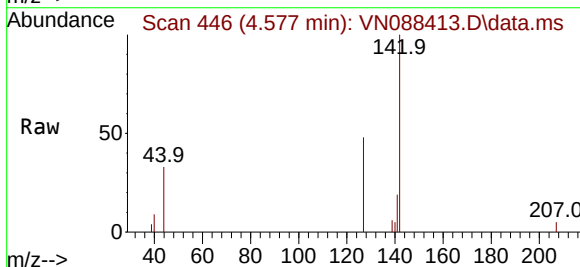
Manual Integrations
APPROVED

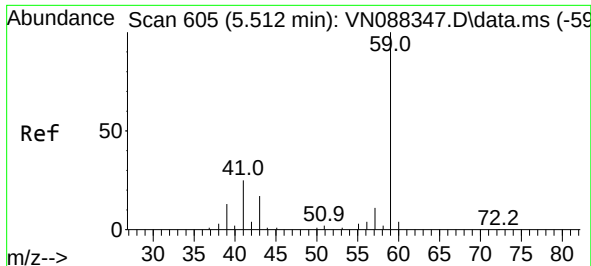
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#10
Methyl Iodide
Concen: 3.866 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.012 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

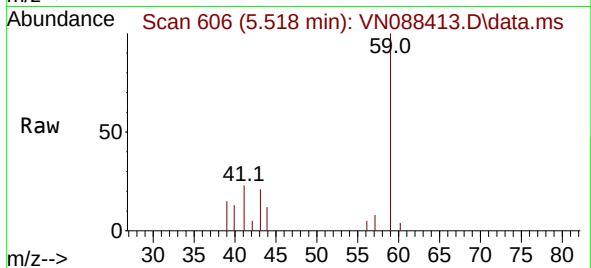
Tgt Ion:142 Resp: 10697
Ion Ratio Lower Upper
142 100
127 47.9 37.9 56.9
141 18.6 12.4 18.6





#11
Tert butyl alcohol
Concen: 25.751 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

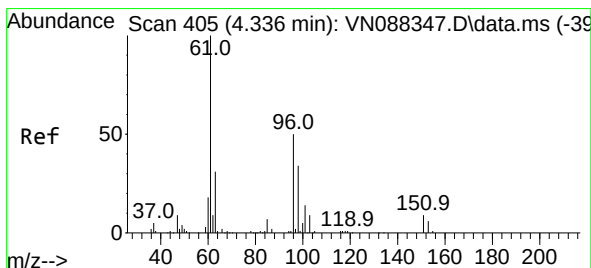
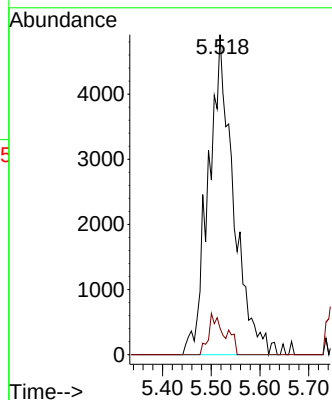
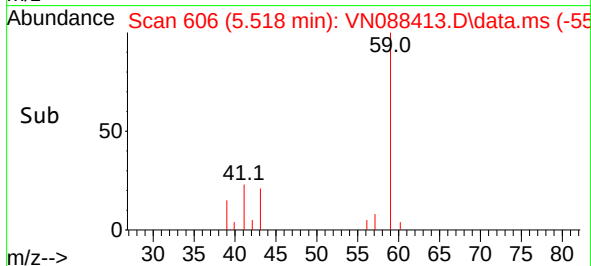
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 59 Resp: 17630
Ion Ratio Lower Upper
59 100
57 2.0 8.5 12.7

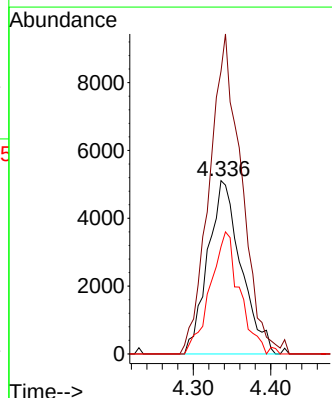
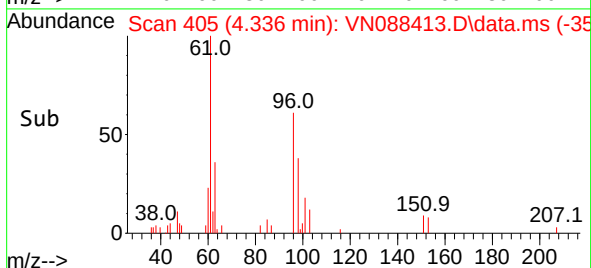
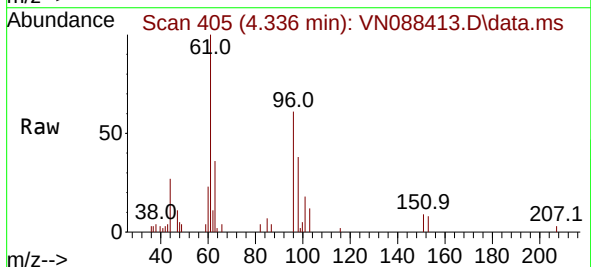
Manual Integrations
APPROVED

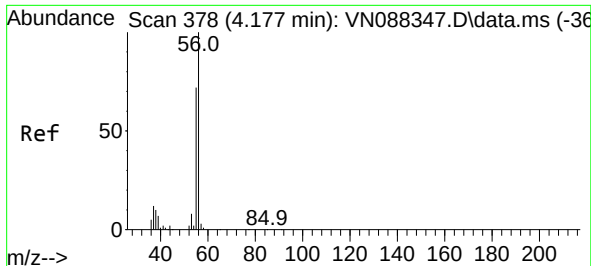
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#12
1,1-Dichloroethene
Concen: 5.452 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion: 96 Resp: 15141
Ion Ratio Lower Upper
96 100
61 163.1 159.1 238.7
98 61.8 53.7 80.5





#13

Acrolein

Concen: 29.066 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 56 Resp: 1905

Ion Ratio Lower Upper

56 100

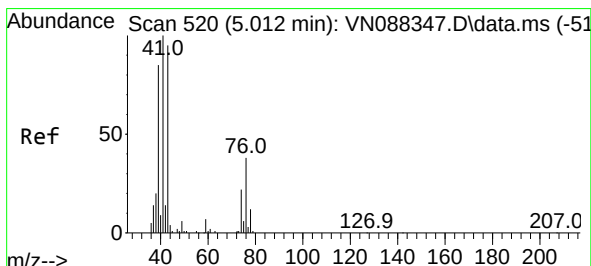
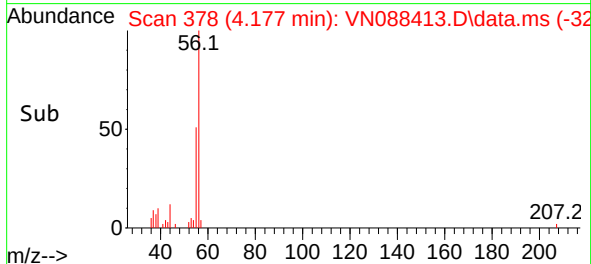
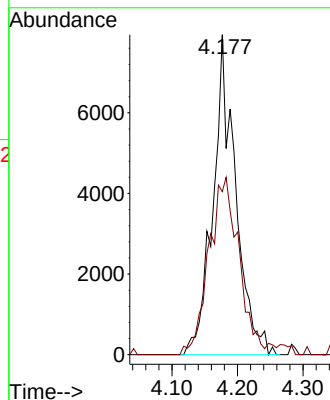
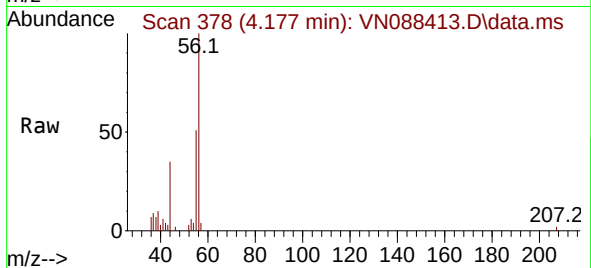
55 73.3 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#14

Allyl chloride

Concen: 5.049 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

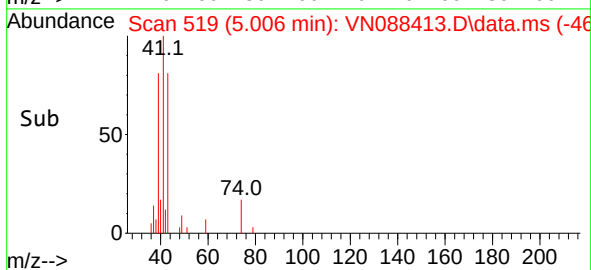
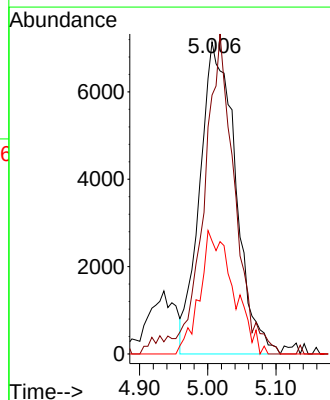
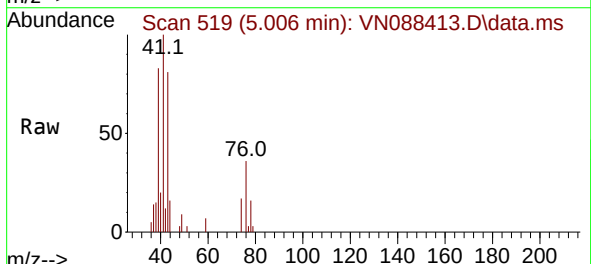
Tgt Ion: 41 Resp: 25988

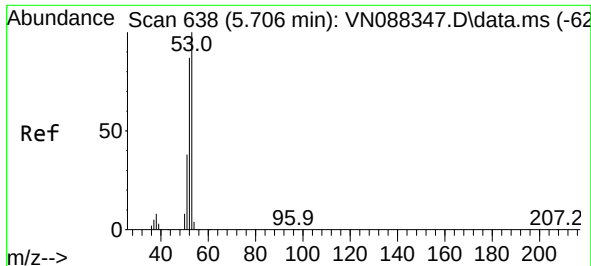
Ion Ratio Lower Upper

41 100

39 90.3 64.7 97.1

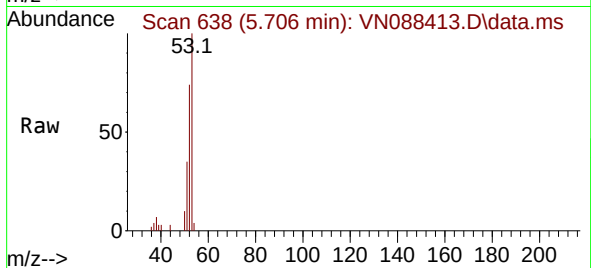
76 37.1 29.1 43.7





#15
Acrylonitrile
Concen: 26.717 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

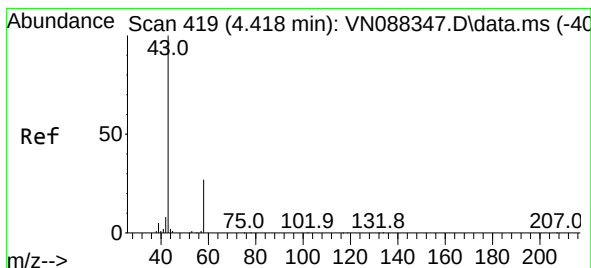
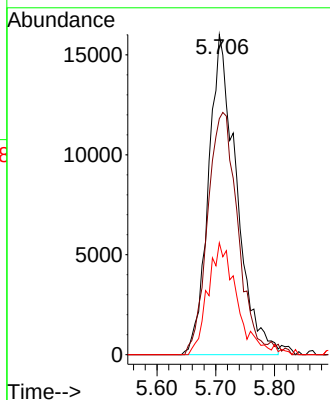
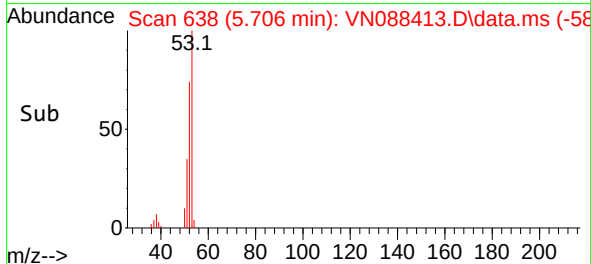
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 53 Resp: 52774
Ion Ratio Lower Upper
53 100
52 81.4 67.8 101.6
51 36.0 29.8 44.8

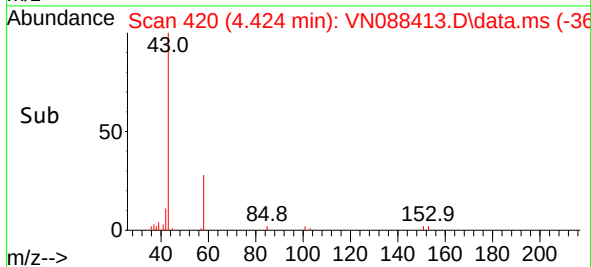
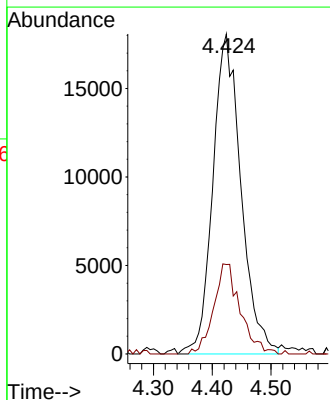
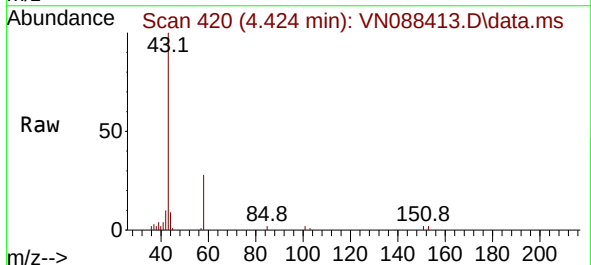
Manual Integrations
APPROVED

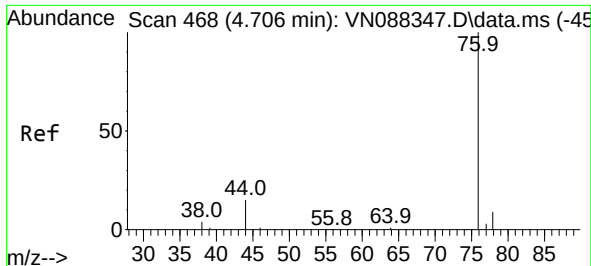
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#16
Acetone
Concen: 38.718 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

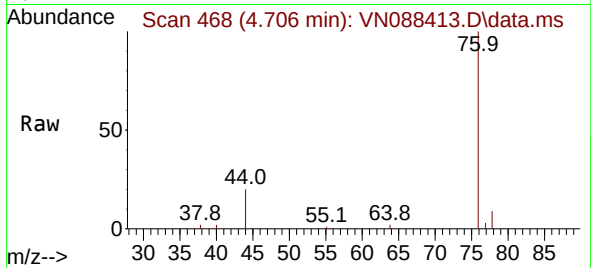
Tgt Ion: 43 Resp: 60044
Ion Ratio Lower Upper
43 100
58 27.9 21.7 32.5





#17
Carbon Disulfide
Concen: 5.484 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

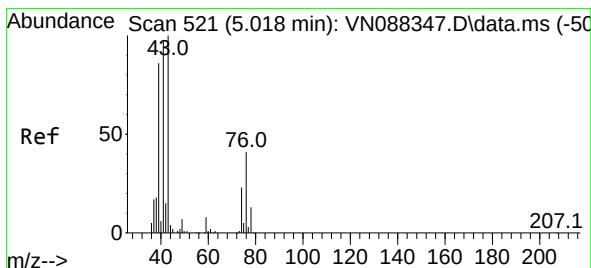
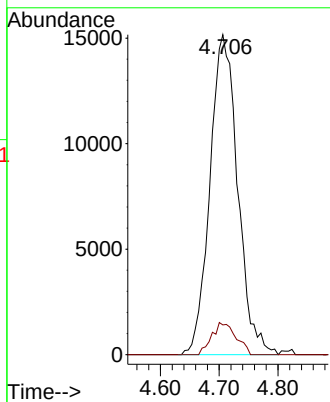
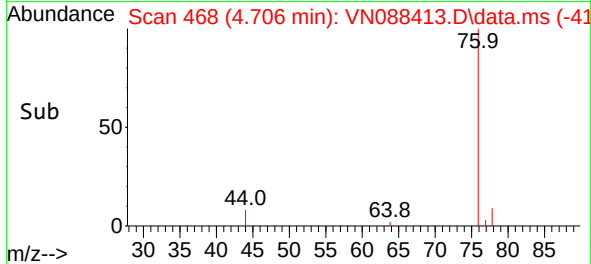
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



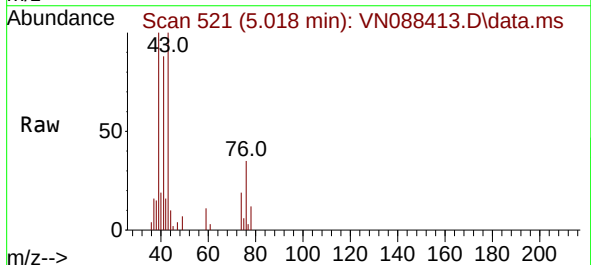
Tgt Ion: 76 Resp: 49769
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

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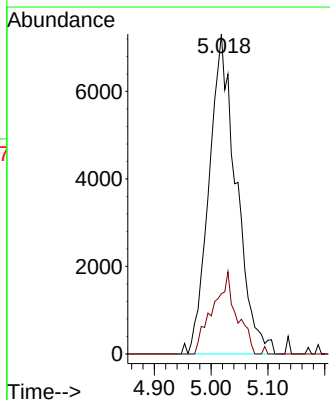
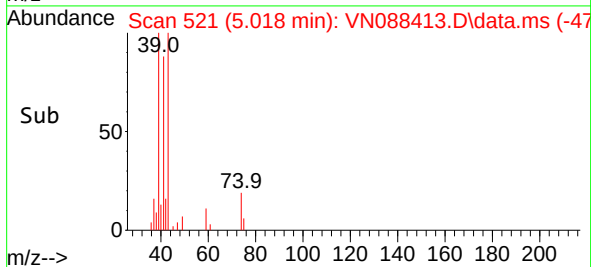
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

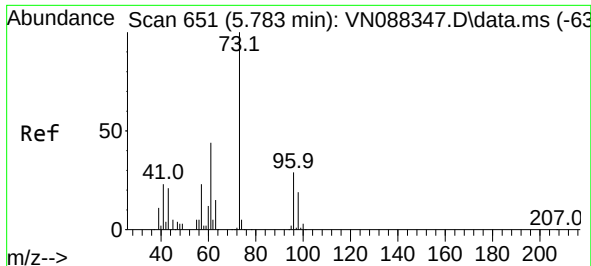


#18
Methyl Acetate
Concen: 5.290 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44



Tgt Ion: 43 Resp: 24420
Ion Ratio Lower Upper
43 100
74 22.4 17.9 26.9





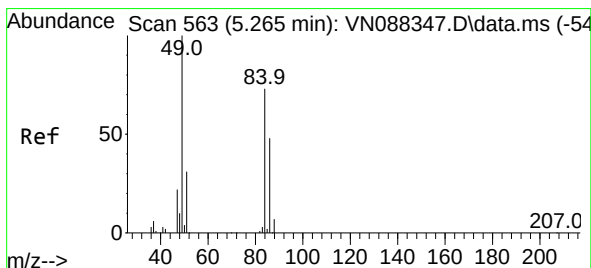
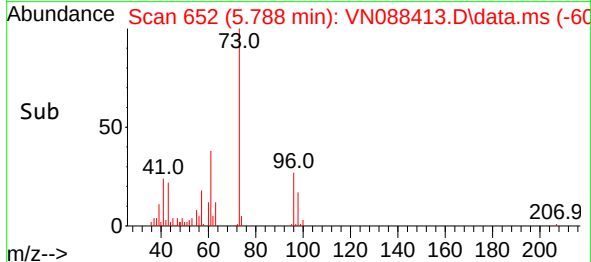
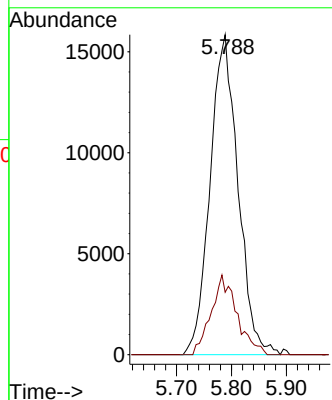
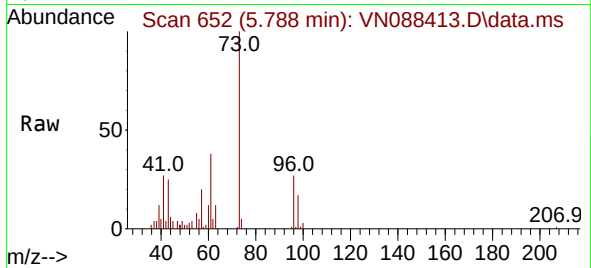
#19
Methyl tert-butyl Ether
Concen: 5.373 ug/l
RT: 5.788 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 73 Resp: 5590
Ion Ratio Lower Upper
73 100
57 19.5 18.6 28.0

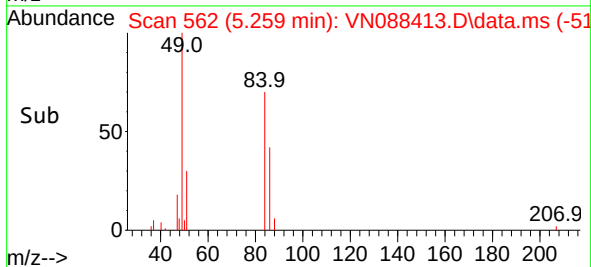
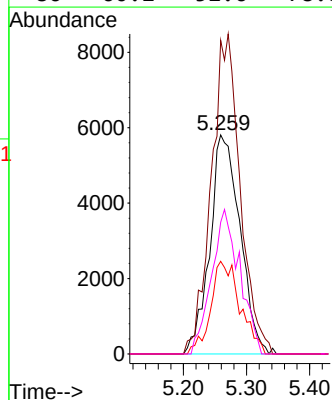
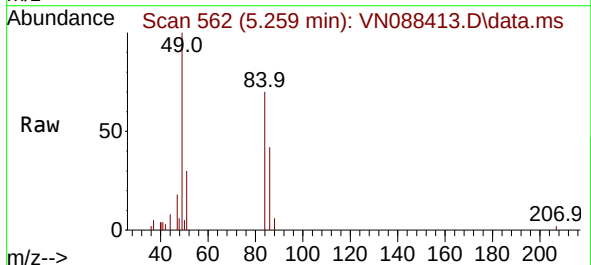
Manual Integrations
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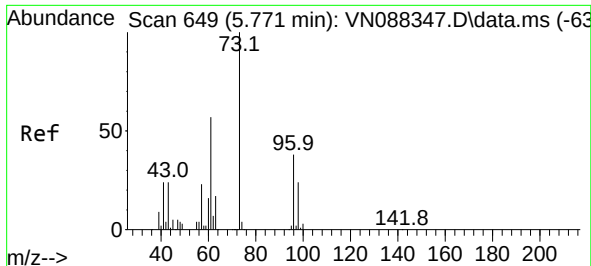
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#20
Methylene Chloride
Concen: 5.808 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

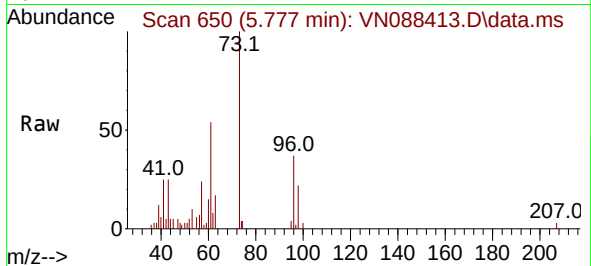
Tgt Ion: 84 Resp: 19271
Ion Ratio Lower Upper
84 100
49 143.2 110.2 165.2
51 42.3 34.1 51.1
86 60.2 52.6 78.8





#21
trans-1,2-Dichloroethene
Concen: 5.399 ug/l
RT: 5.777 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

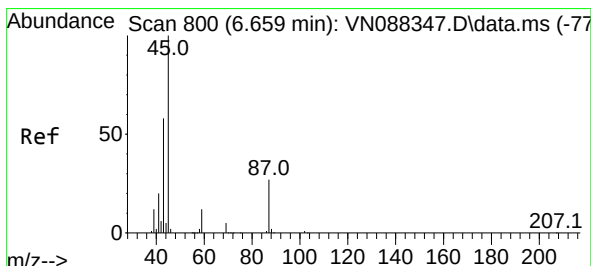
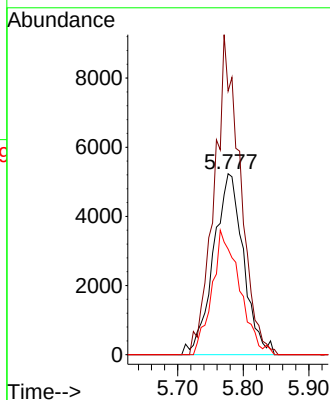
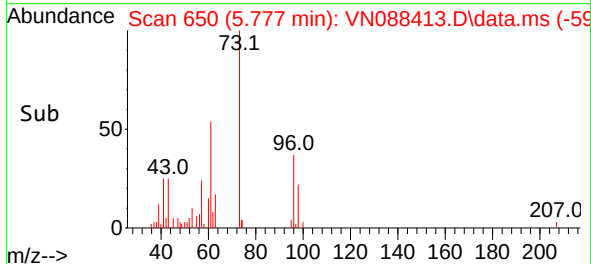
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 1661
Ion Ratio Lower Upper
96 100
61 145.6 122.4 183.6
98 58.4 50.9 76.3

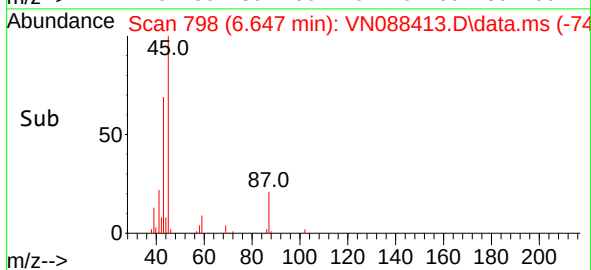
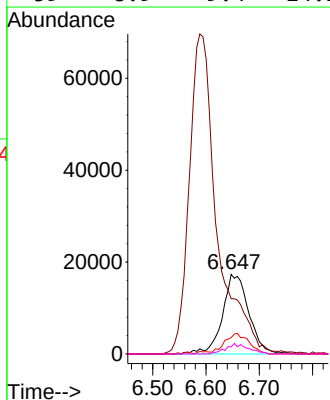
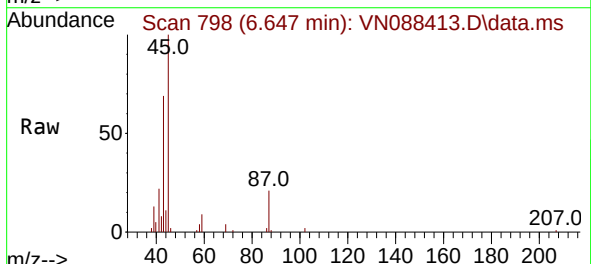
Manual Integrations
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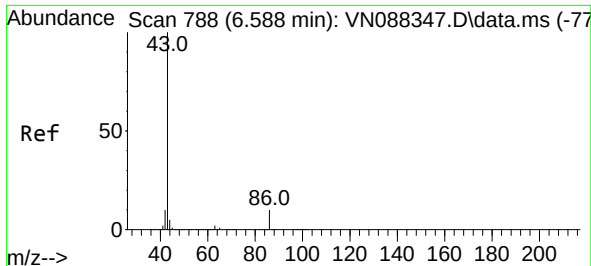
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#22
Diisopropyl ether
Concen: 5.378 ug/l
RT: 6.647 min Scan# 798
Delta R.T. -0.012 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

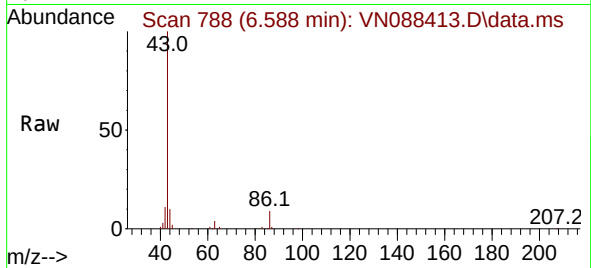
Tgt Ion: 45 Resp: 59098
Ion Ratio Lower Upper
45 100
43 66.2 47.4 71.2
87 20.6 21.9 32.9#
59 8.9 9.4 14.2#





#23
 Vinyl Acetate
 Concen: 25.461 ug/l m
 RT: 6.588 min Scan# 788
 Delta R.T. 0.000 min
 Lab File: VN088413.D
 Acq: 02 Dec 2025 16:44

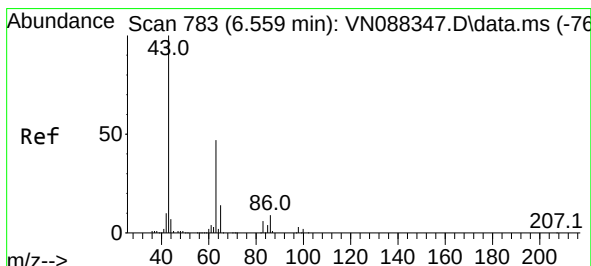
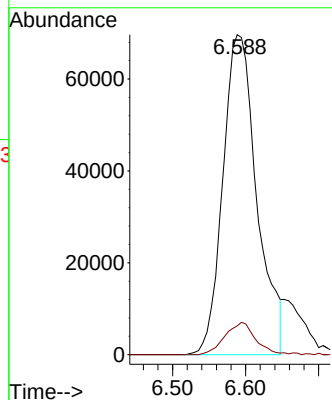
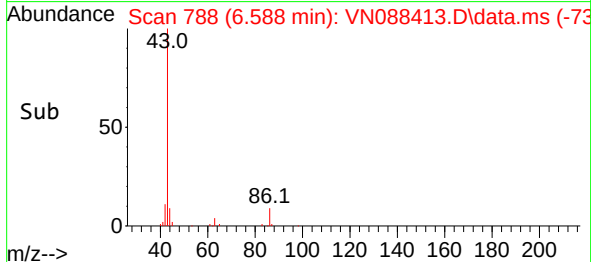
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



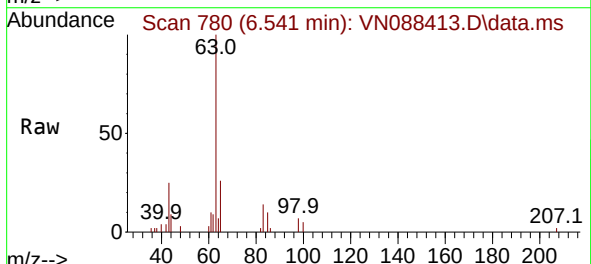
Tgt Ion: 43 Resp: 22543
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.8 11.8

Manual Integrations
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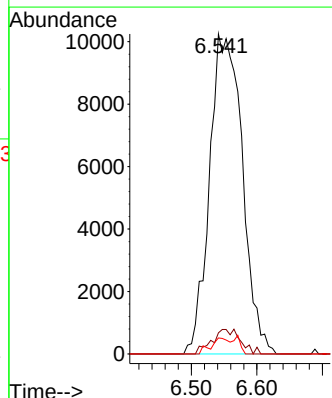
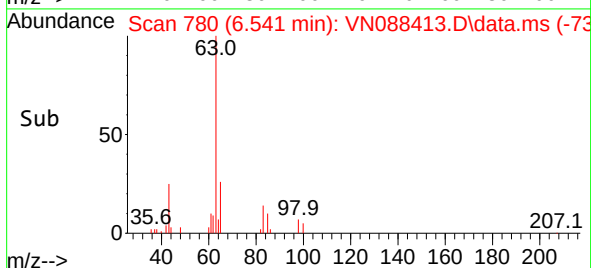
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

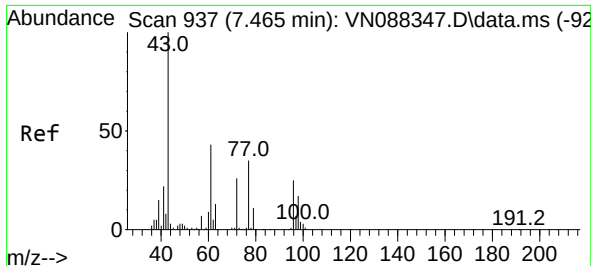


#24
 1,1-Dichloroethane
 Concen: 5.717 ug/l
 RT: 6.541 min Scan# 780
 Delta R.T. -0.018 min
 Lab File: VN088413.D
 Acq: 02 Dec 2025 16:44



Tgt Ion: 63 Resp: 35579
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 5.0 1.9 5.7





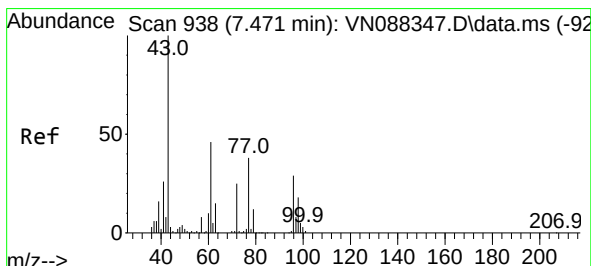
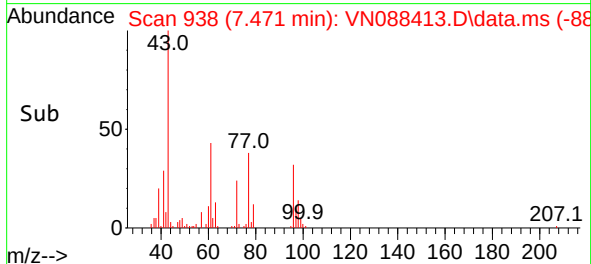
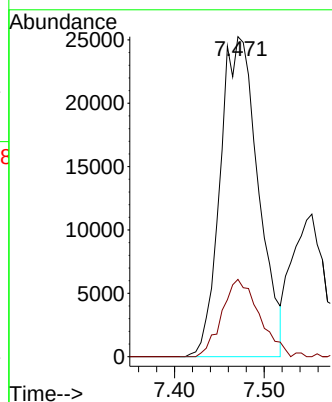
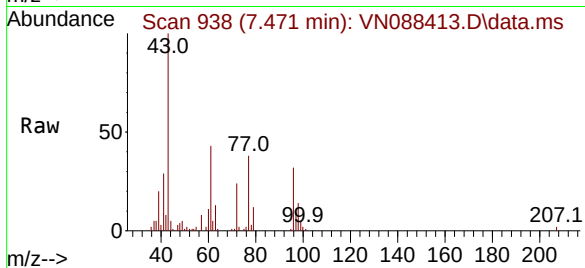
#25
2-Butanone
Concen: 29.875 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 43 Resp: 7448
Ion Ratio Lower Upper
43 100
72 24.2 20.5 30.7

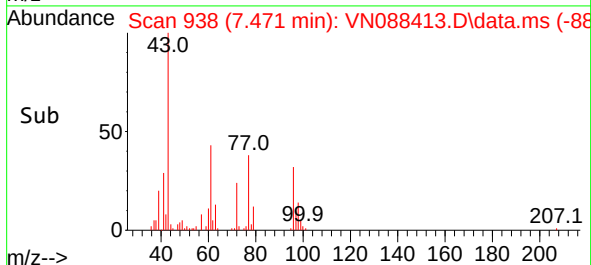
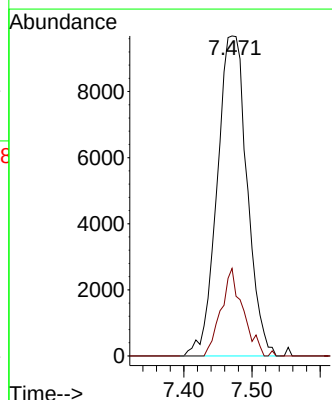
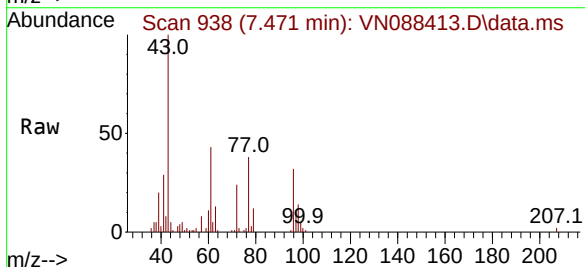
Manual Integrations
APPROVED

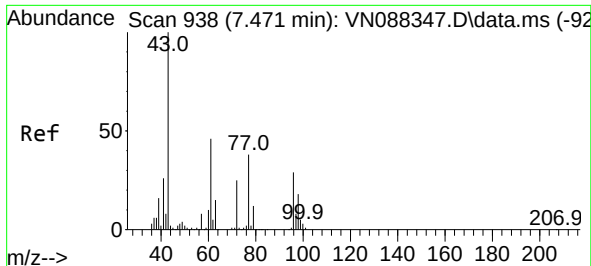
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#26
2,2-Dichloropropane
Concen: 5.503 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

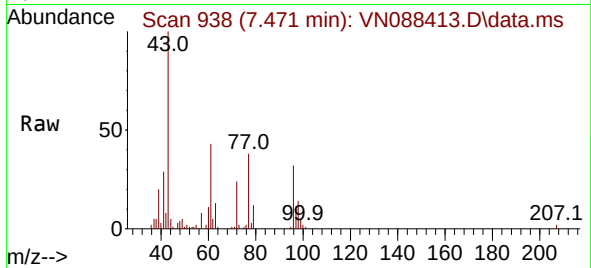
Tgt Ion: 77 Resp: 29563
Ion Ratio Lower Upper
77 100
97 20.0 10.3 30.9





#27
 cis-1,2-Dichloroethene
 Concen: 5.482 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN088413.D
 Acq: 02 Dec 2025 16:44

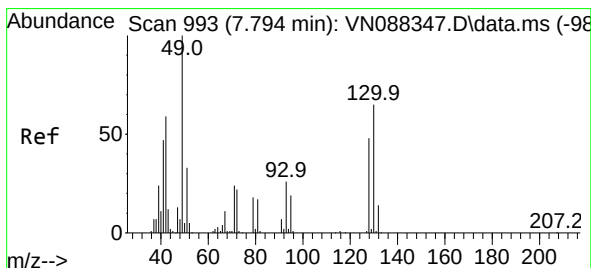
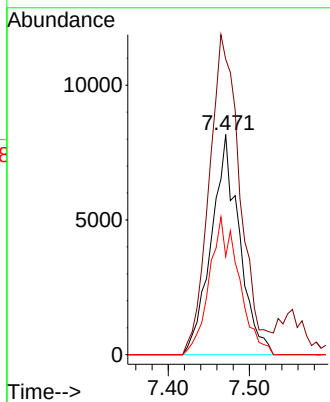
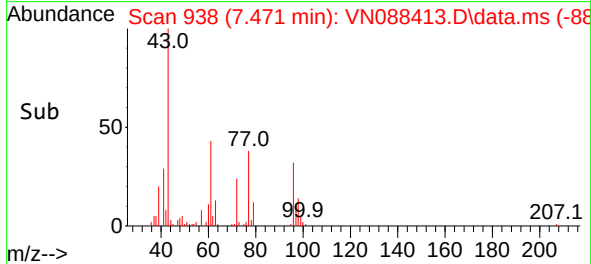
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion: 96 Resp: 1960
 Ion Ratio Lower Upper
 96 100
 61 160.2 0.0 323.6
 98 65.9 0.0 127.2

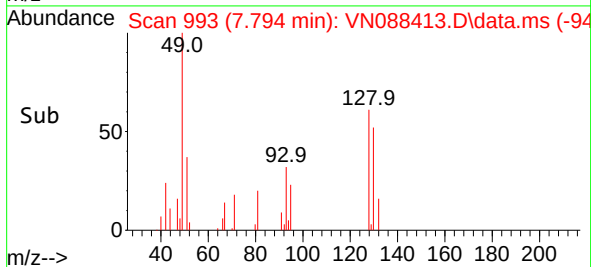
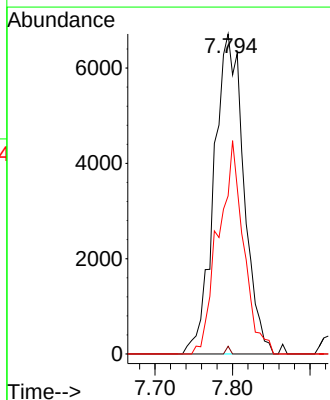
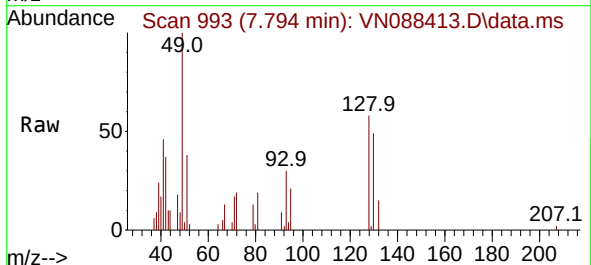
Manual Integrations
 APPROVED

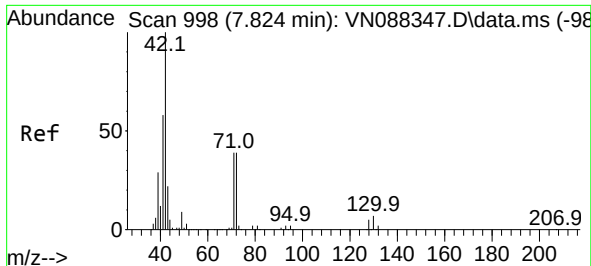
Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025



#28
 Bromochloromethane
 Concen: 5.771 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.000 min
 Lab File: VN088413.D
 Acq: 02 Dec 2025 16:44

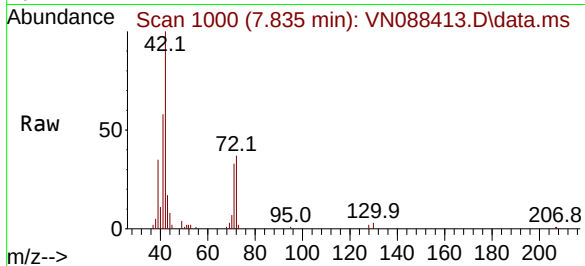
Tgt Ion: 49 Resp: 17891
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 3.6
 130 56.6 51.1 76.7





#29
Tetrahydrofuran
Concen: 24.624 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

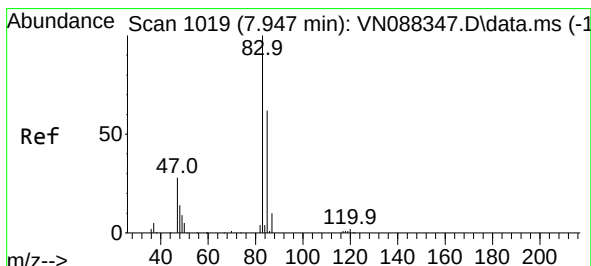
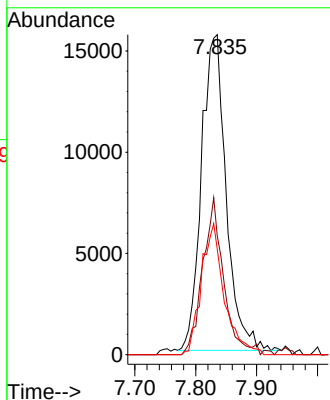
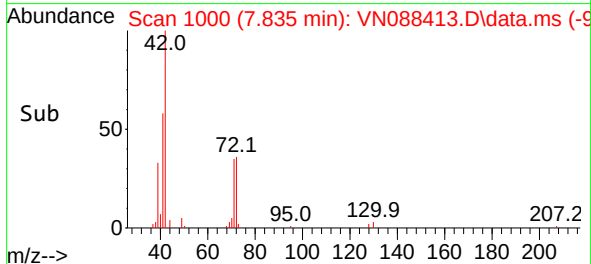
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 42 Resp: 4403
Ion Ratio Lower Upper
42 100
72 42.5 32.2 48.4
71 38.4 31.1 46.7

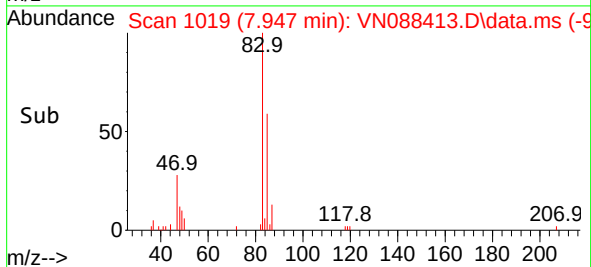
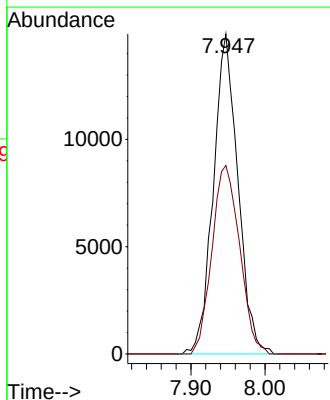
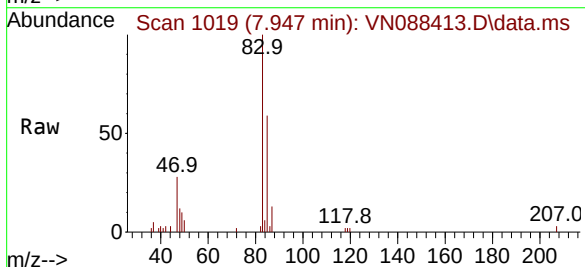
Manual Integrations
APPROVED

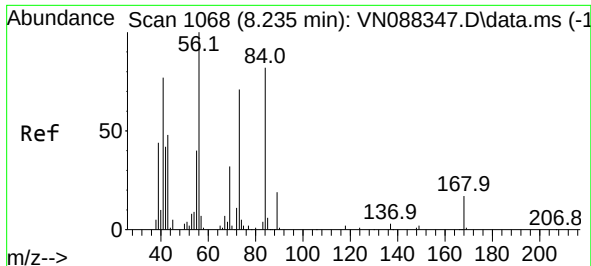
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#30
Chloroform
Concen: 5.602 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

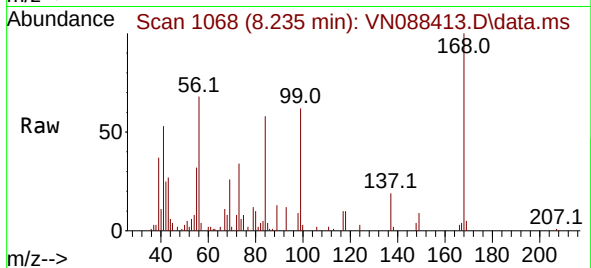
Tgt Ion: 83 Resp: 34255
Ion Ratio Lower Upper
83 100
85 58.9 49.8 74.8





#31
Cyclohexane
Concen: 5.844 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

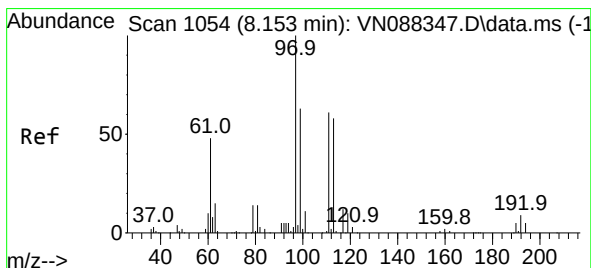
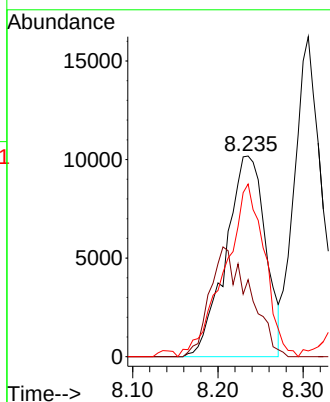
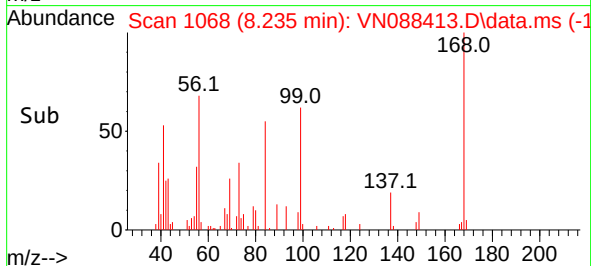
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



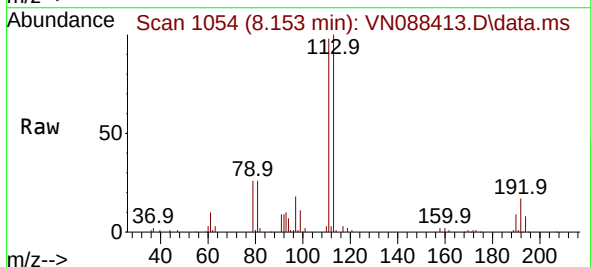
Tgt Ion: 56 Resp: 3295
Ion Ratio Lower Upper
56 100
69 38.3 25.3 37.9
84 86.0 65.4 98.2

Manual Integrations
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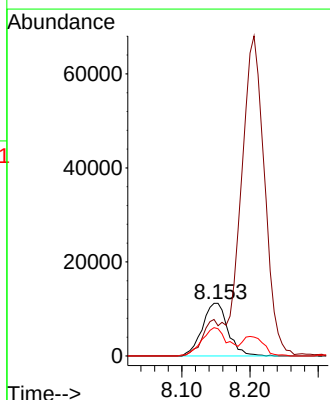
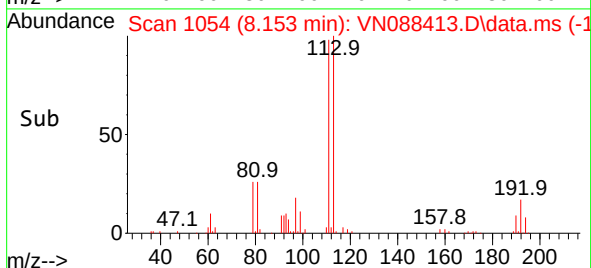
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

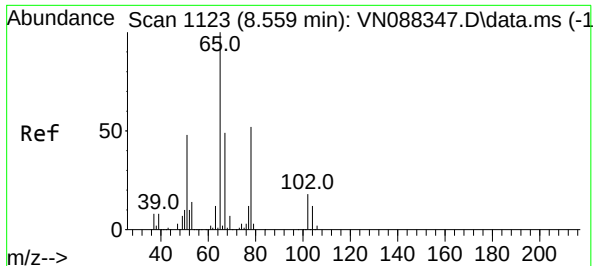


#32
1,1,1-Trichloroethane
Concen: 5.450 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44



Tgt Ion: 97 Resp: 29305
Ion Ratio Lower Upper
97 100
99 42.8 50.8 76.2
61 54.3 42.2 63.2





#33

1,2-Dichloroethane-d4

Concen: 55.095 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 65 Resp: 23625

Ion Ratio Lower Upper

65 100

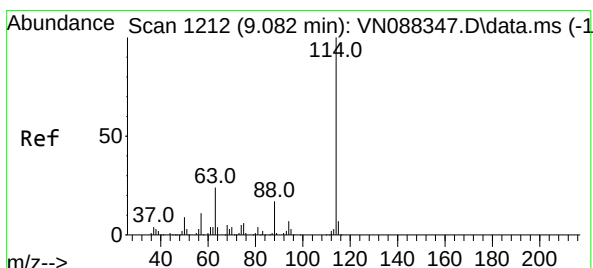
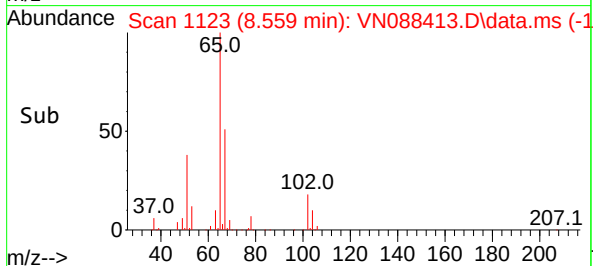
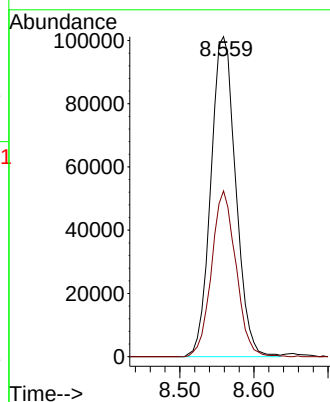
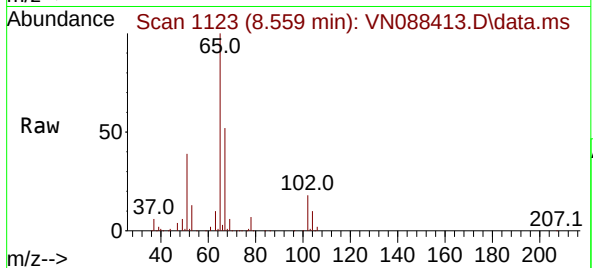
67 50.7 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

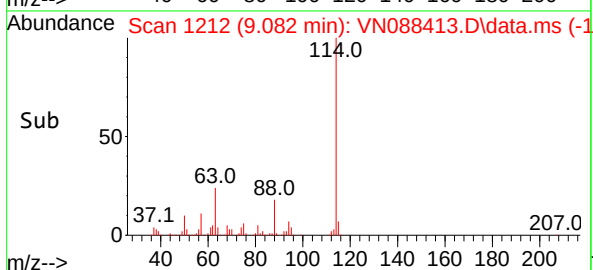
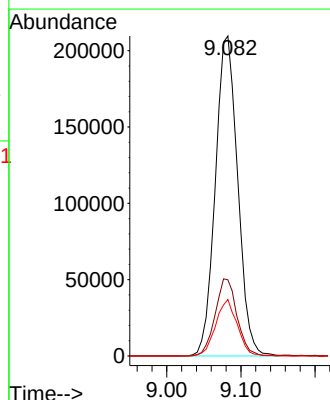
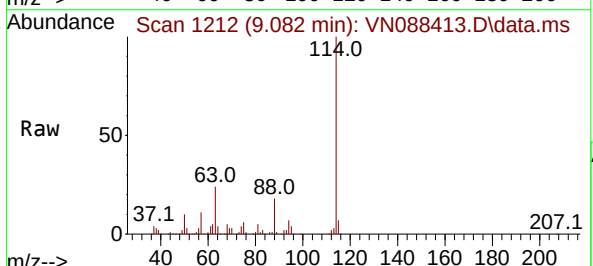
Tgt Ion:114 Resp: 438948

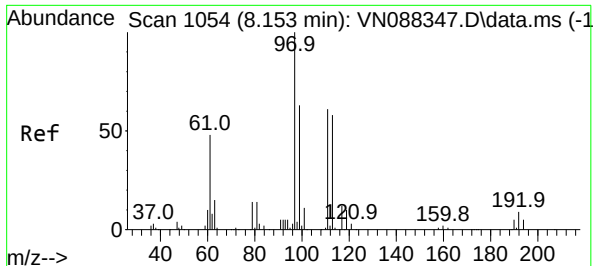
Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.0

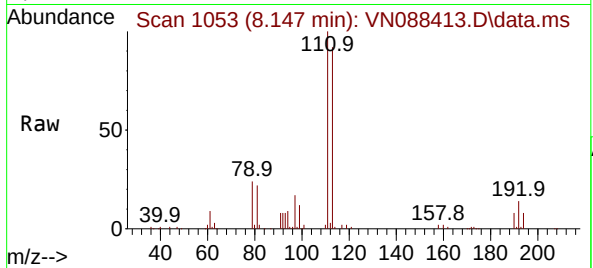
88 17.6 0.0 34.0





#35
Dibromofluoromethane
Concen: 51.405 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

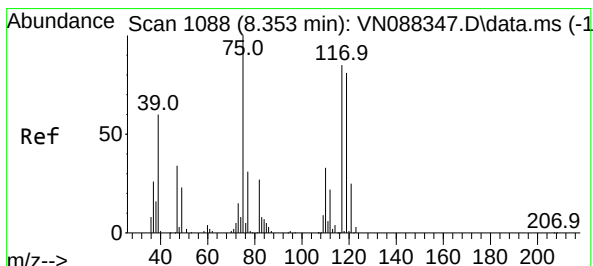
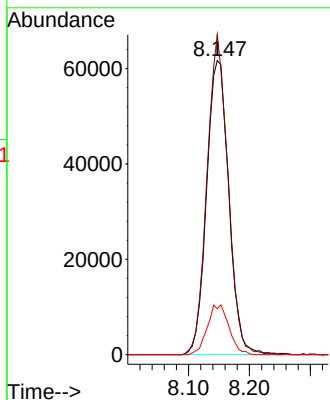
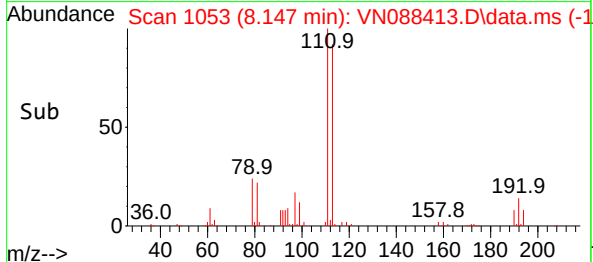
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 113 Resp: 15636
Ion Ratio Lower Upper
113 100
111 103.1 82.5 123.7
192 16.6 12.8 19.2

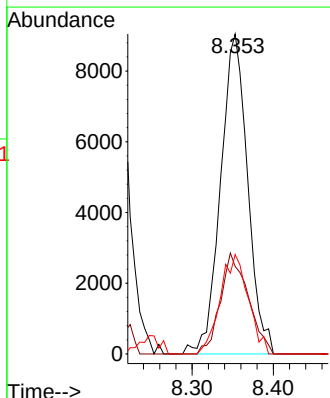
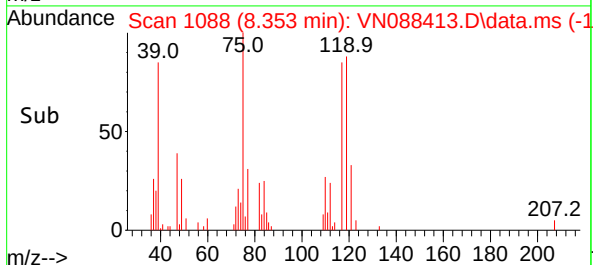
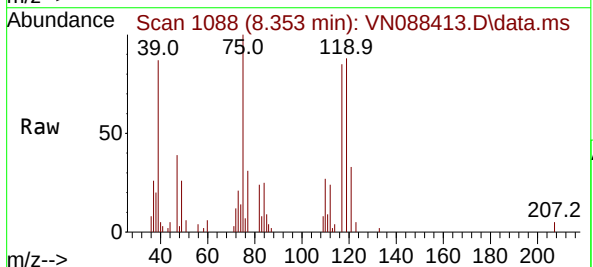
Manual Integrations
APPROVED

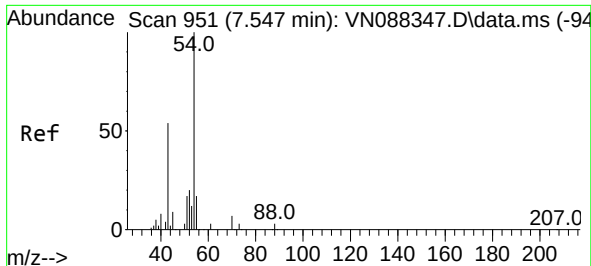
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion: 75 Resp: 20930
Ion Ratio Lower Upper
75 100
110 32.6 15.8 47.4
77 32.3 24.2 36.2





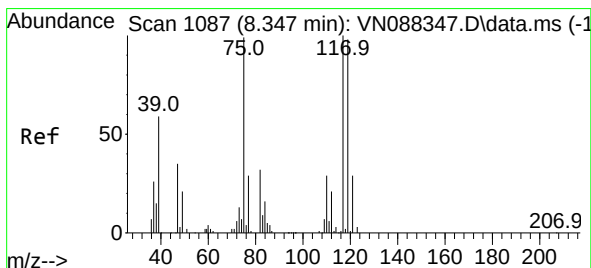
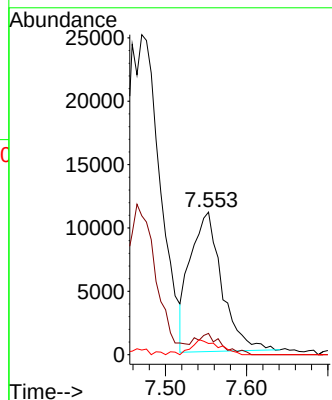
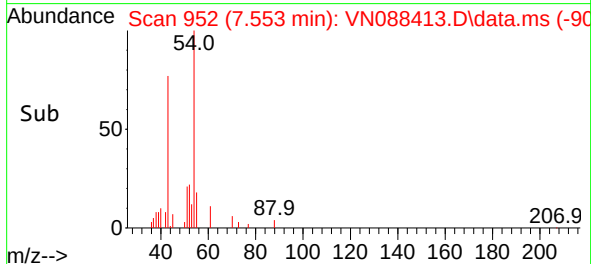
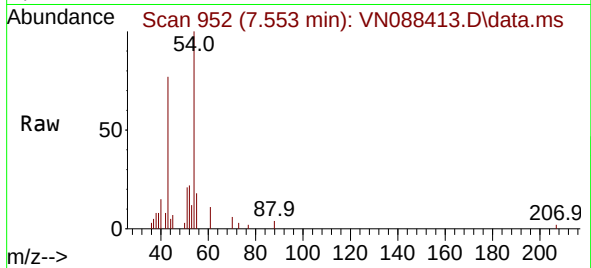
#37
Ethyl Acetate
Concen: 4.841 ug/l
RT: 7.553 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 43 Resp: 29880
Ion Ratio Lower Upper
43 100
61 12.1 9.5 14.3
70 9.6 7.1 10.7

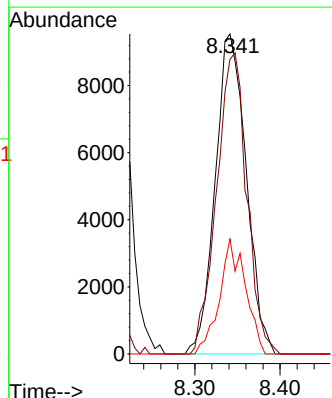
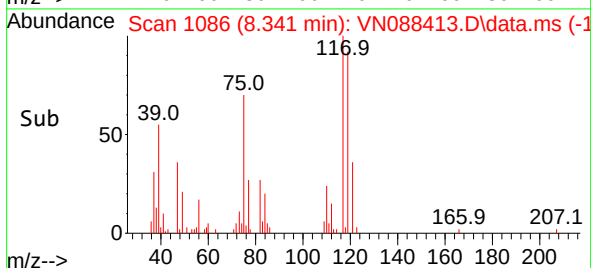
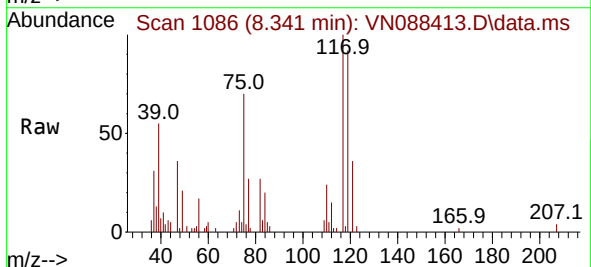
Manual Integrations
APPROVED

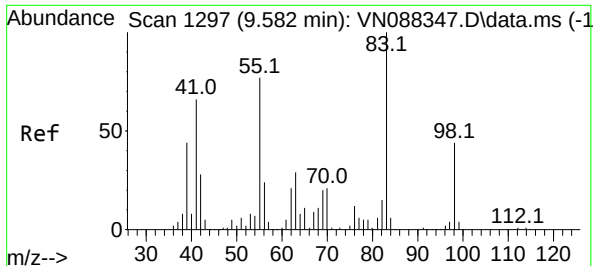
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#38
Carbon Tetrachloride
Concen: 5.171 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:117 Resp: 24165
Ion Ratio Lower Upper
117 100
119 92.1 78.2 117.4
121 35.9 23.4 35.2#





#39

Methylcyclohexane

Concen: 4.163 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

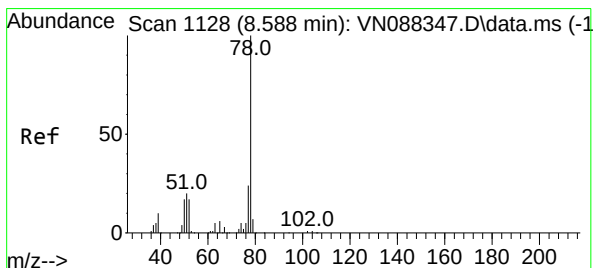
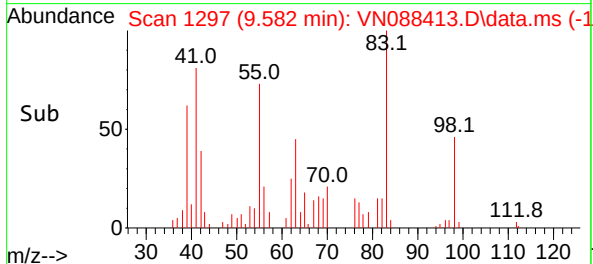
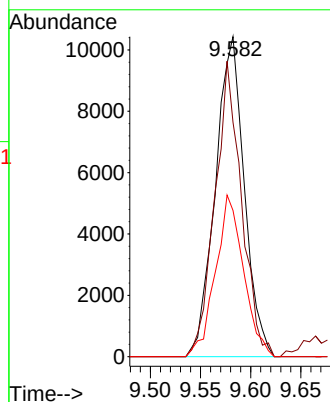
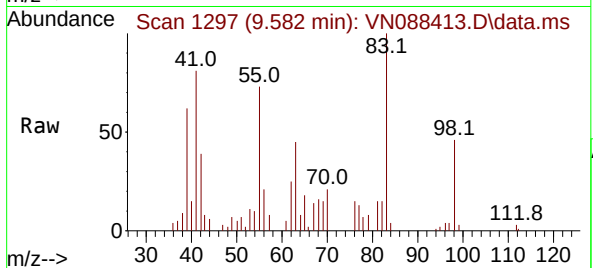
Tgt Ion: 83	Resp: 2090
Ion Ratio	Lower Upper
83	100
55	73.2 61.6 92.4
98	45.7 35.3 52.9

Manual Integrations

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Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#40

Benzene

Concen: 5.303 ug/l

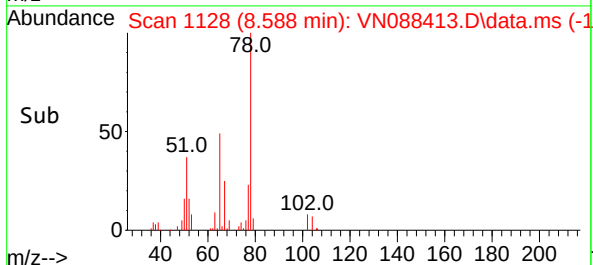
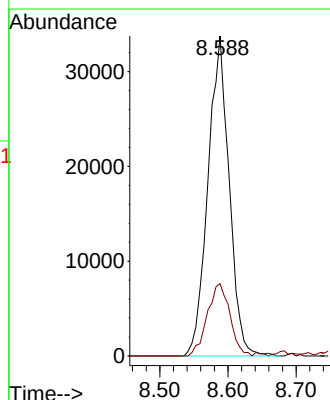
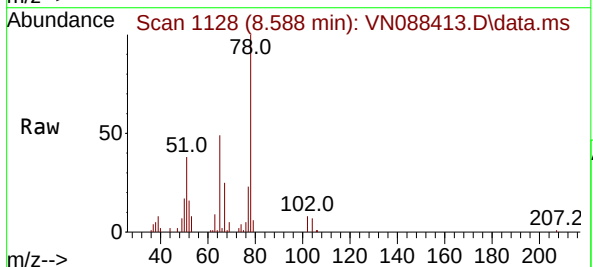
RT: 8.588 min Scan# 1128

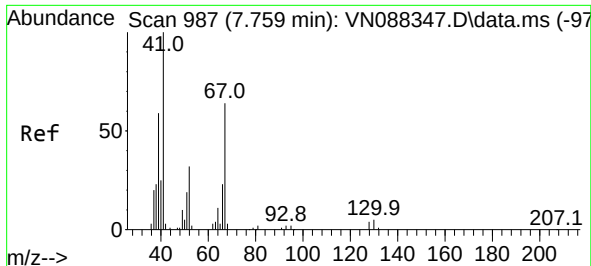
Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

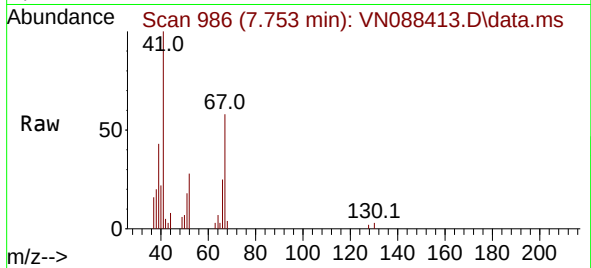
Tgt Ion: 78	Resp: 73072
Ion Ratio	Lower Upper
78	100
77	22.6 19.0 28.4





#41
Methacrylonitrile
Concen: 5.154 ug/l
RT: 7.753 min Scan# 986
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

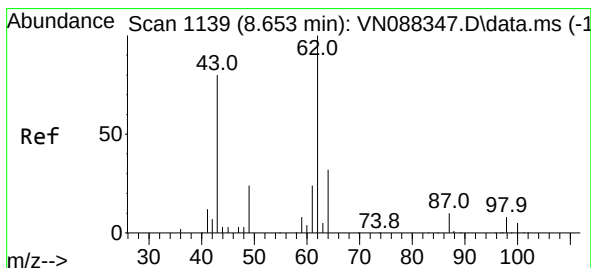
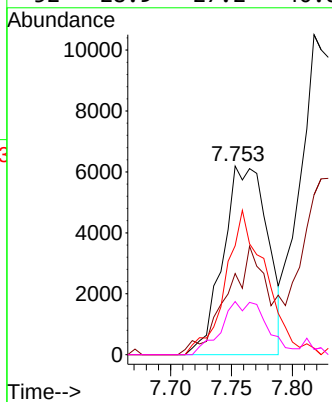
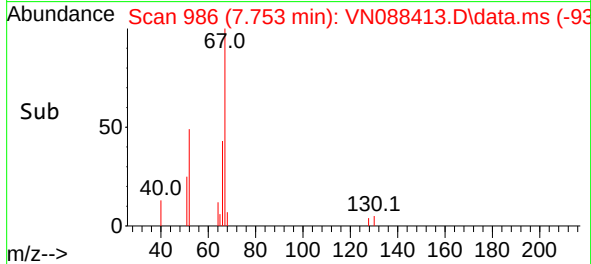
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 41 Resp: 15758
Ion Ratio Lower Upper
41 100
39 57.0 46.3 69.5
67 70.0 54.7 82.1
52 28.9 27.2 40.8

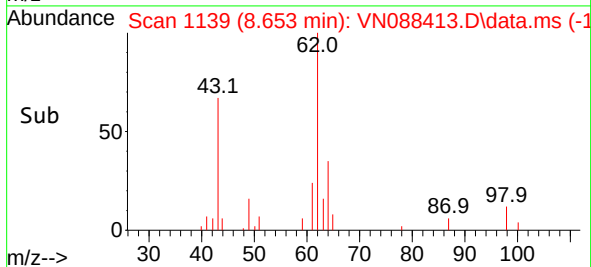
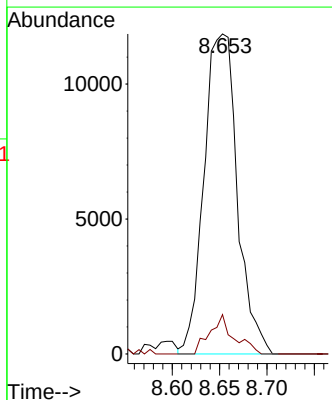
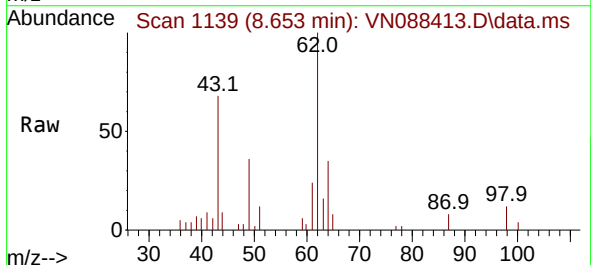
Manual Integrations
APPROVED

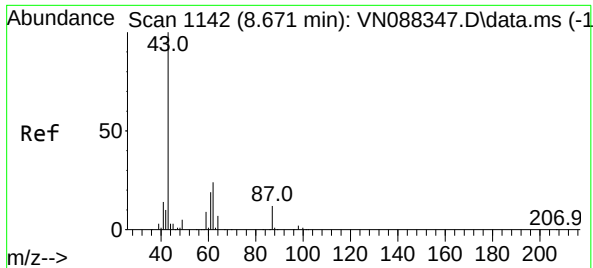
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#42
1,2-Dichloroethane
Concen: 5.514 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

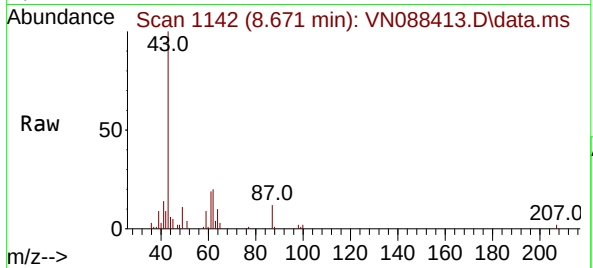
Tgt Ion: 62 Resp: 28988
Ion Ratio Lower Upper
62 100
98 8.8 0.0 16.2





#43
Isopropyl Acetate
Concen: 4.927 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

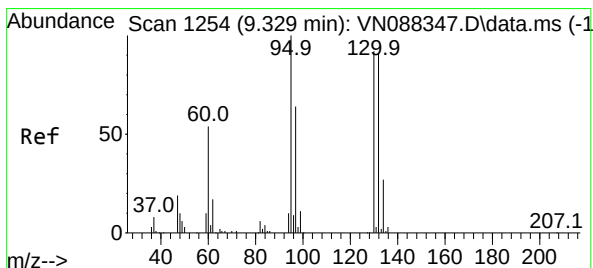
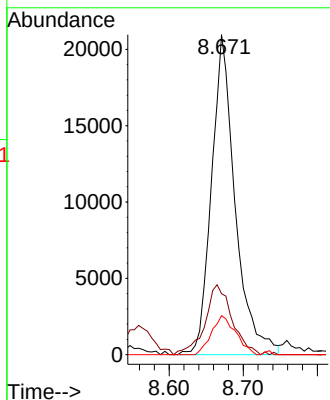
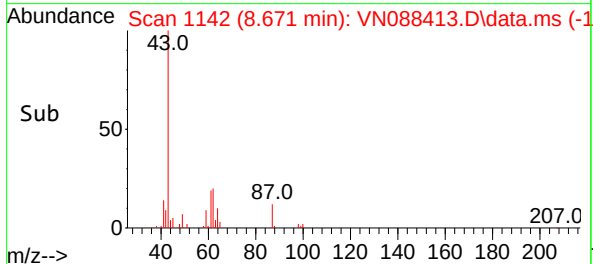
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



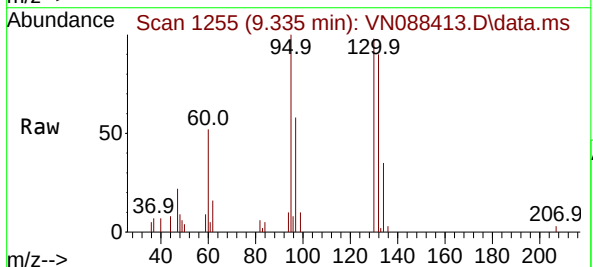
Tgt Ion: 43 Resp: 46472
Ion Ratio Lower Upper
43 100
61 24.9 18.7 28.1
87 12.5 9.1 13.7

Manual Integrations
APPROVED

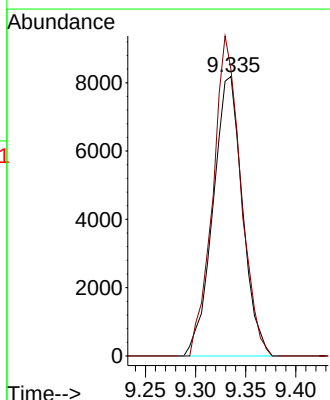
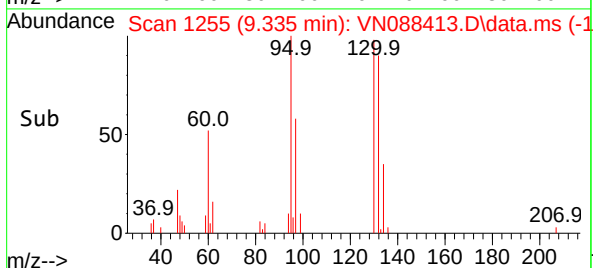
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

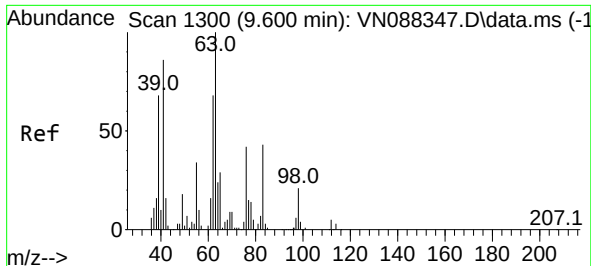


#44
Trichloroethene
Concen: 5.137 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44



Tgt Ion:130 Resp: 16726
Ion Ratio Lower Upper
130 100
95 102.4 0.0 217.0





#45

1,2-Dichloropropane

Concen: 5.468 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 63 Resp: 1930

Ion Ratio Lower Upper

63 100

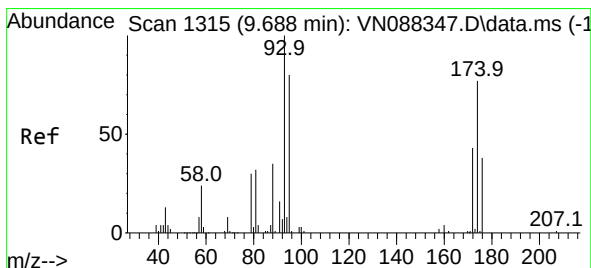
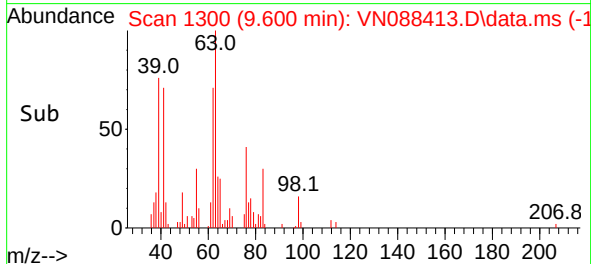
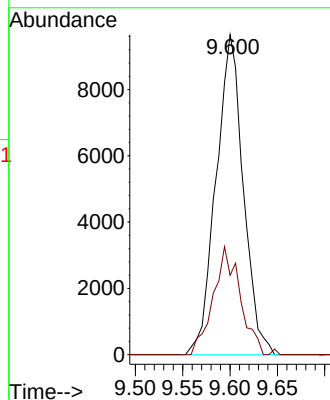
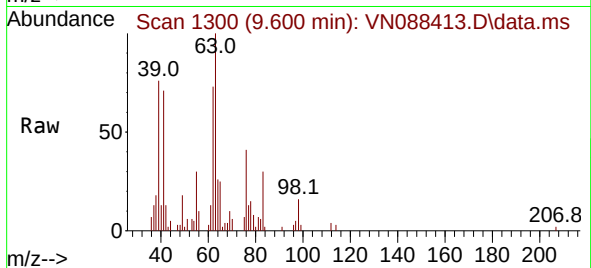
65 24.8 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#46

Dibromomethane

Concen: 5.494 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

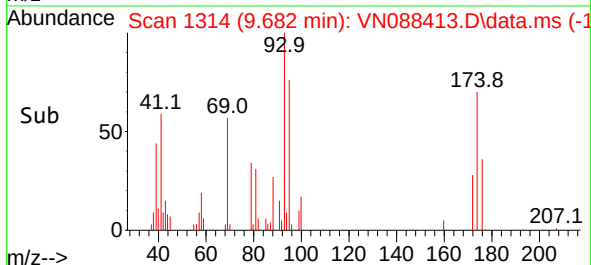
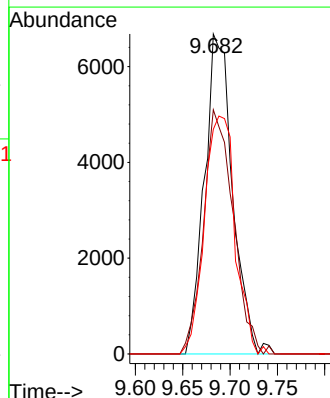
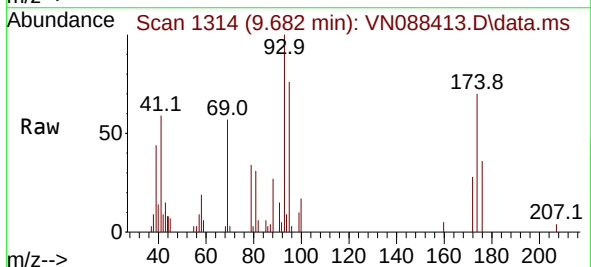
Tgt Ion: 93 Resp: 13842

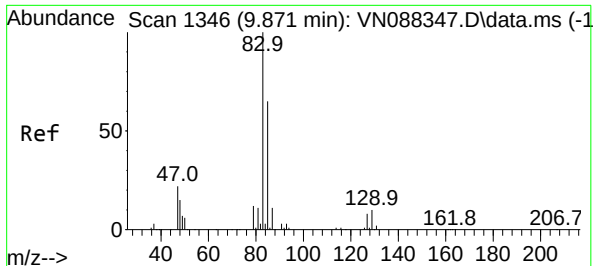
Ion Ratio Lower Upper

93 100

95 80.5 65.8 98.6

174 80.8 64.3 96.5





#47

Bromodichloromethane

Concen: 5.520 ug/l

RT: 9.865 min Scan# 1346

Delta R.T. -0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

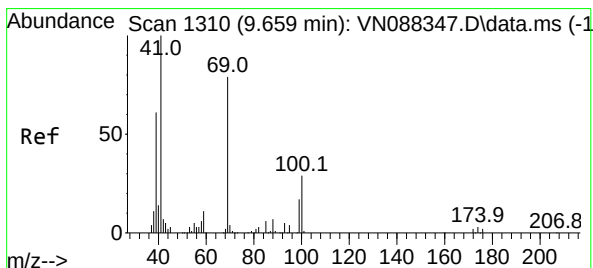
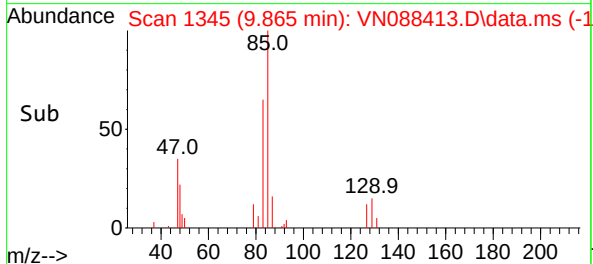
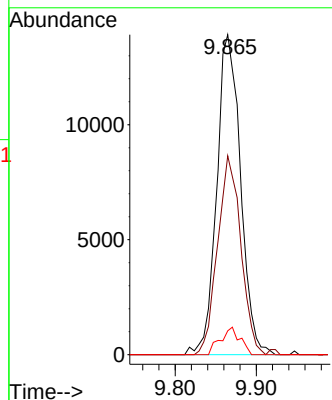
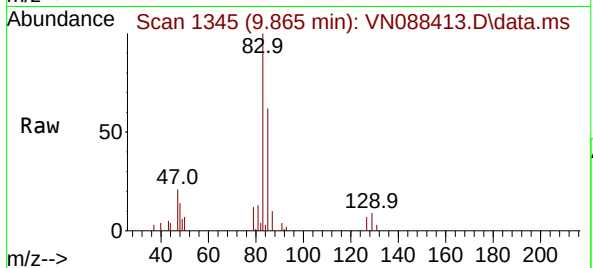
Tgt Ion:	83	Resp:	28370
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.9	77.9
127	7.5	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#48

Methyl methacrylate

Concen: 4.834 ug/l

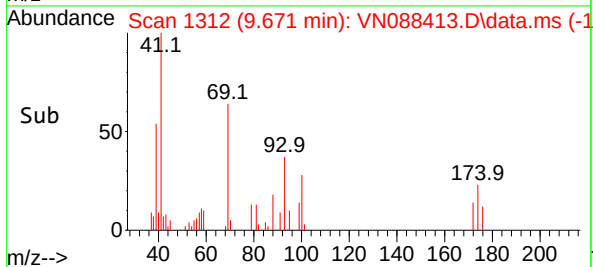
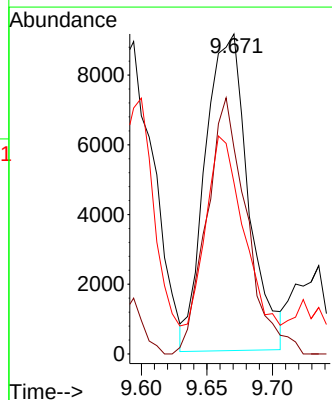
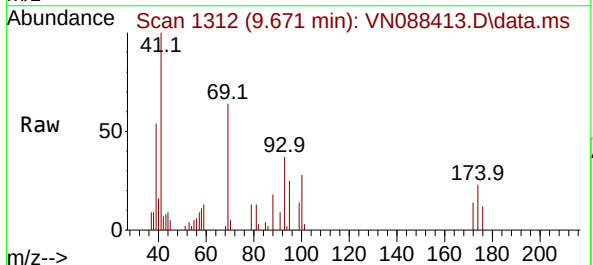
RT: 9.671 min Scan# 1312

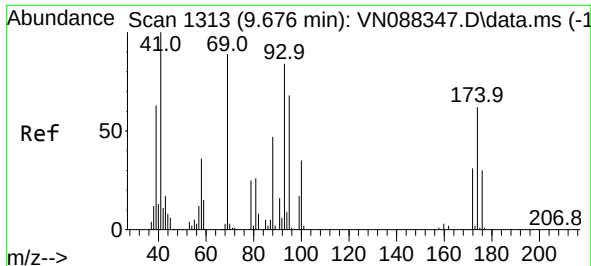
Delta R.T. 0.012 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

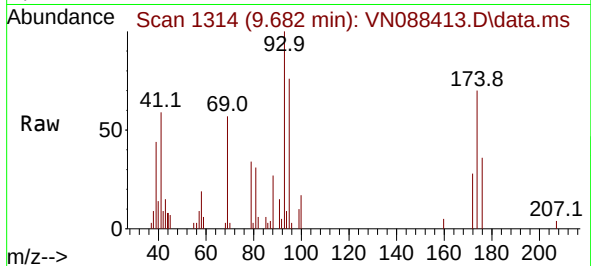
Tgt Ion:	41	Resp:	20800
Ion Ratio	Lower	Upper	
41	100		
69	75.0	62.4	93.6
39	67.5	52.6	79.0





#49
1,4-Dioxane
Concen: 80.931 ug/l m
RT: 9.682 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

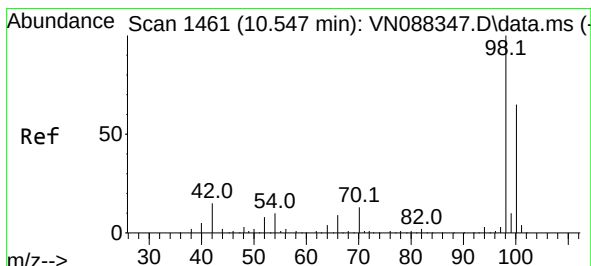
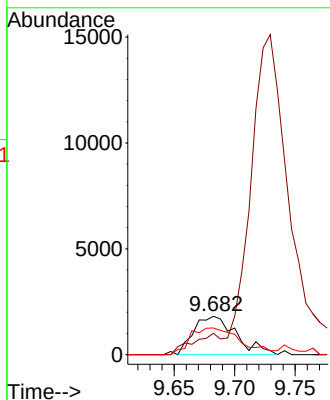
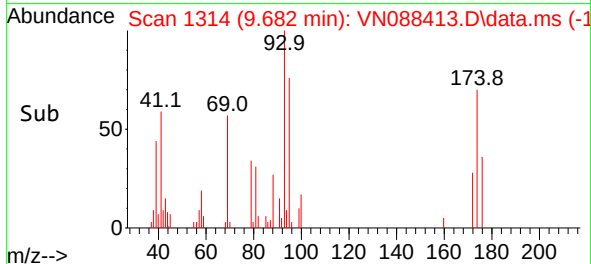
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



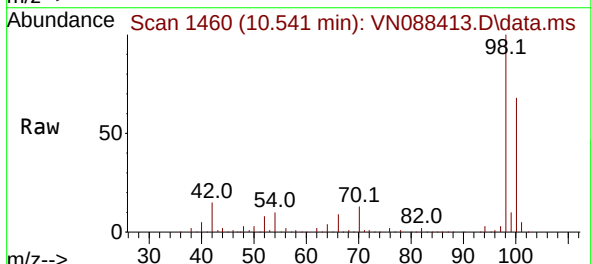
Tgt Ion: 88 Resp: 4429
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 82.9 62.0 93.0

Manual Integrations
APPROVED

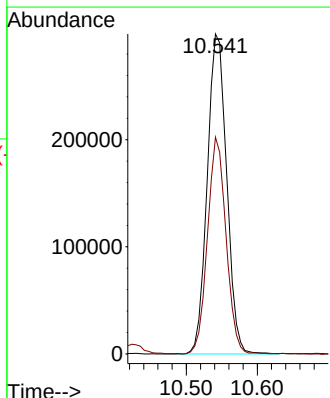
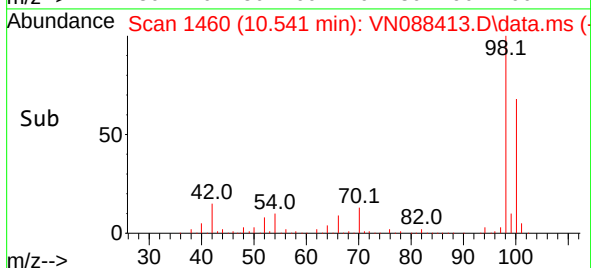
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

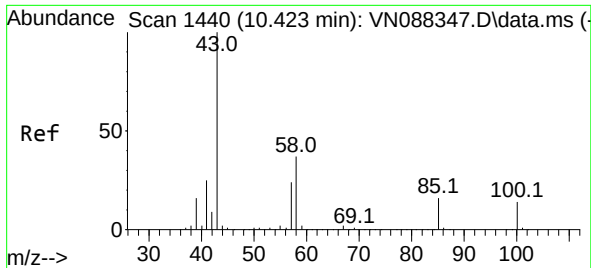


#50
Toluene-d8
Concen: 50.099 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44



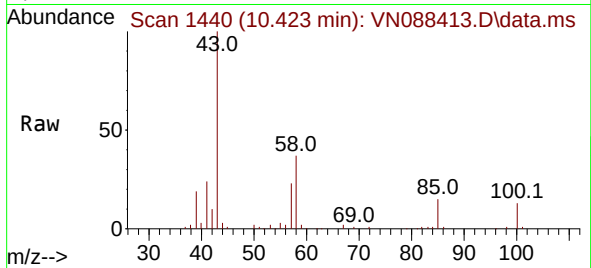
Tgt Ion: 98 Resp: 567027
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 25.185 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

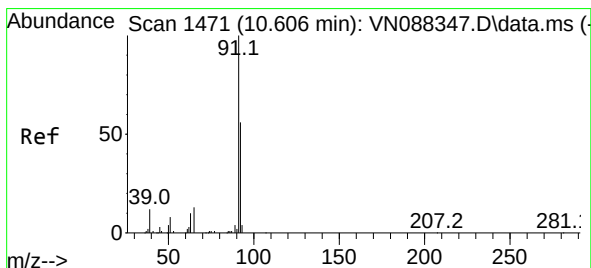
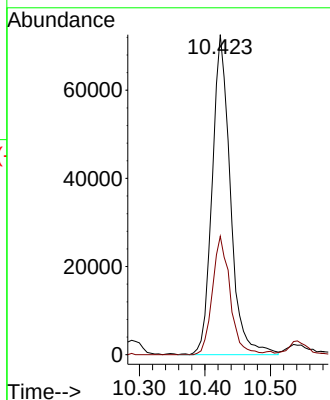
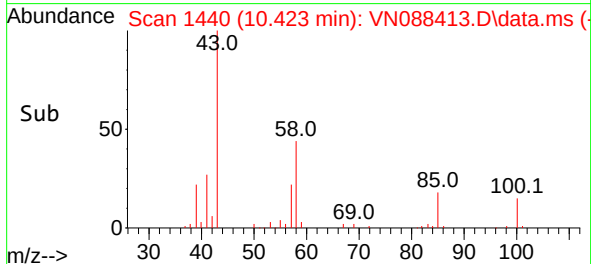
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 140000
Ion Ratio Lower Upper
43 100
58 35.9 29.1 43.7

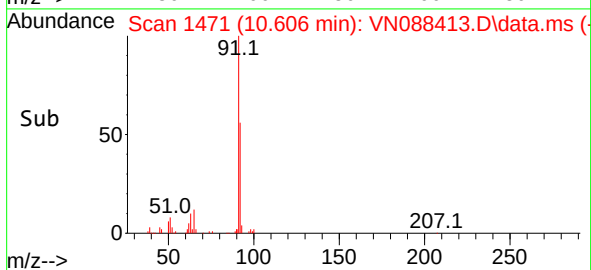
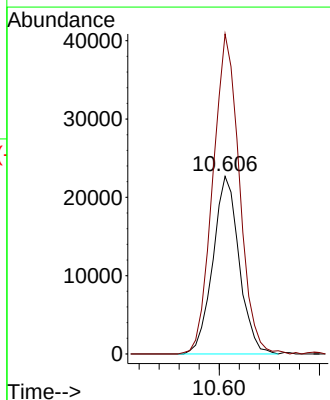
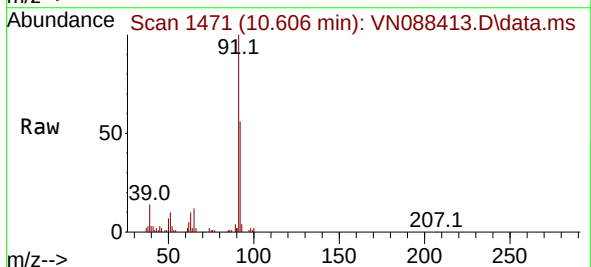
Manual Integrations
APPROVED

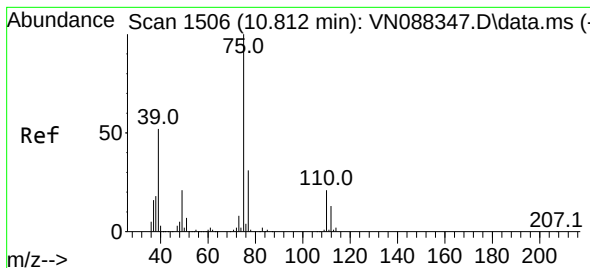
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#52
Toluene
Concen: 5.174 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

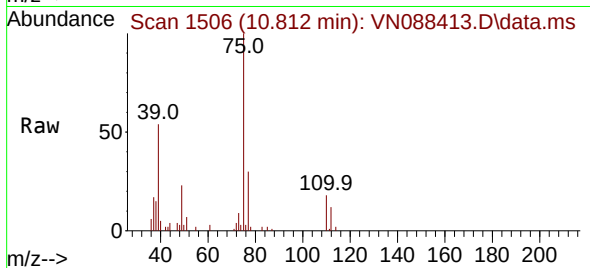
Tgt Ion: 92 Resp: 41168
Ion Ratio Lower Upper
92 100
91 182.0 140.2 210.2





#53
t-1,3-Dichloropropene
Concen: 4.940 ug/l
RT: 10.812 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

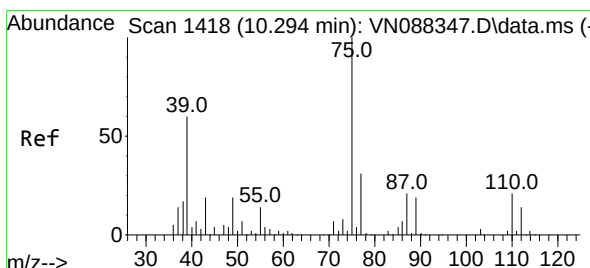
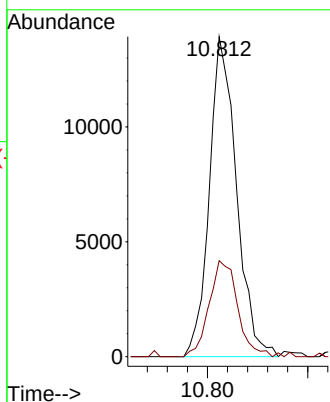
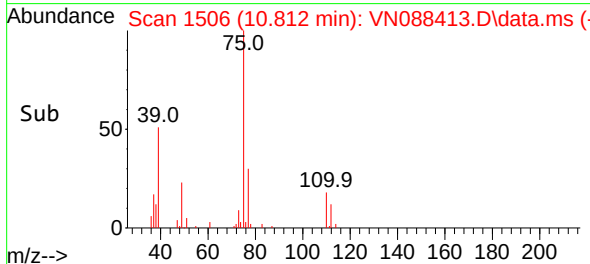
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



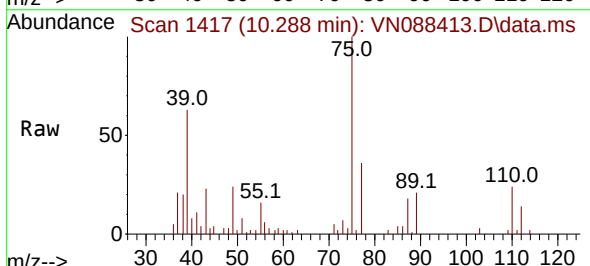
Tgt Ion: 75 Resp: 26064
Ion Ratio Lower Upper
75 100
77 30.0 24.8 37.2

Manual Integrations
APPROVED

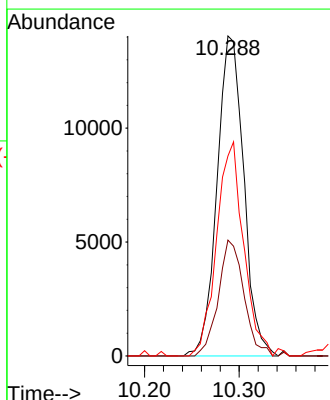
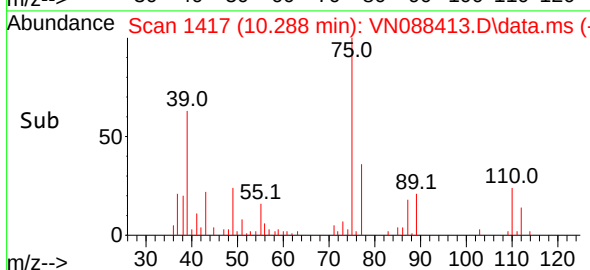
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

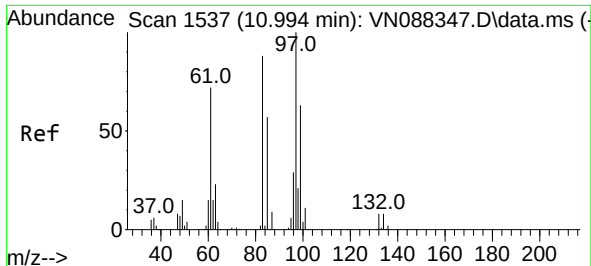


#54
cis-1,3-Dichloropropene
Concen: 4.960 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44



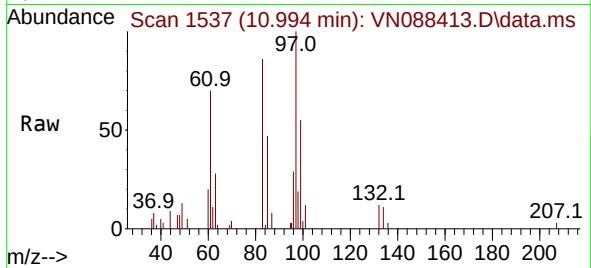
Tgt Ion: 75 Resp: 27523
Ion Ratio Lower Upper
75 100
77 36.2 24.5 36.7
39 62.5 48.3 72.5





#55
1,1,2-Trichloroethane
Concen: 5.659 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

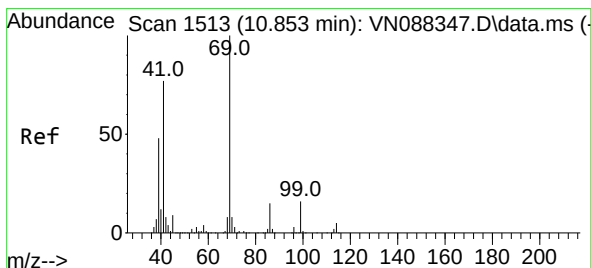
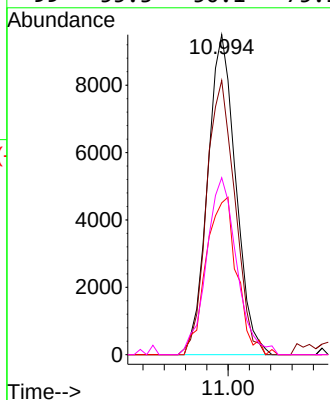
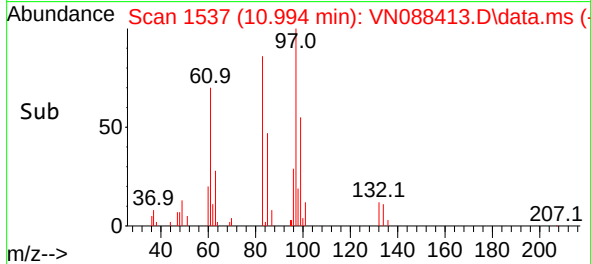
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 97 Resp: 17420
Ion Ratio Lower Upper
97 100
83 85.7 70.4 105.6
85 47.5 45.4 68.2
99 55.3 50.1 75.1

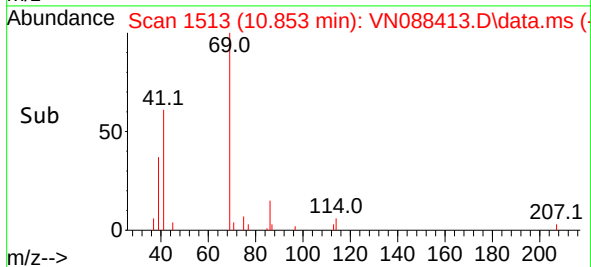
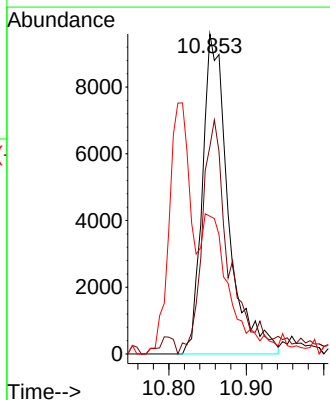
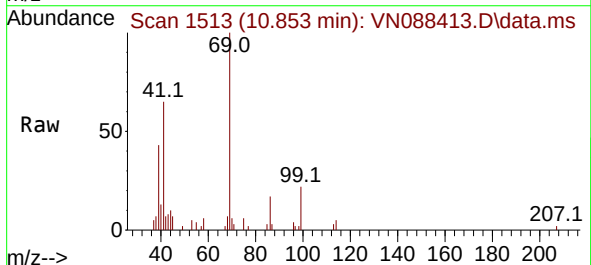
Manual Integrations
APPROVED

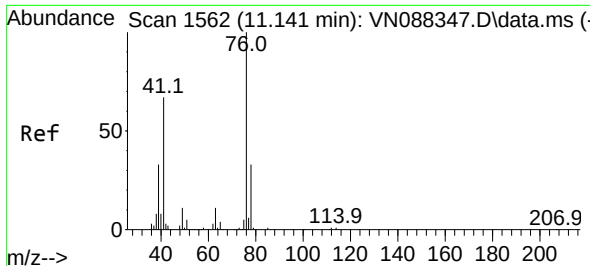
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#56
Ethyl methacrylate
Concen: 4.586 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion: 69 Resp: 22301
Ion Ratio Lower Upper
69 100
41 71.3 59.6 89.4
39 39.4 36.4 54.6





#57

1,3-Dichloropropane

Concen: 5.276 ug/l

RT: 11.141 min Scan# 1562

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion: 76 Resp: 29300

Ion Ratio Lower Upper

76 100

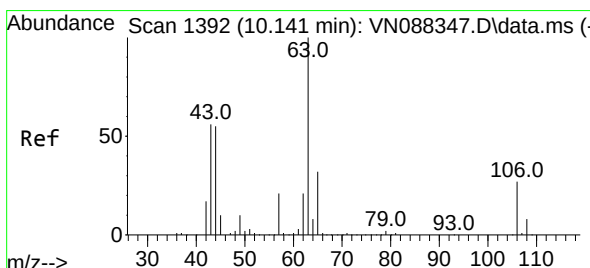
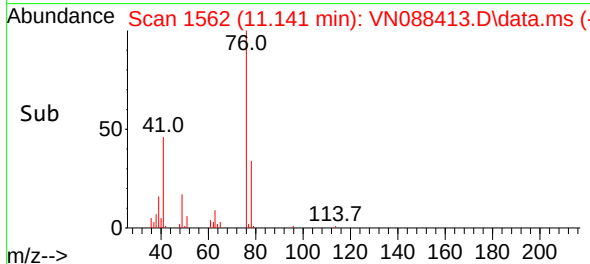
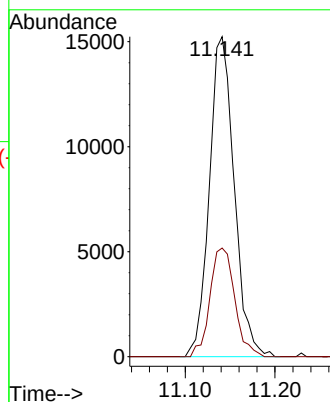
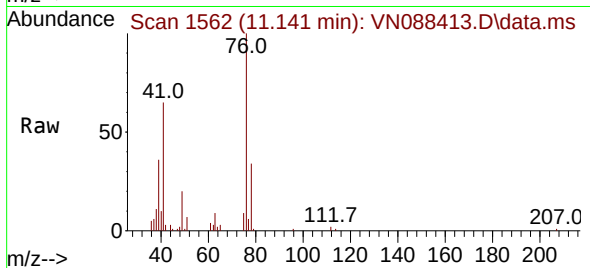
78 33.9 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 26.073 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VN088413.D

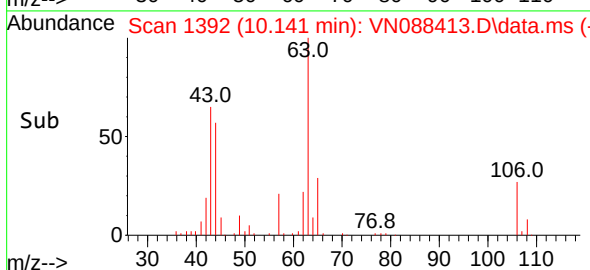
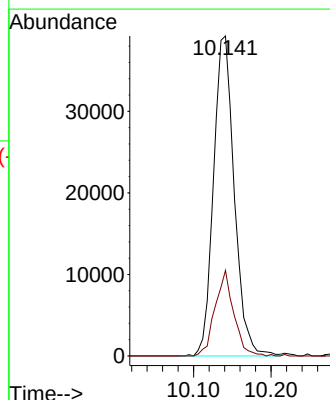
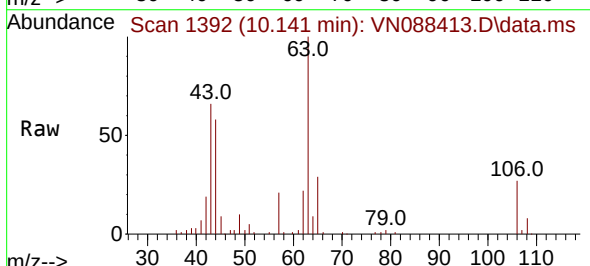
Acq: 02 Dec 2025 16:44

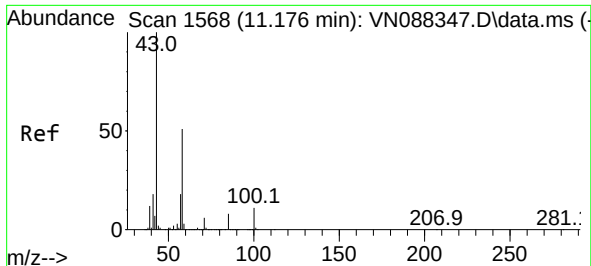
Tgt Ion: 63 Resp: 73090

Ion Ratio Lower Upper

63 100

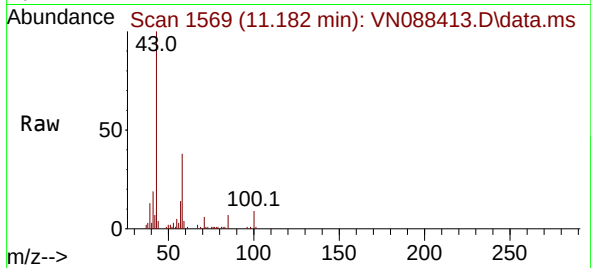
106 24.2 20.5 30.7





#59
2-Hexanone
Concen: 27.898 ug/l m
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

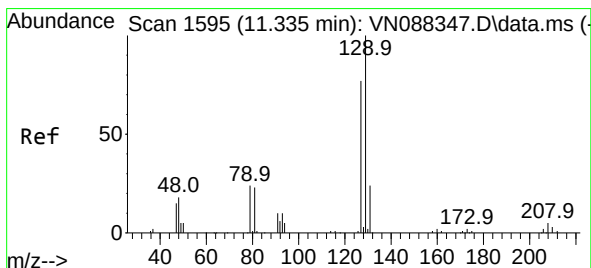
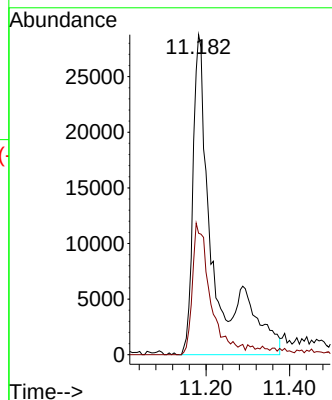
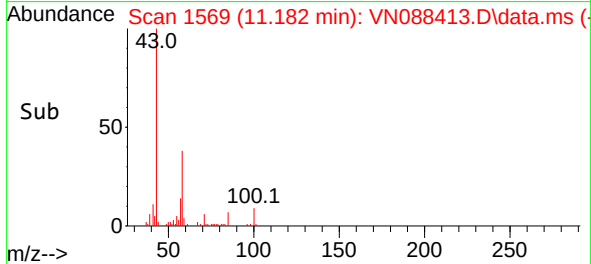
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 43 Resp: 97698
Ion Ratio Lower Upper
43 100
58 36.0 25.3 75.9

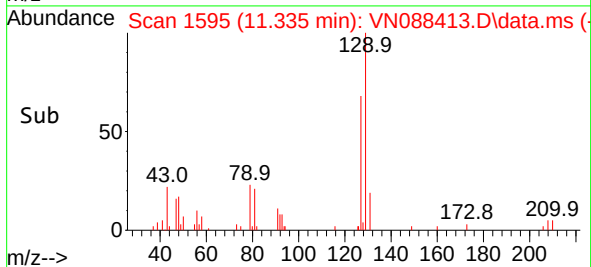
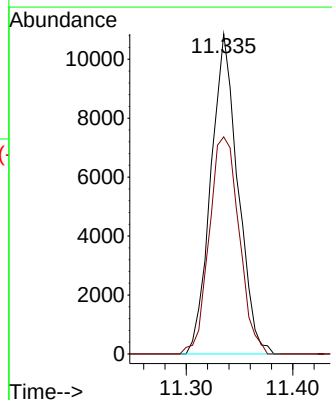
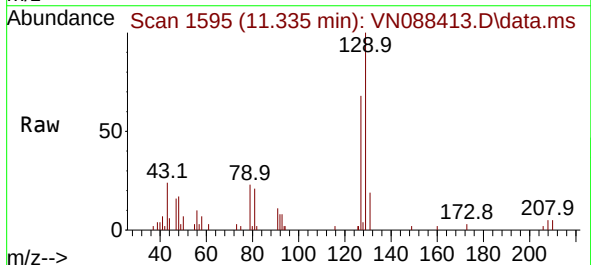
Manual Integrations
APPROVED

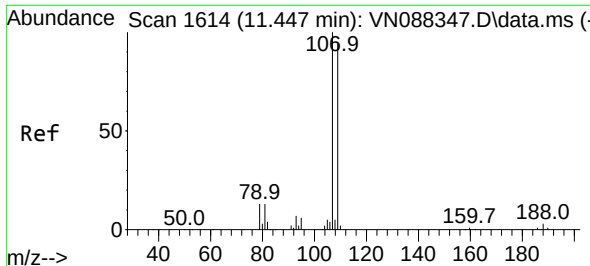
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#60
Dibromochloromethane
Concen: 5.454 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

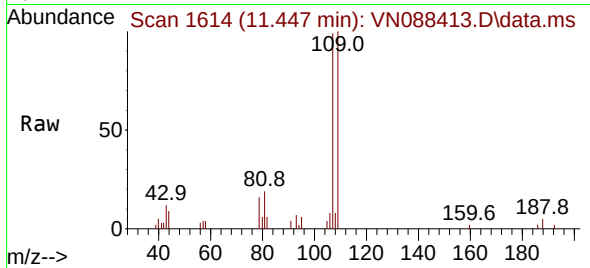
Tgt Ion:129 Resp: 19139
Ion Ratio Lower Upper
129 100
127 74.8 38.2 114.6





#61
1,2-Dibromoethane
Concen: 5.427 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

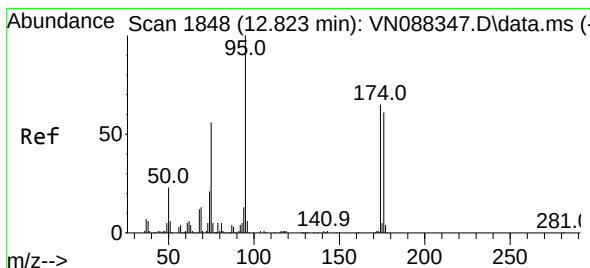
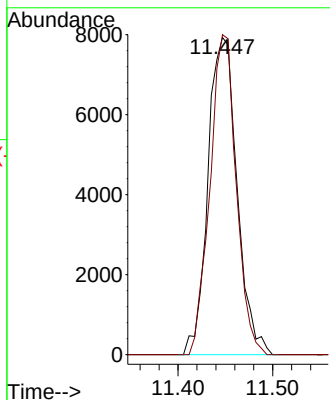
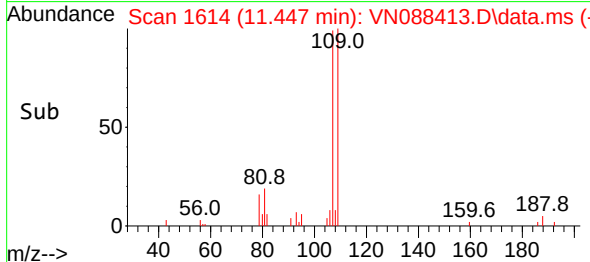
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:107 Resp: 16918
Ion Ratio Lower Upper
107 100
109 91.3 74.6 112.0

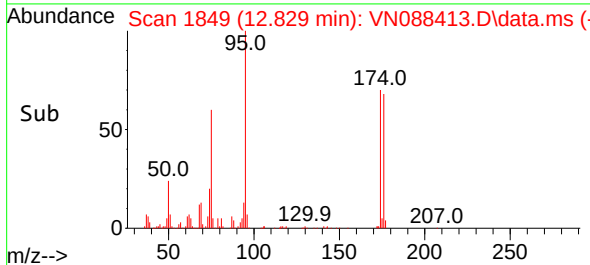
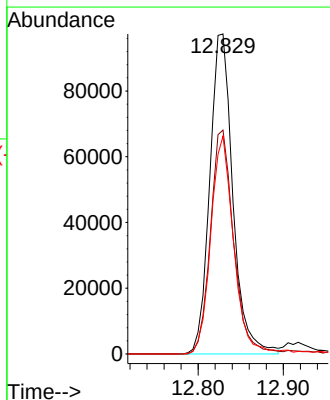
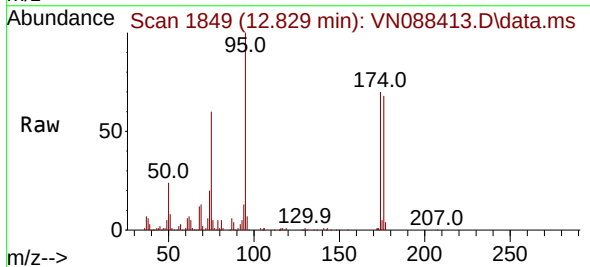
Manual Integrations
APPROVED

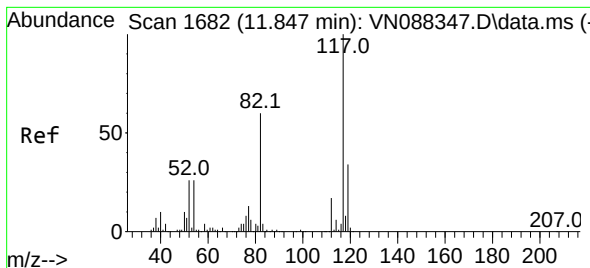
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#62
4-Bromofluorobenzene
Concen: 47.256 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion: 95 Resp: 183517
Ion Ratio Lower Upper
95 100
174 70.3 0.0 139.0
176 68.0 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:117 Resp: 396778

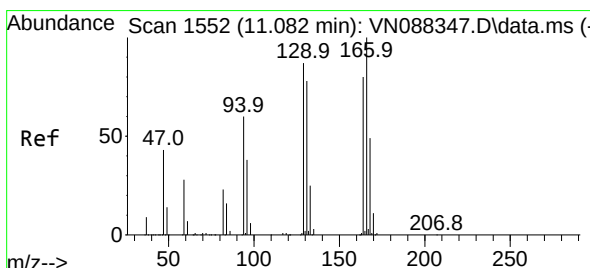
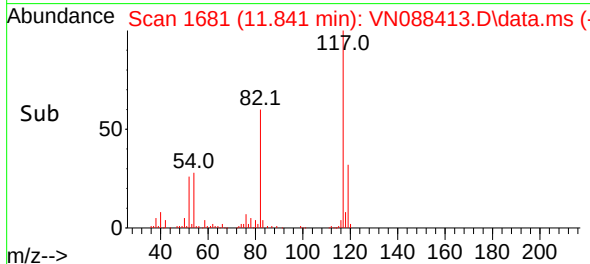
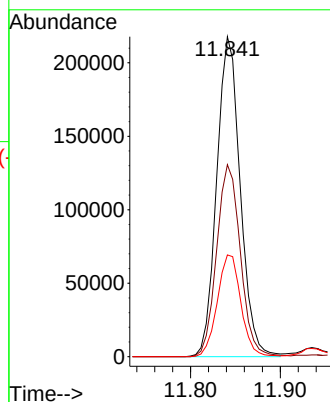
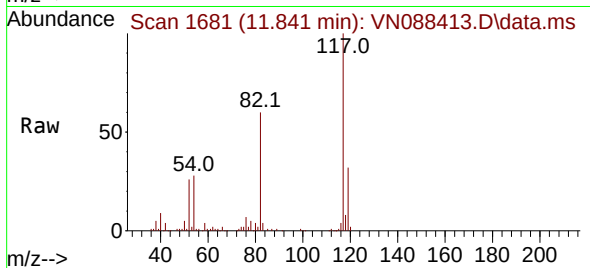
Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.8	71.8
119	31.8	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#64

Tetrachloroethene

Concen: 4.584 ug/l

RT: 11.076 min Scan# 1551

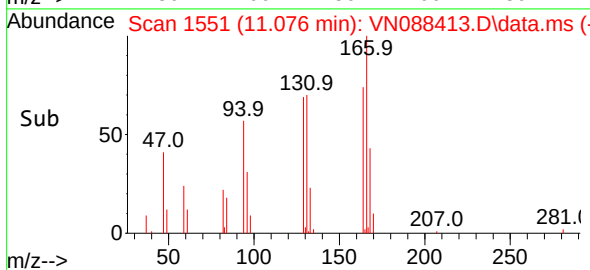
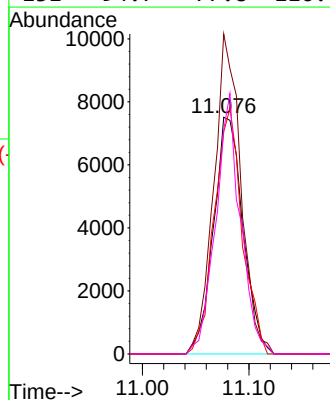
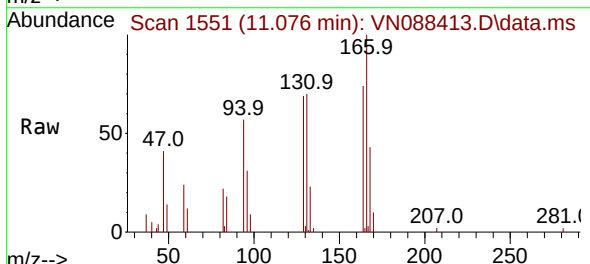
Delta R.T. -0.006 min

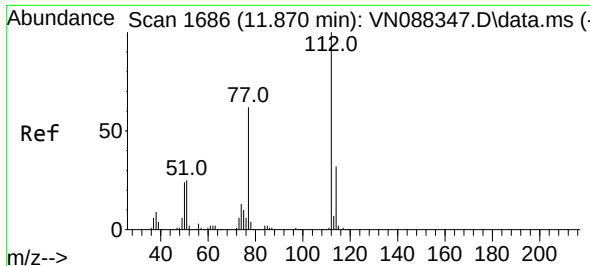
Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Tgt Ion:164 Resp: 14418

Ion	Ratio	Lower	Upper
164	100		
166	135.2	99.6	149.4
129	93.9	86.6	129.8
131	94.7	77.8	116.6





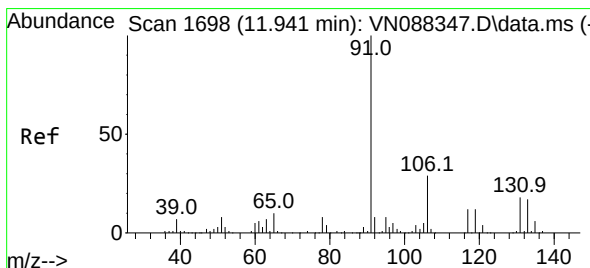
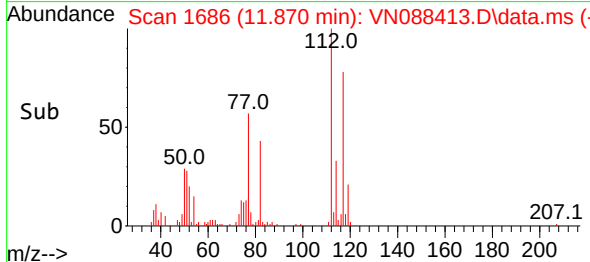
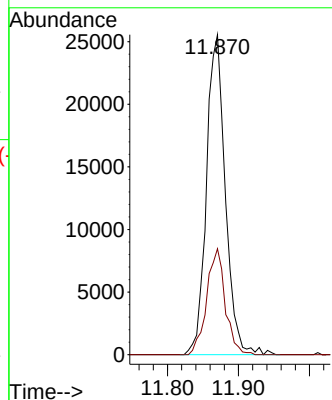
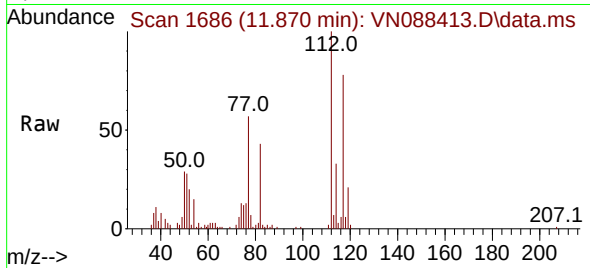
#65
Chlorobenzene
Concen: 5.303 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion:112 Resp: 47260
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.2

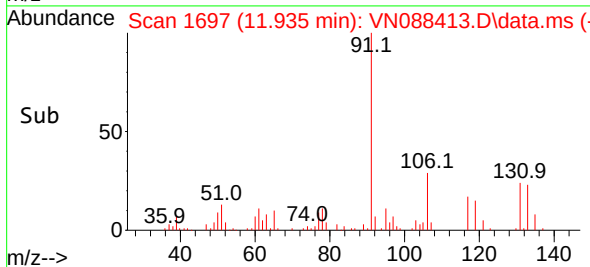
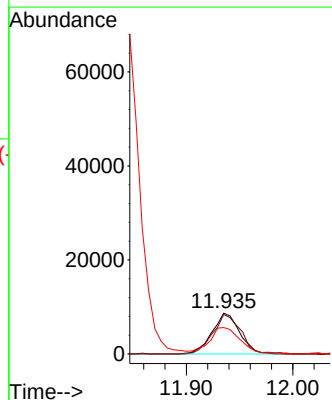
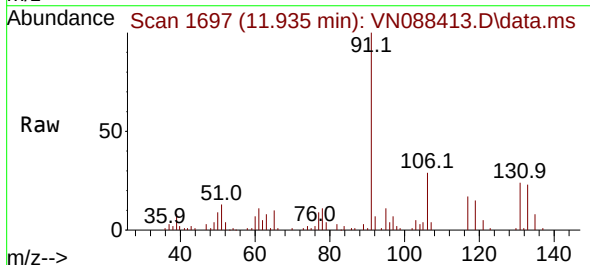
Manual Integrations
APPROVED

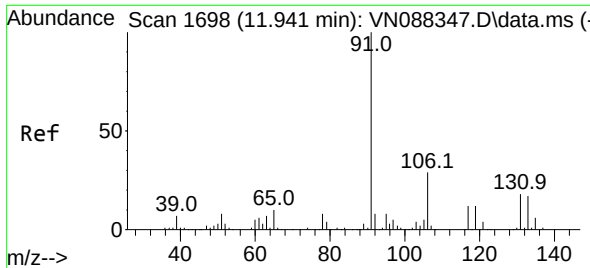
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.176 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:131 Resp: 15559
Ion Ratio Lower Upper
131 100
133 99.2 47.4 142.2
119 74.4 33.4 100.1





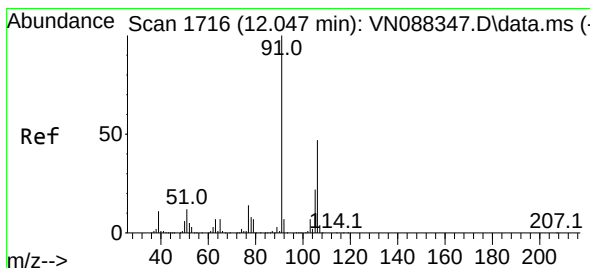
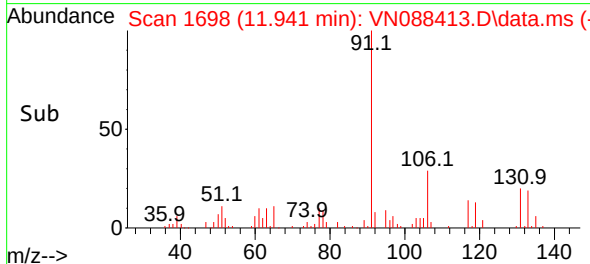
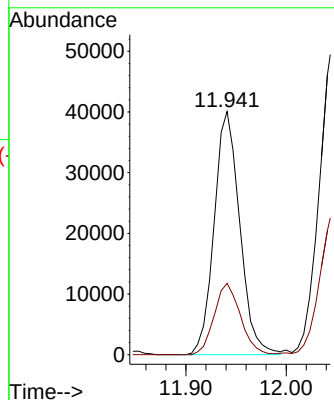
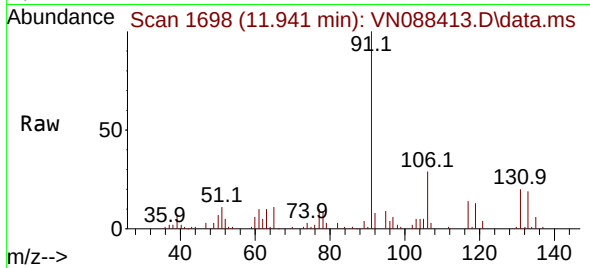
#67
Ethyl Benzene
Concen: 4.567 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 91 Resp: 71148
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

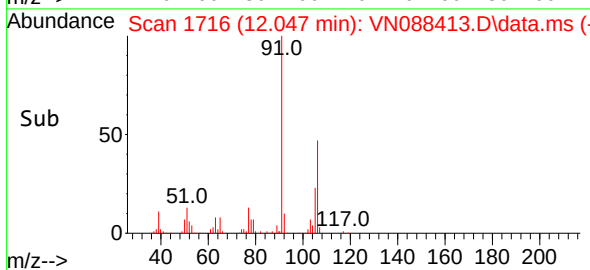
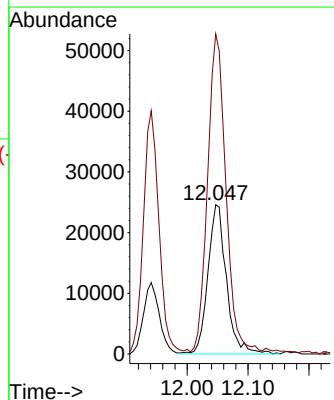
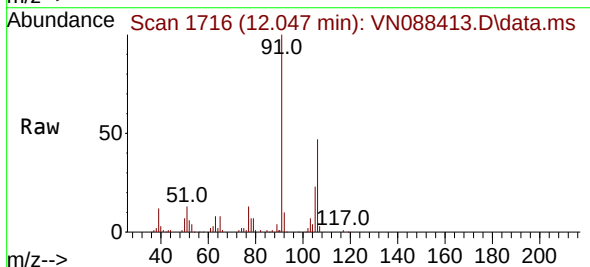
Manual Integrations
APPROVED

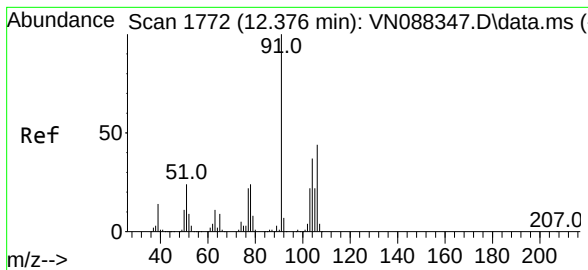
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#68
m/p-Xylenes
Concen: 9.006 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:106 Resp: 52014
Ion Ratio Lower Upper
106 100
91 209.2 167.8 251.6





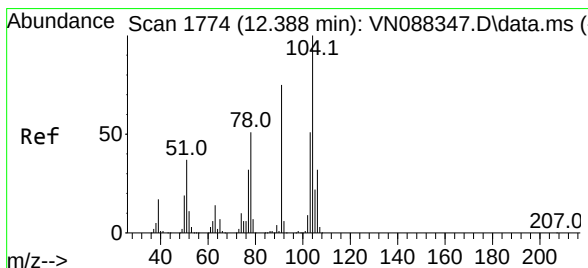
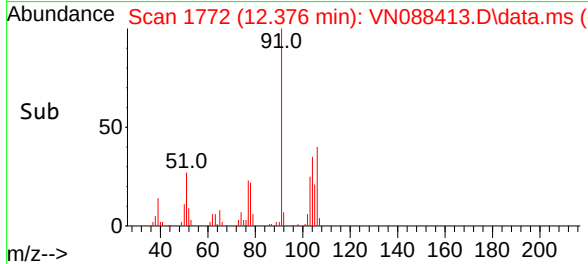
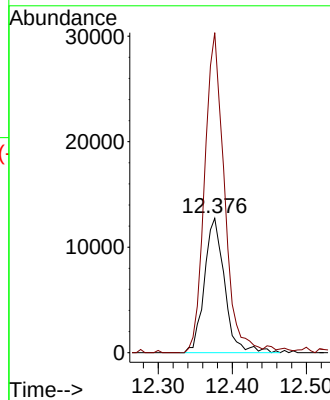
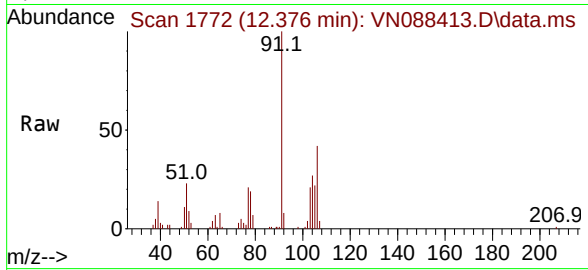
#69
o-Xylene
Concen: 4.384 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:106 Resp: 2414
Ion Ratio Lower Upper
106 100
91 231.9 112.9 338.7

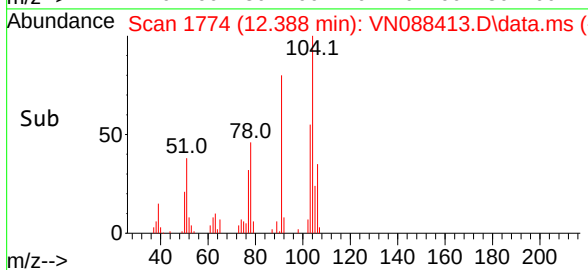
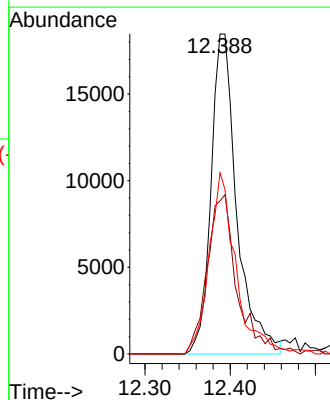
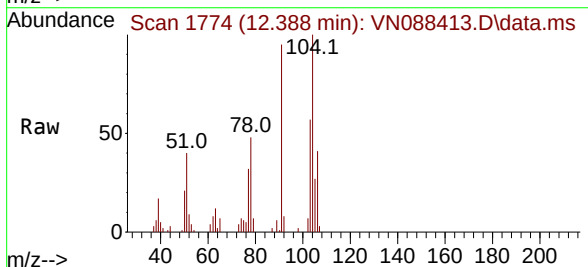
Manual Integrations
APPROVED

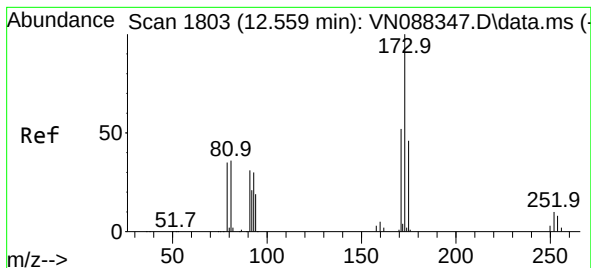
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#70
Styrene
Concen: 4.343 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:104 Resp: 38824
Ion Ratio Lower Upper
104 100
78 57.4 44.3 66.5
103 58.9 44.2 66.4





#71

Bromoform

Concen: 5.269 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

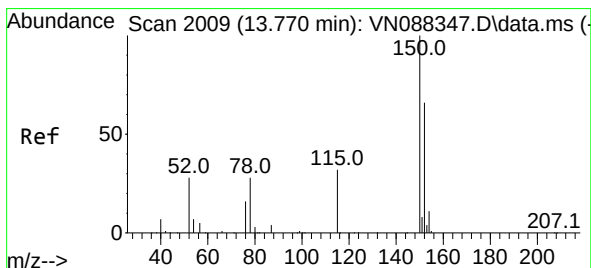
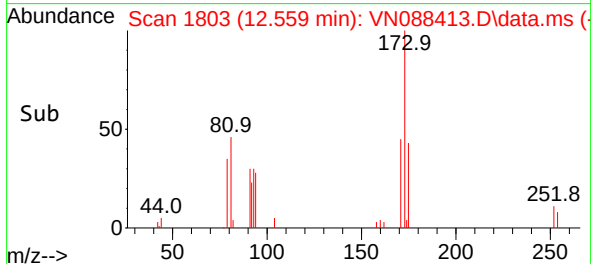
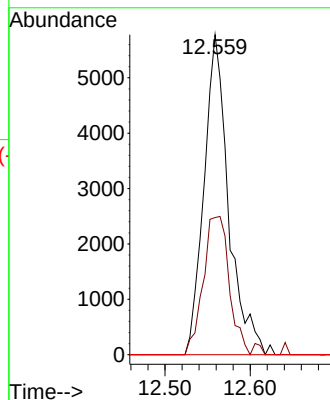
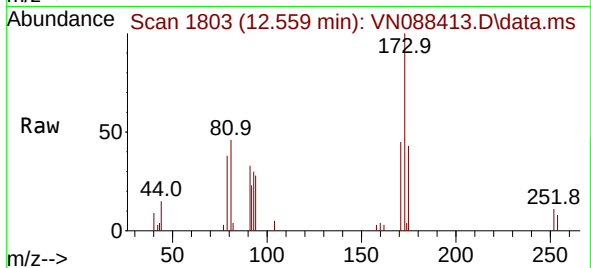
Tgt Ion:173 Resp: 11600
 Ion Ratio Lower Upper
 173 100
 175 45.6 23.9 71.8
 254 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

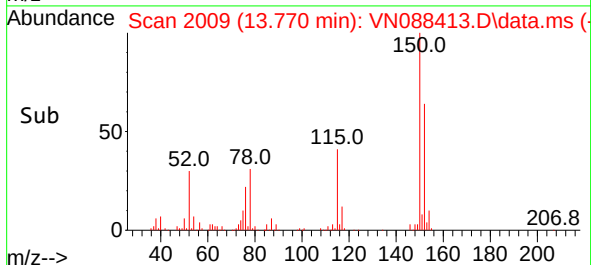
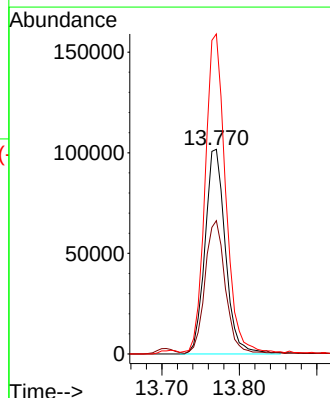
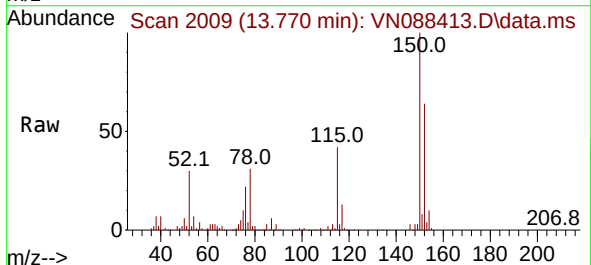
RT: 13.770 min Scan# 2009

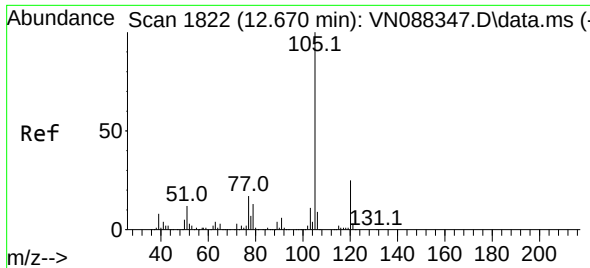
Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Tgt Ion:152 Resp: 186375
 Ion Ratio Lower Upper
 152 100
 115 64.8 33.0 98.9
 150 154.4 0.0 349.0





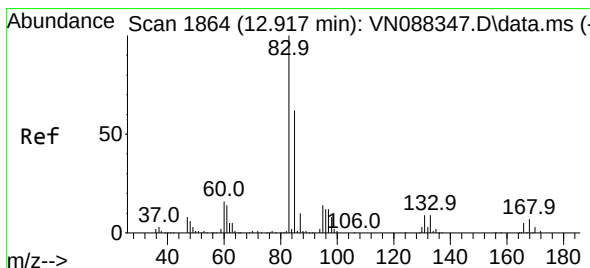
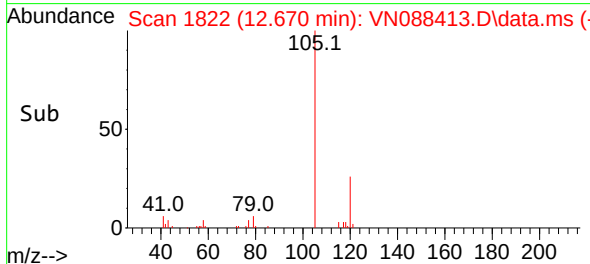
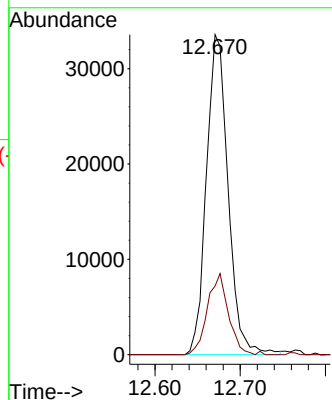
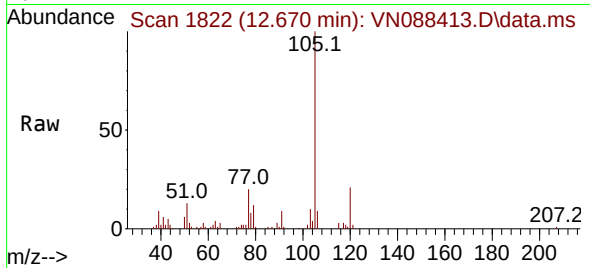
#73
Isopropylbenzene
Concen: 4.310 ug/l
RT: 12.670 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:105 Resp: 59392
Ion Ratio Lower Upper
105 100
120 24.5 12.8 38.3

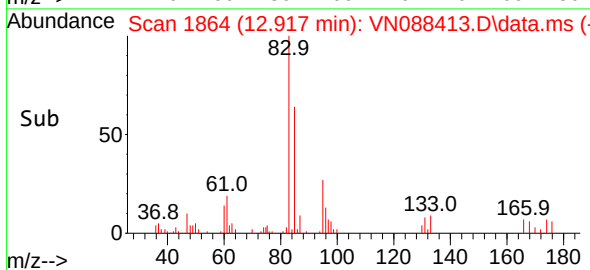
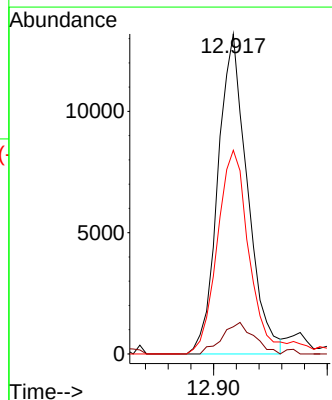
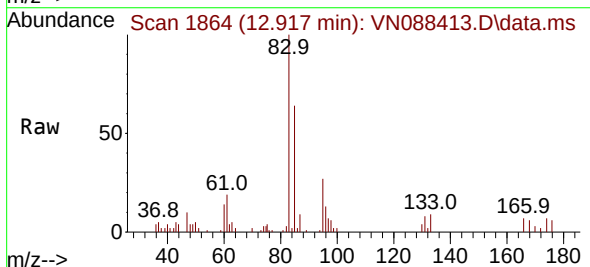
Manual Integrations
APPROVED

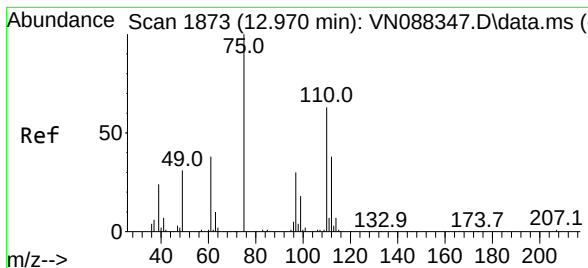
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 5.338 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

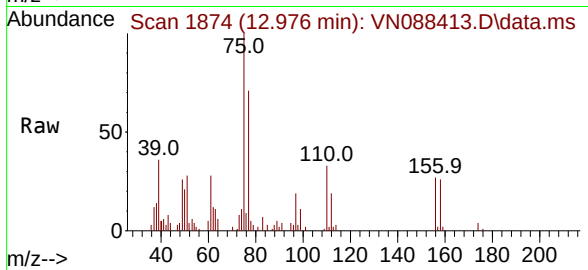
Tgt Ion: 83 Resp: 23780
Ion Ratio Lower Upper
83 100
131 10.6 4.8 14.4
85 70.5 32.1 96.5





#76
1,2,3-Trichloropropane
Concen: 4.857 ug/l m
RT: 12.976 min Scan# 1873
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

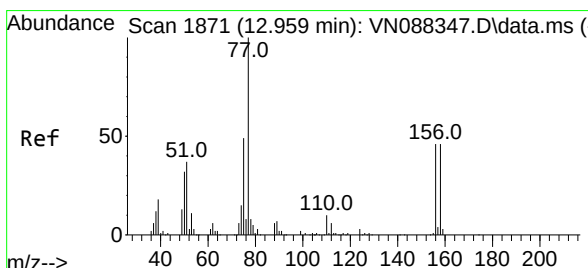
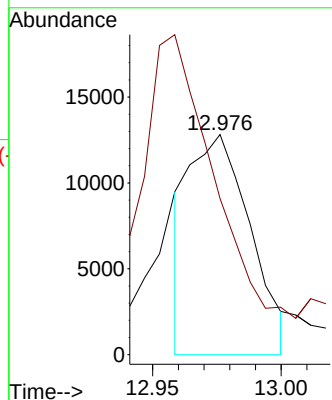
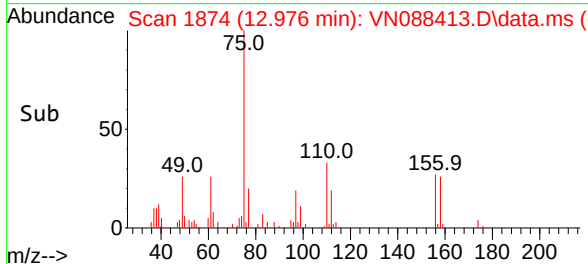
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion: 75 Resp: 2120
Ion Ratio Lower Upper
75 100
77 183.6 87.2 261.6

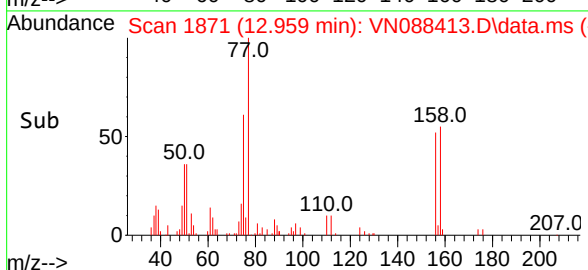
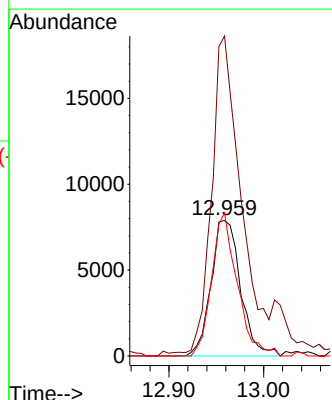
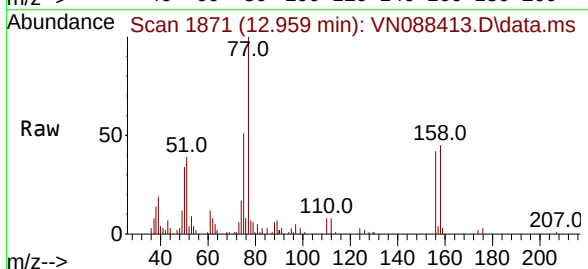
Manual Integrations
APPROVED

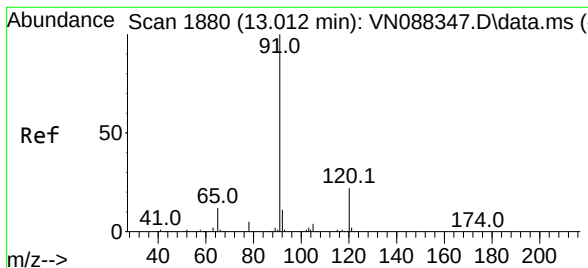
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#77
Bromobenzene
Concen: 5.405 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:156 Resp: 17041
Ion Ratio Lower Upper
156 100
77 228.5 121.6 364.7
158 91.8 48.6 145.8





#78

n-propylbenzene

Concen: 4.564 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

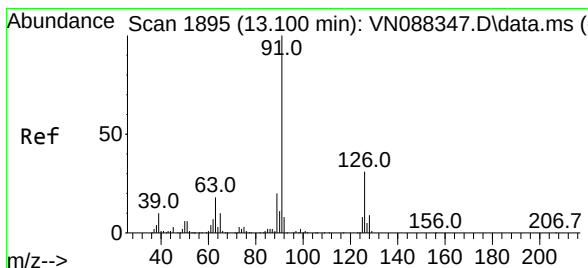
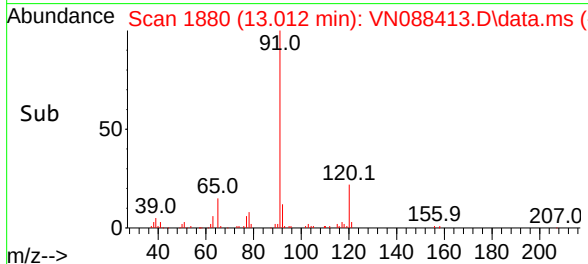
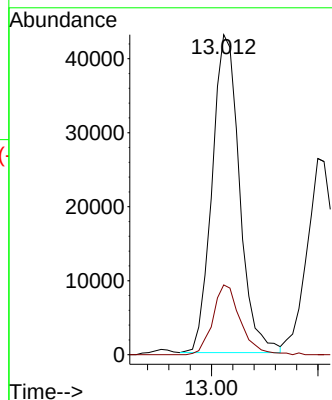
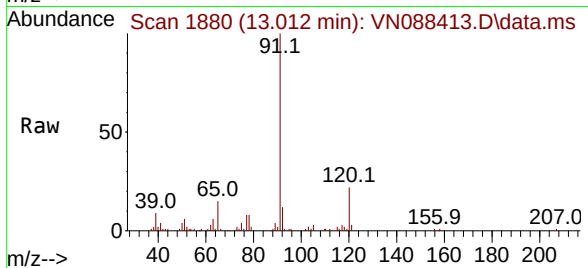
Tgt Ion: 91 Resp: 7694
 Ion Ratio Lower Upper
 91 100
 120 22.0 10.9 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#79

2-Chlorotoluene

Concen: 4.429 ug/l

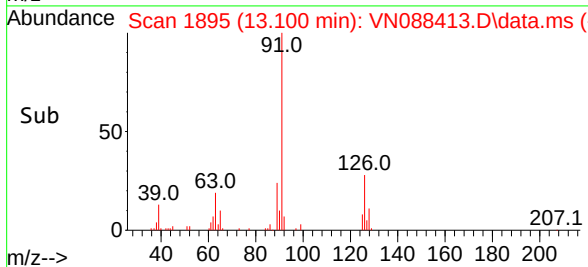
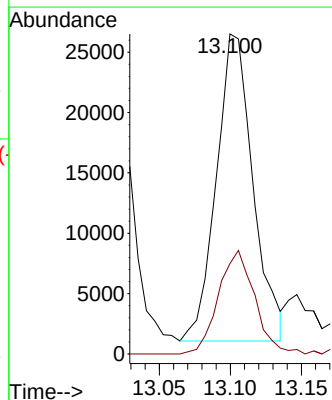
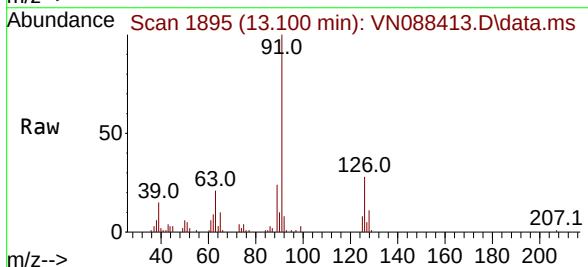
RT: 13.100 min Scan# 1895

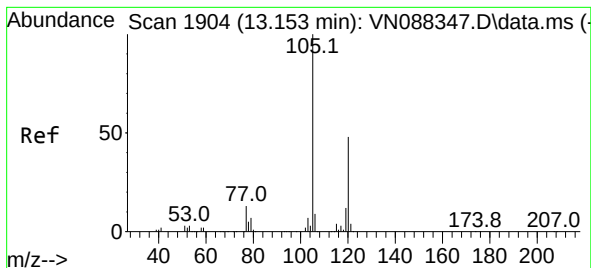
Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Tgt Ion: 91 Resp: 45595
 Ion Ratio Lower Upper
 91 100
 126 33.4 15.3 45.9





#80

1,3,5-Trimethylbenzene

Concen: 4.586 ug/l

RT: 13.147 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:105 Resp: 5236

Ion Ratio Lower Upper

105 100

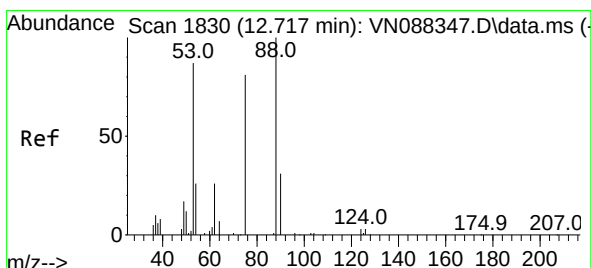
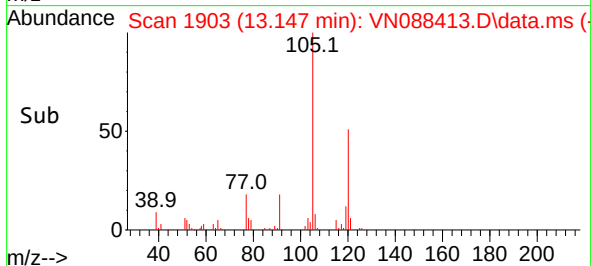
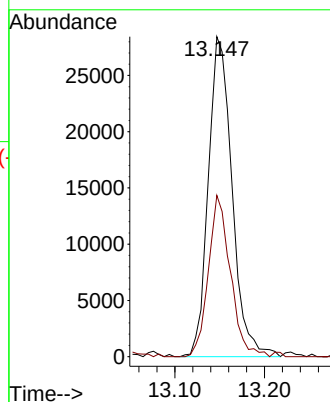
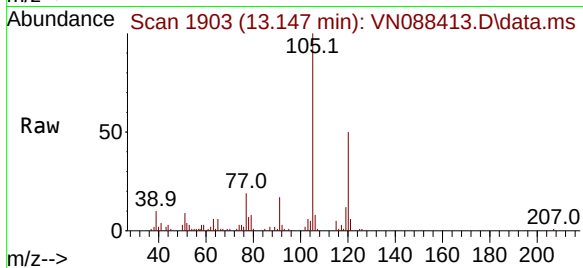
120 46.6 23.8 71.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#81

trans-1,4-Dichloro-2-butene

Concen: 4.205 ug/l m

RT: 12.723 min Scan# 1831

Delta R.T. 0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

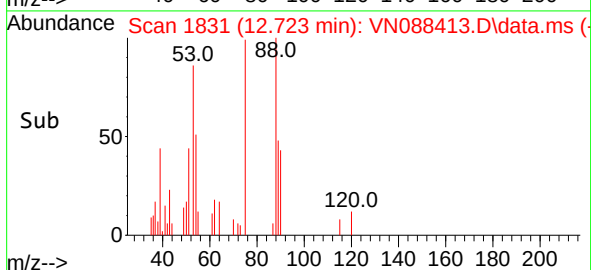
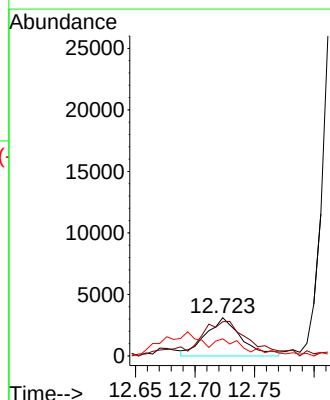
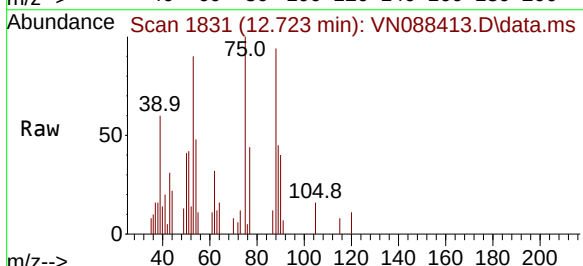
Tgt Ion: 75 Resp: 6470

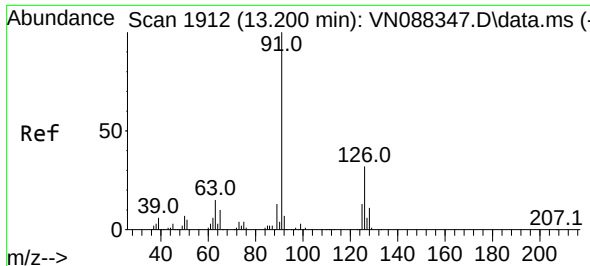
Ion Ratio Lower Upper

75 100

53 135.1 92.2 138.4

89 41.2 0.0 0.0#





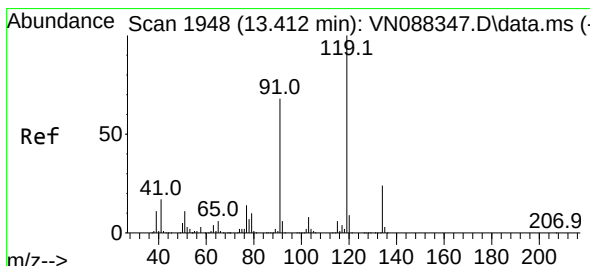
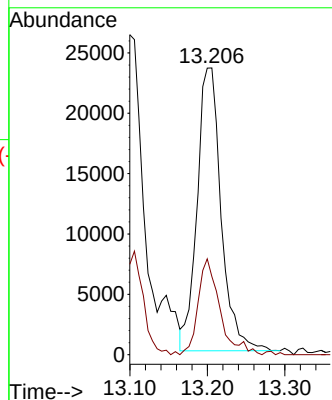
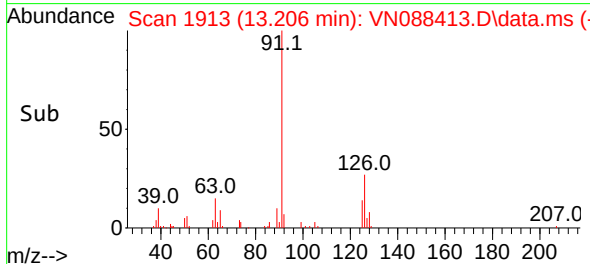
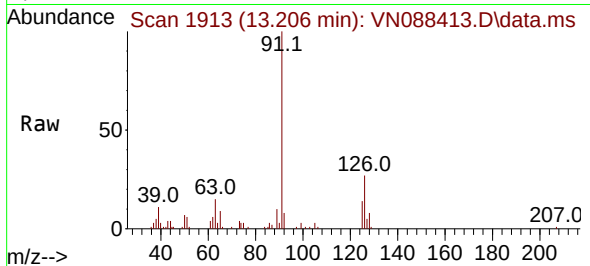
#82
4-Chlorotoluene
Concen: 4.944 ug/l
RT: 13.206 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion: 91 Resp: 5055
Ion Ratio Lower Upper
91 100
126 30.5 15.6 46.7

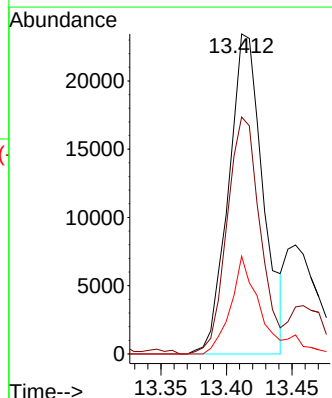
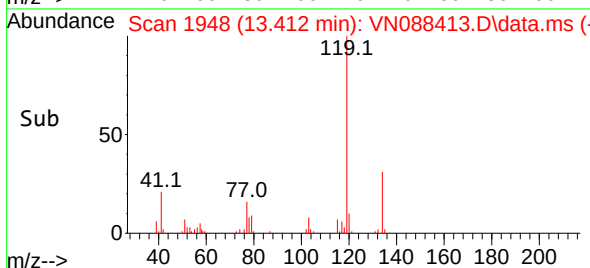
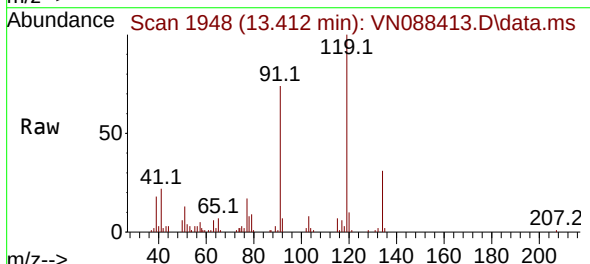
Manual Integrations
APPROVED

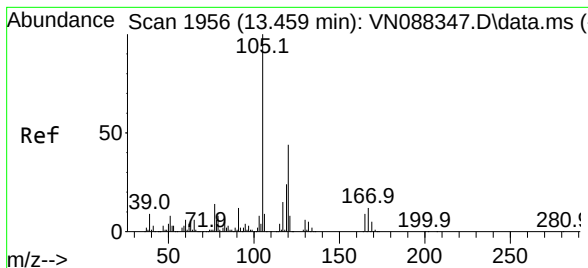
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#83
tert-Butylbenzene
Concen: 4.419 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:119 Resp: 42891
Ion Ratio Lower Upper
119 100
91 71.1 35.1 105.3
134 27.7 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 4.570 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

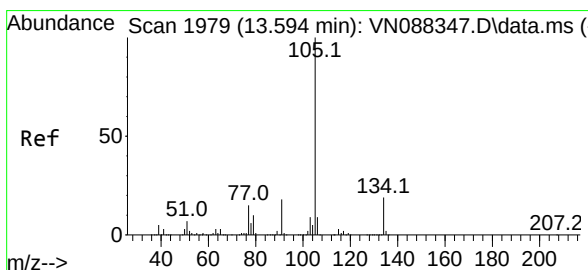
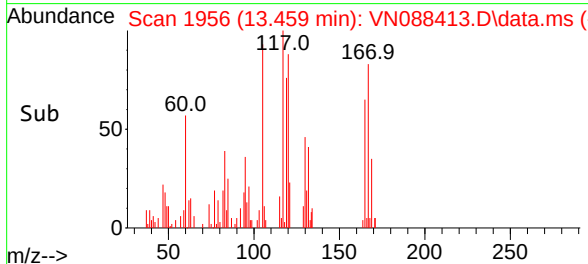
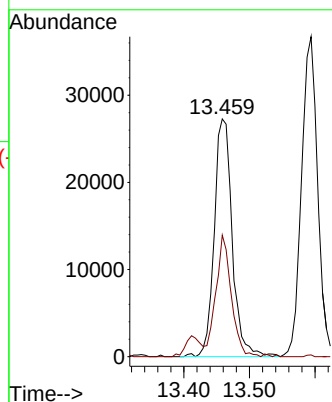
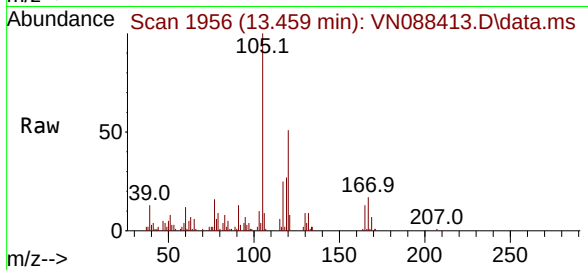
Tgt Ion:105 Resp: 5187
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#85

sec-Butylbenzene

Concen: 4.519 ug/l

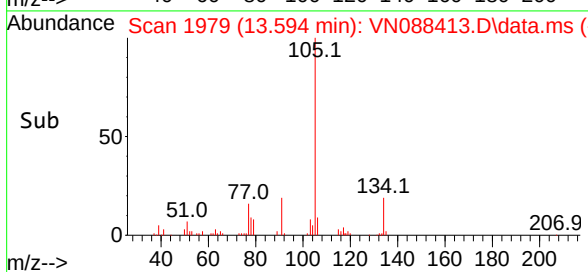
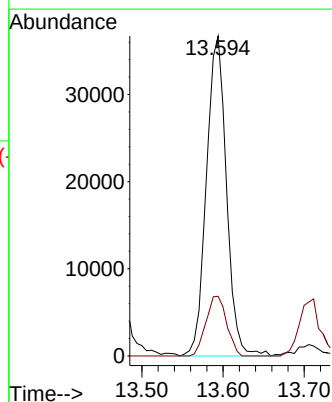
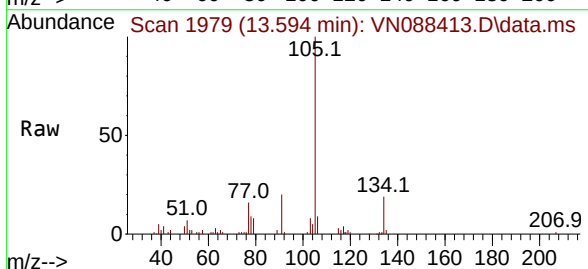
RT: 13.594 min Scan# 1979

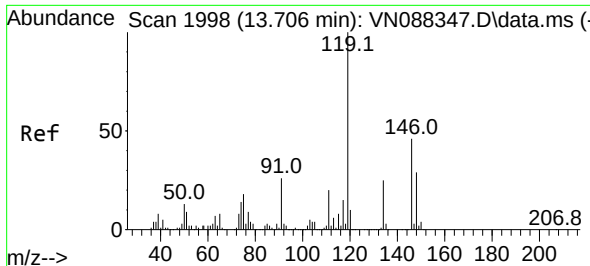
Delta R.T. -0.000 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Tgt Ion:105 Resp: 63022
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.5 28.5





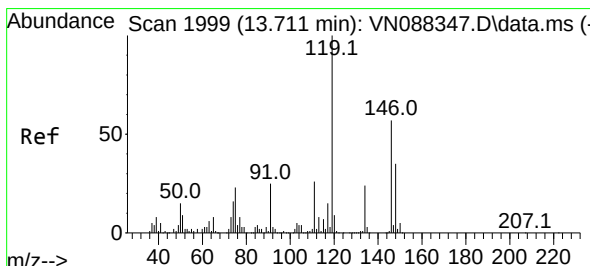
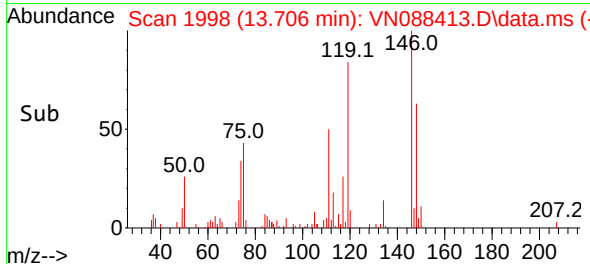
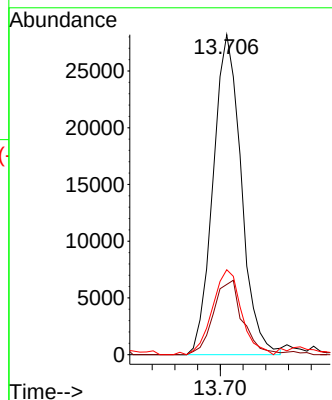
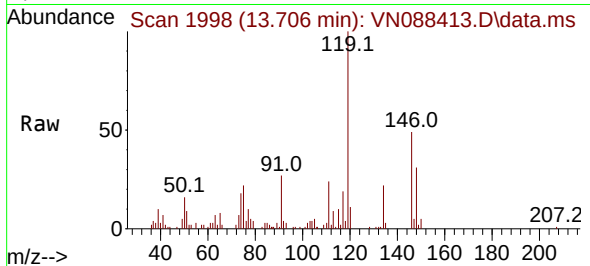
#86
p-Isopropyltoluene
Concen: 4.250 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:119 Resp: 48602
Ion Ratio Lower Upper
119 100
134 24.1 12.2 36.6
91 27.3 13.0 39.0

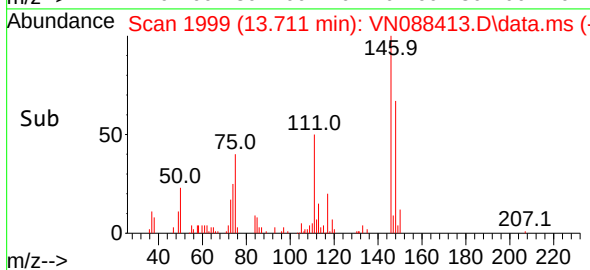
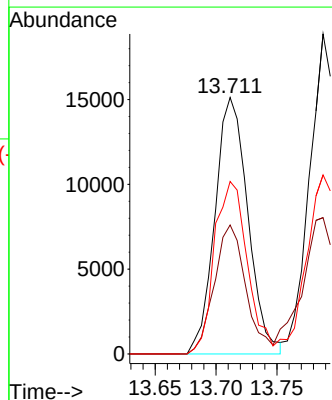
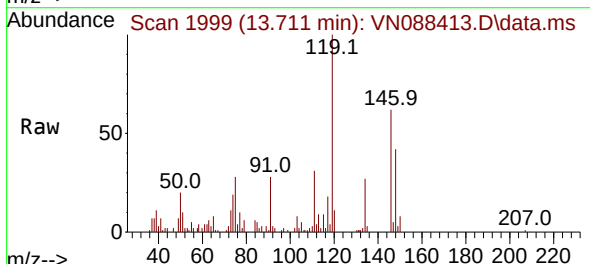
Manual Integrations
APPROVED

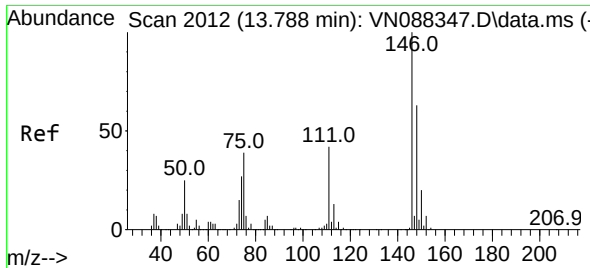
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#87
1,3-Dichlorobenzene
Concen: 4.640 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion:146 Resp: 28481
Ion Ratio Lower Upper
146 100
111 48.3 22.4 67.0
148 67.3 31.6 94.8





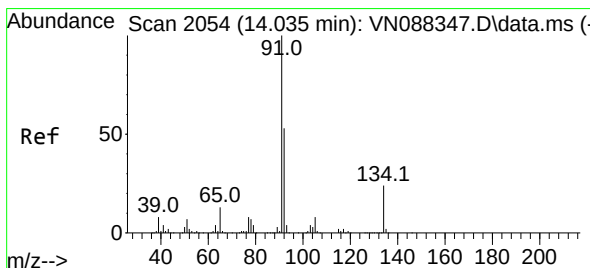
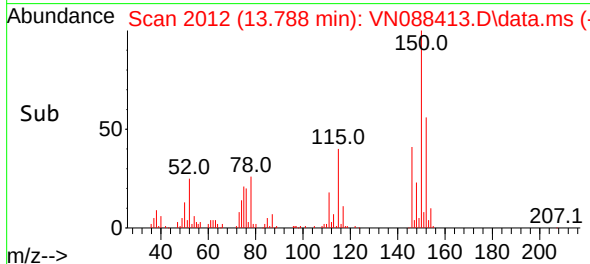
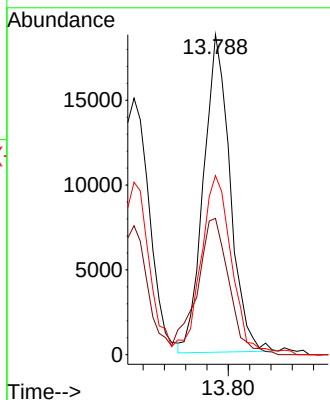
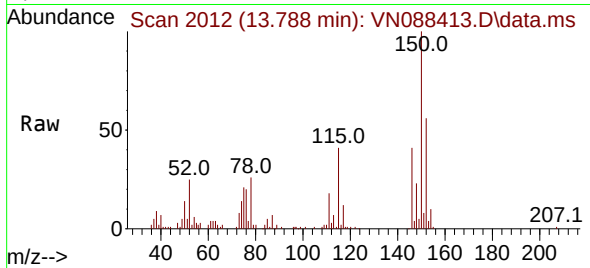
#88
1,4-Dichlorobenzene
Concen: 5.041 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025

Tgt Ion:146 Resp: 32410
Ion Ratio Lower Upper
146 100
111 51.9 21.6 64.6
148 63.9 31.0 93.0

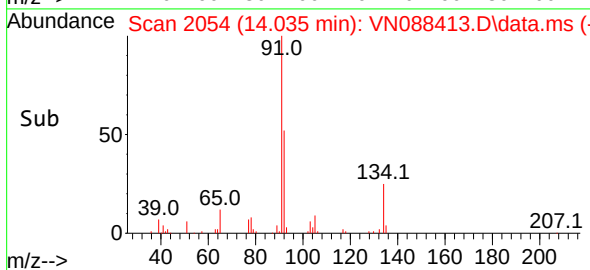
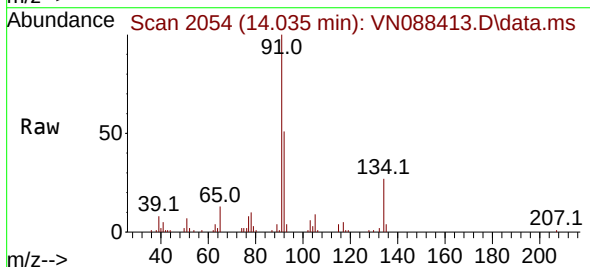
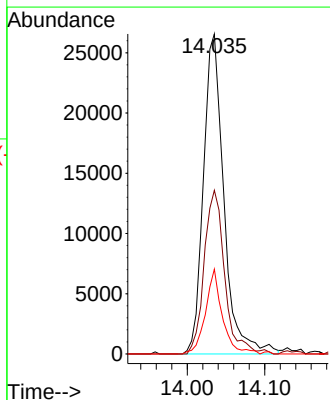
Manual Integrations
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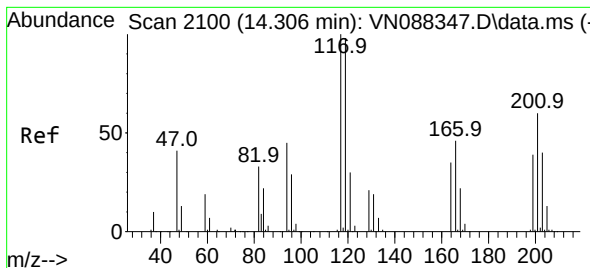
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#89
n-Butylbenzene
Concen: 4.392 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Tgt Ion: 91 Resp: 48768
Ion Ratio Lower Upper
91 100
92 51.2 26.1 78.3
134 21.8 11.7 35.1





#90

Hexachloroethane

Concen: 5.350 ug/l

RT: 14.311 min Scan# 2101

Delta R.T. 0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2025

Tgt Ion:117 Resp: 1117

Ion Ratio Lower Upper

117 100

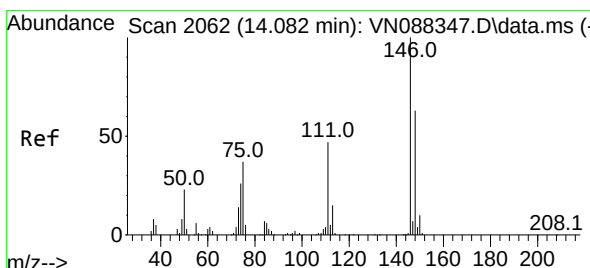
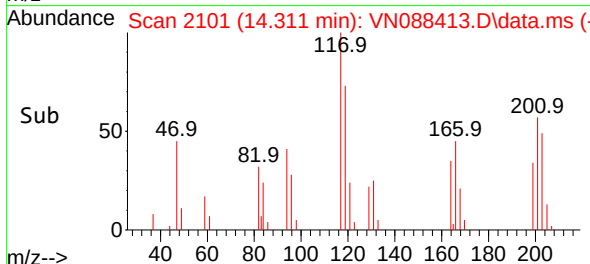
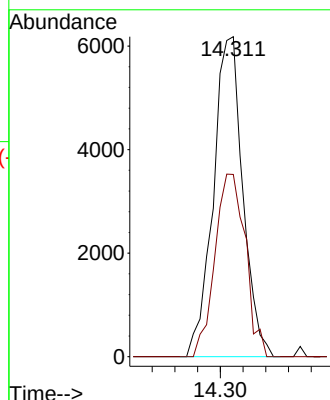
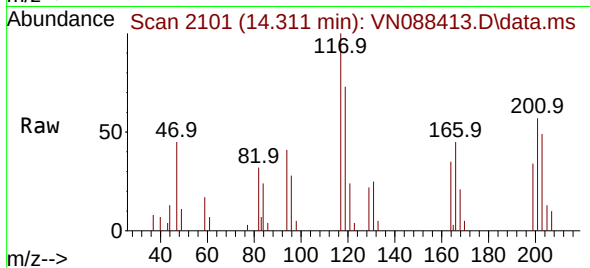
201 58.7 30.3 90.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#91

1,2-Dichlorobenzene

Concen: 4.923 ug/l

RT: 14.088 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VN088413.D

Acq: 02 Dec 2025 16:44

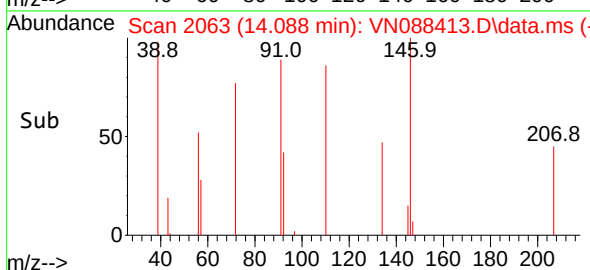
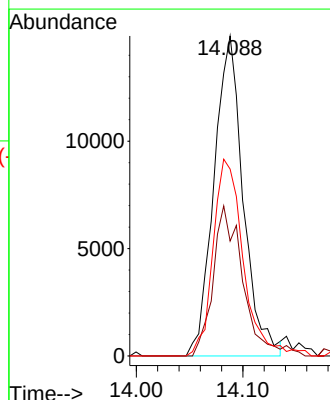
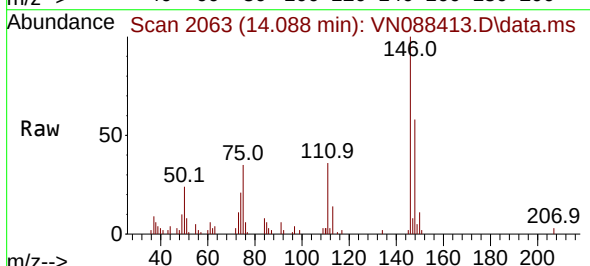
Tgt Ion:146 Resp: 28434

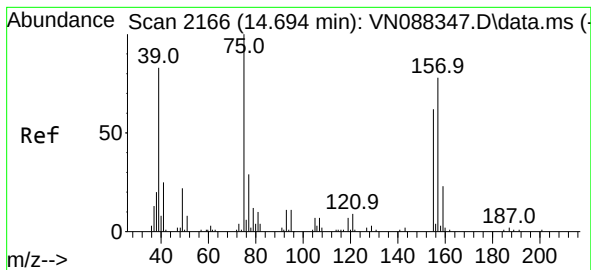
Ion Ratio Lower Upper

146 100

111 47.9 23.3 69.9

148 63.6 31.8 95.4





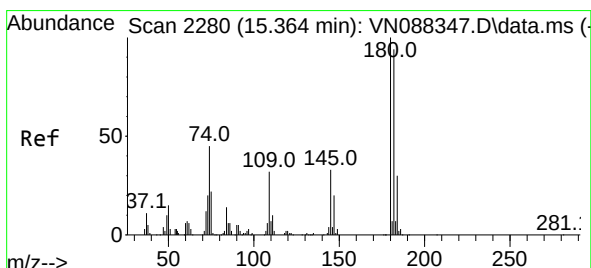
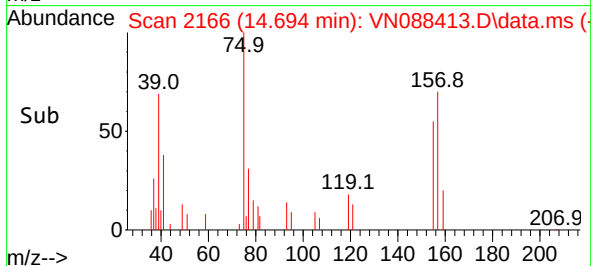
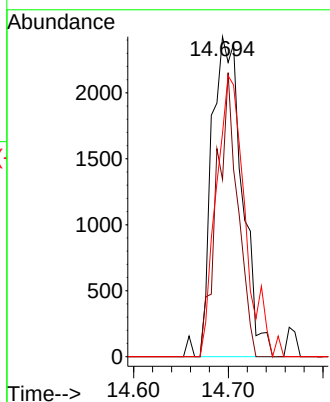
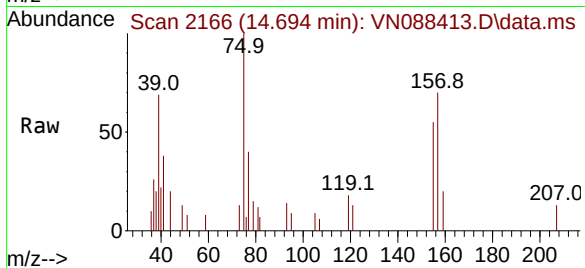
#92
1,2-Dibromo-3-Chloropropane
Concen: 5.000 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2025

Tgt Ion: 75 Resp: 540
Ion Ratio Lower Upper
75 100
155 61.3 33.7 101.1
157 83.6 43.8 131.3

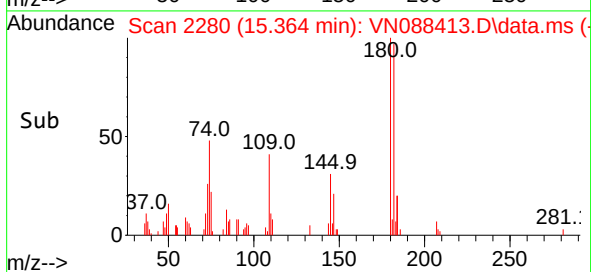
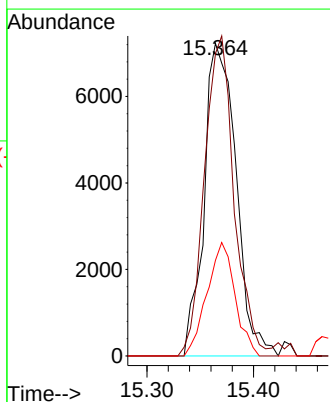
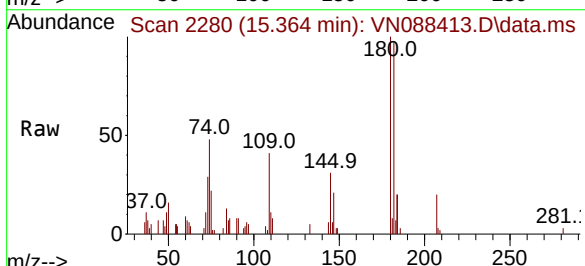
Manual Integrations
APPROVED

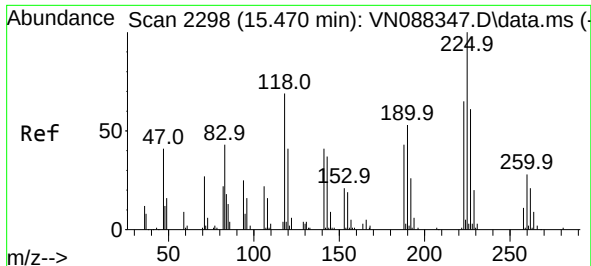
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#93
1,2,4-Trichlorobenzene
Concen: 4.382 ug/l
RT: 15.364 min Scan# 2280
Delta R.T. 0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

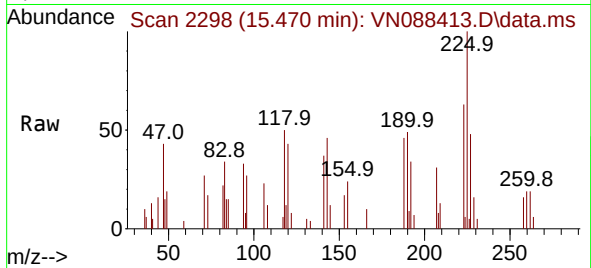
Tgt Ion:180 Resp: 15040
Ion Ratio Lower Upper
180 100
182 95.0 46.1 138.2
145 31.9 16.7 50.1





#94
Hexachlorobutadiene
Concen: 4.649 ug/l
RT: 15.470 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

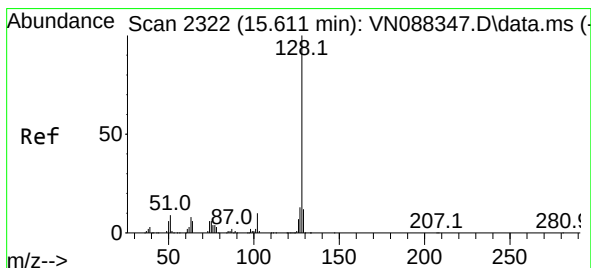
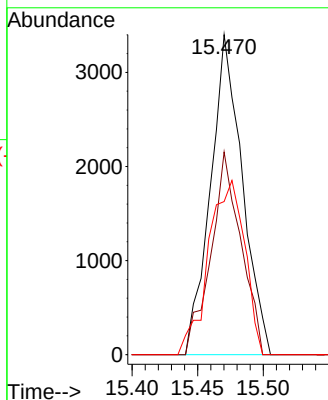
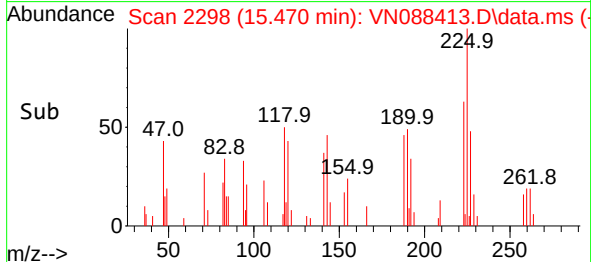
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2025



Tgt Ion:225 Resp: 573
Ion Ratio Lower Upper
225 100
223 59.8 32.3 96.8
227 62.0 29.9 89.8

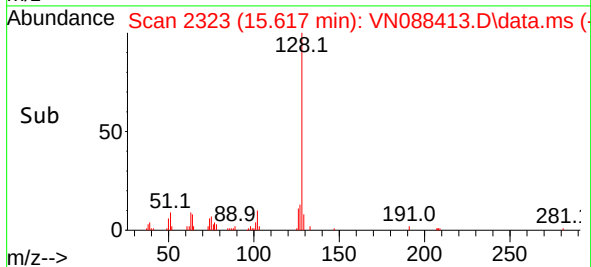
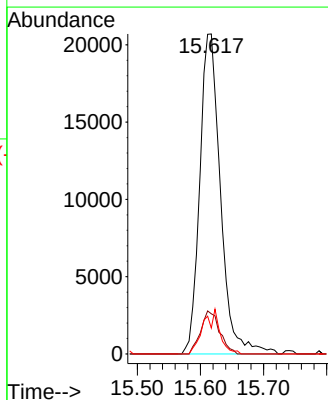
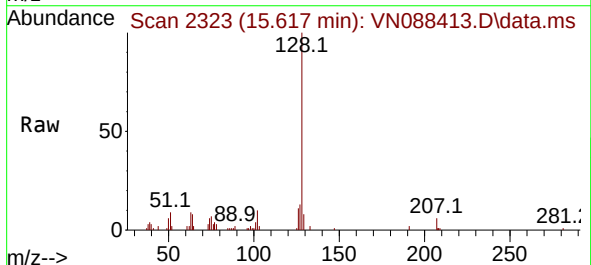
Manual Integrations
APPROVED

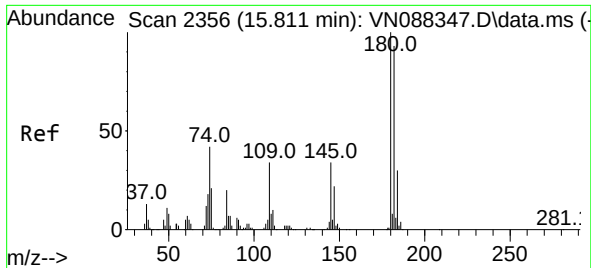
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#95
Naphthalene
Concen: 3.985 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN088413.D
Acq: 02 Dec 2025 16:44

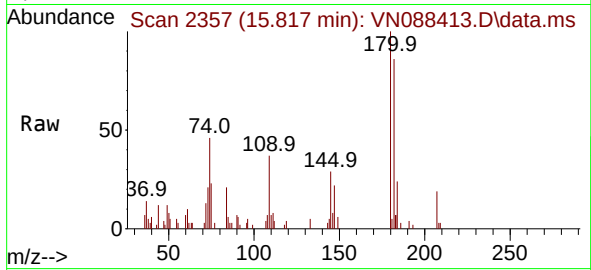
Tgt Ion:128 Resp: 47394
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 11.2 9.0 13.6





#96
 1,2,3-Trichlorobenzene
 Concen: 4.600 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN088413.D
 Acq: 02 Dec 2025 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2025



Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.3	45.9	137.7
145	35.0	17.8	53.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

