

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088360.D
 Acq On : 25 Nov 2025 14:06
 Operator : JC\MD
 Sample : Q3700-02MS 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Quant Time: Nov 26 00:19:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/26/2025
 Supervised By : Mahesh Dadoda 11/26/2025

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

Internal Standards						
1) Bromochloromethane	7.806	128	50762m	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.082	114	258609	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	233753	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	134612	29.031	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.767%		
60) 4-Bromofluorobenzene	12.829	95	111794	28.292	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.300%		
63) Toluene-d8	10.547	98	336421	30.399	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.333%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	69954	19.604	ug/l	98
3) Chloromethane	2.383	50	74716	20.308	ug/l	99
4) Vinyl Chloride	2.536	62	76320	19.619	ug/l	99
5) Bromomethane	2.977	94	34934	16.842	ug/l	96
6) Chloroethane	3.142	64	45938	19.105	ug/l	96
7) Trichlorofluoromethane	3.518	101	108100	19.821	ug/l	96
8) Diethyl Ether	3.959	74	40604	19.919	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	56717	19.823	ug/l	97
10) 1,1-Dichloroethene	4.336	96	55886	20.021	ug/l	94
11) Methyl Iodide	4.583	142	53601	18.044	ug/l	95
12) Methyl Acetate	5.018	43	101181	22.469	ug/l	92
13) Acrolein	4.171	56	115422	174.207	ug/l	98
14) Acrylonitrile	5.712	53	221452	108.224	ug/l	98
15) Acetone	4.418	58	150287	251.151	ug/l	92
16) Carbon Disulfide	4.706	76	177840	18.891	ug/l	99
17) Allyl chloride	5.018	41	101631	18.736	ug/l	98
18) Methylene Chloride	5.265	84	70431	20.300	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	64621	19.881	ug/l	97
20) Diisopropyl ether	6.659	45	242680	20.937	ug/l	93
21) 1,1-Dichloroethane	6.559	63	130129	19.927	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	75377	19.952	ug/l	98
23) tert-Butyl Alcohol	5.512	59	87740	116.610	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	222827	19.799	ug/l #	74
25) Chloroform	7.947	83	152785	23.611	ug/l	95
26) Cyclohexane	8.235	56	98103	17.785	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	87488	20.275	ug/l	99
30) 2-Butanone	7.471	43	334427	119.814	ug/l	99
31) 2,2-Dichloropropane	7.471	77	107052	20.115	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	110515	20.776	ug/l	98
33) Carbon Tetrachloride	8.347	117	90748	19.978	ug/l	90
34) Benzene	8.588	78	274298	21.267	ug/l	99
35) Methacrylonitrile	7.759	41	63362	21.763	ug/l	91
36) 1,2-Dichloroethane	8.653	62	104772	20.873	ug/l	97
37) Trichloroethene	9.329	130	63845	21.843	ug/l	96
38) Methylcyclohexane	9.577	83	93346	18.869	ug/l	99
39) 1,2-Dichloropropane	9.600	63	69909	21.009	ug/l	94
40) Dibromomethane	9.688	93	51823	21.676	ug/l	99
41) Bromodichloromethane	9.871	83	107177	22.268	ug/l	98
42) Vinyl Acetate	6.588	43	1092298	117.250	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	122432	21.800	ug/l	99
44) Isopropyl Acetate	8.677	43	192868	22.284	ug/l	100
45) 1,4-Dioxane	9.677	88	29180	559.864	ug/l #	89
46) Methyl methacrylate	9.665	41	86691	21.405	ug/l	95
47) n-amyl Acetate	12.665	43	100705m	22.962	ug/l	
48) t-1,3-Dichloropropene	10.818	75	104159	20.233	ug/l	95
49) cis-1,3-Dichloropropene	10.288	75	107404	20.052	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	65293	22.086	ug/l	94
51) Ethyl methacrylate	10.853	69	95271	19.587	ug/l	95
52) 1,3-Dichloropropane	11.141	76	115419	21.437	ug/l	99
53) Dibromochloromethane	11.335	129	72019	21.208	ug/l	97
54) 1,2-Dibromoethane	11.447	107	66715	21.719	ug/l	98
55) 2-Chloroethyl vinyl ether	10.147	63	4636m	1.655	ug/l	
56) Bromoform	12.559	173	44780	20.834	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	627398	118.670	ug/l	99
59) 2-Hexanone	11.176	43	407703	116.133	ug/l	98
61) Tetrachloroethene	11.082	164	55543	23.047	ug/l	88
62) Toluene	10.606	91	281612	20.994	ug/l	99
64) Chlorobenzene	11.871	112	173548	20.890	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.935	131	60366	21.229	ug/l	96
66) Ethyl Benzene	11.941	91	290884	19.675	ug/l	99
67) m/p-Xylenes	12.047	106	221392	40.044	ug/l	100
68) o-Xylene	12.376	106	104910	20.115	ug/l	96
69) Styrene	12.388	104	178508	20.152	ug/l	96
70) Isopropylbenzene	12.676	105	266241	19.262	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	93412	20.864	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	96143m	22.166	ug/l	
73) Bromobenzene	12.959	156	65258	20.913	ug/l	97
74) n-propylbenzene	13.012	91	338382	19.782	ug/l	100
75) 2-Chlorotoluene	13.100	91	201658	19.388	ug/l	100
76) 1,3,5-Trimethylbenzene	13.147	105	226409	19.514	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	29632	19.893	ug/l	93
78) 4-Chlorotoluene	13.200	91	208650	19.796	ug/l	100
79) tert-butylbenzene	13.417	119	186804	18.806	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	228610	19.815	ug/l	97
81) sec-Butylbenzene	13.594	105	269015	18.568	ug/l	98
82) p-Isopropyltoluene	13.706	119	221934	18.538	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	122376	20.185	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	126160	20.548	ug/l	97
85) n-Butylbenzene	14.035	91	210401	18.440	ug/l	99
86) Hexachloroethane	14.312	117	39601	17.276	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	113216	19.784	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.700	75	24131	22.930	ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	65336	20.346	ug/l	97
90) Hexachlorobutadiene	15.470	225	25750	20.648	ug/l	99
91) Naphthalene	15.611	128	245996	21.171	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	65336	20.346	ug/l	97

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

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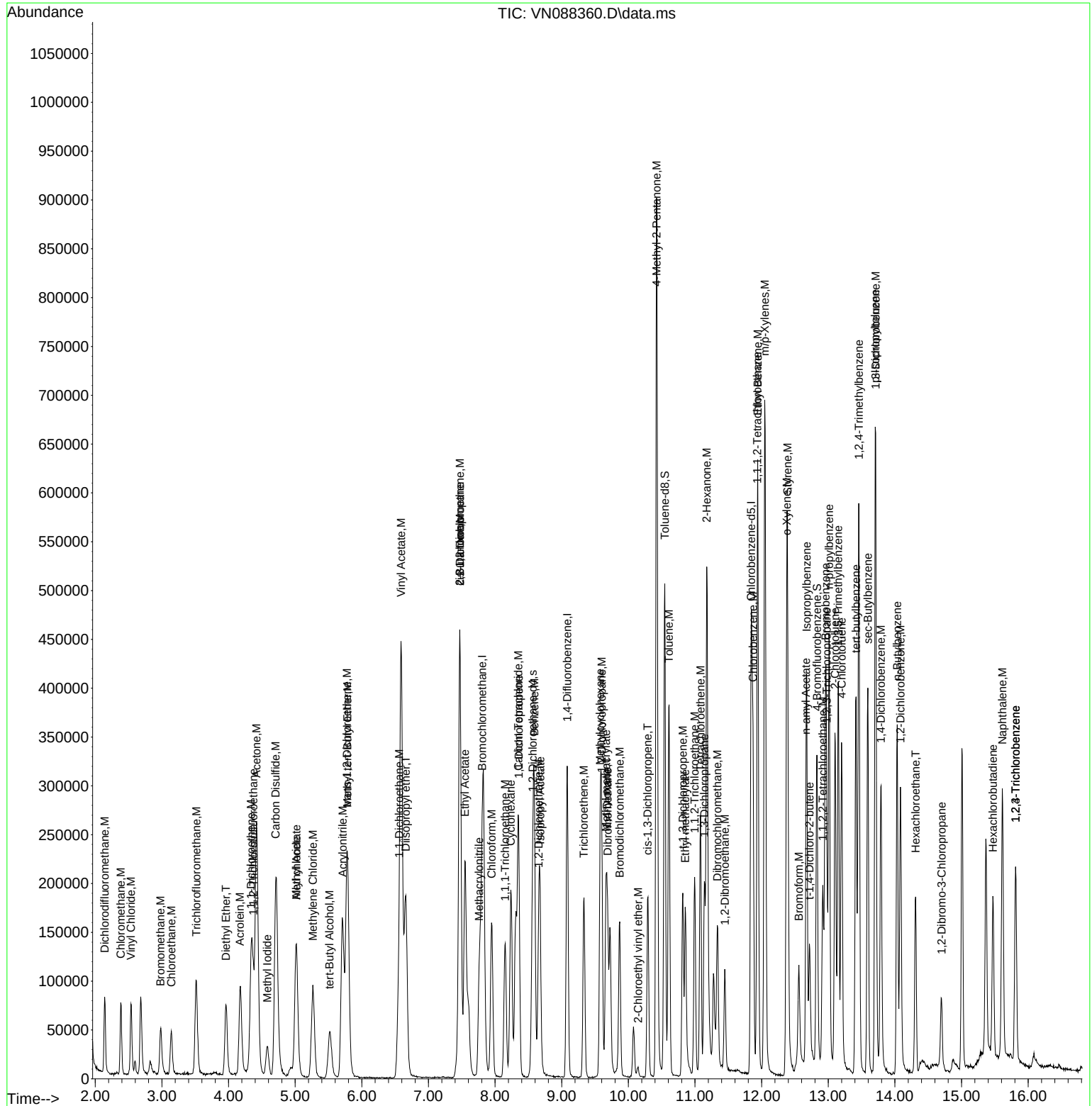
Quant Time: Nov 26 00:19:16 2025

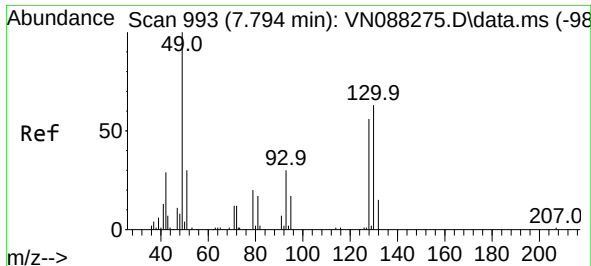
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Nov 14 00:49:21 2025

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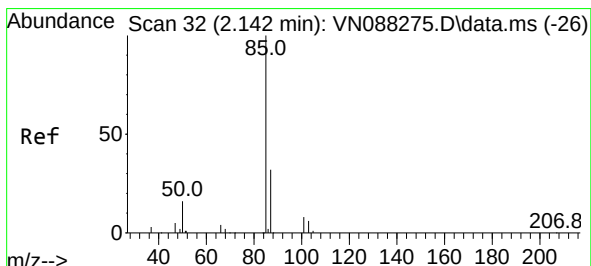
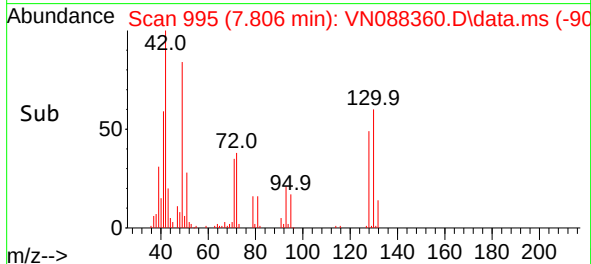
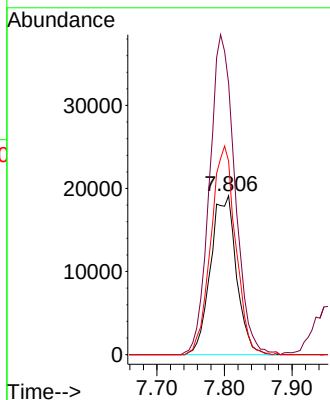
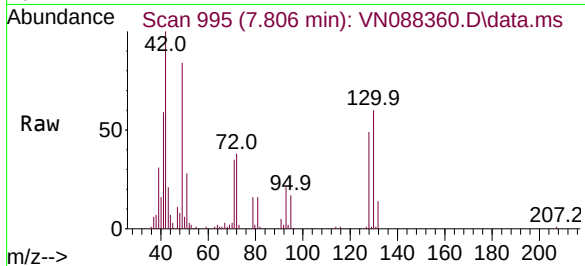
#1
Bromochloromethane
Concen: 30.000 ug/l m
RT: 7.806 min Scan# 99
Delta R.T. 0.012 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

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ClientSampleId :
EFF-WWMS

Tgt Ion:128 Resp: 50762
Ion Ratio Lower Upper
128 100
49 198.0 0.0 501.2
130 126.3 0.0 320.2

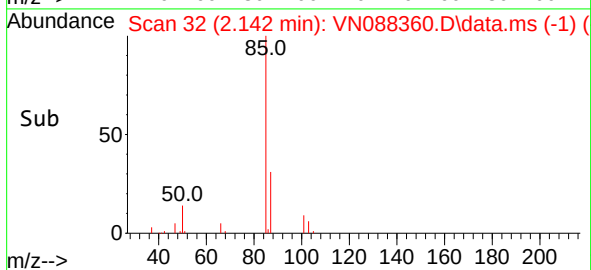
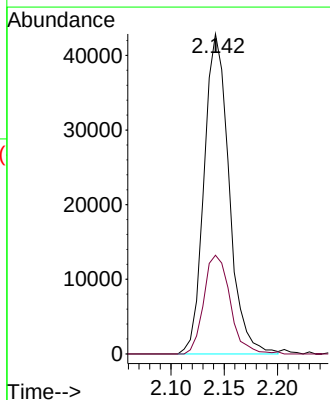
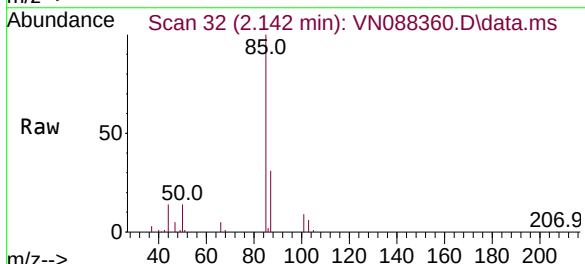
Manual Integrations
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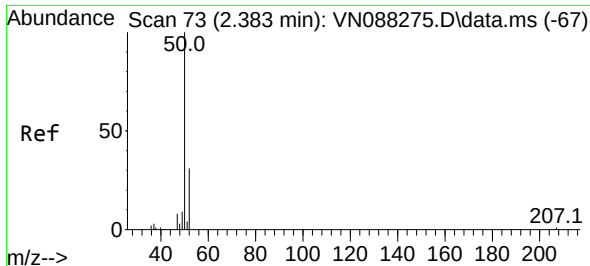
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#2
Dichlorodifluoromethane
Concen: 19.604 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

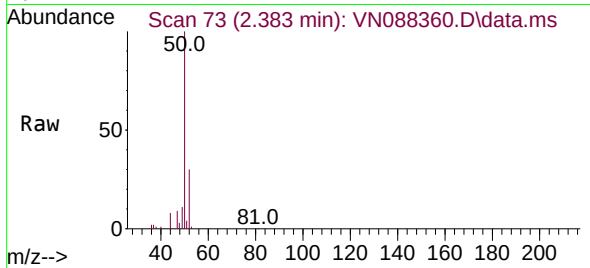
Tgt Ion: 85 Resp: 69954
Ion Ratio Lower Upper
85 100
87 30.8 16.0 48.0





#3
Chloromethane
Concen: 20.308 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

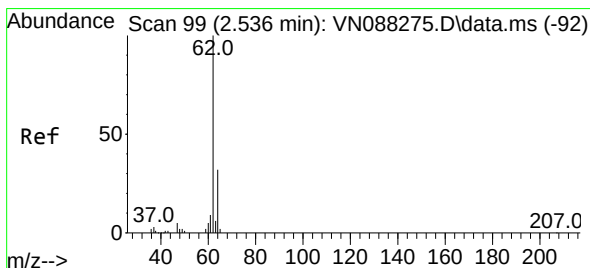
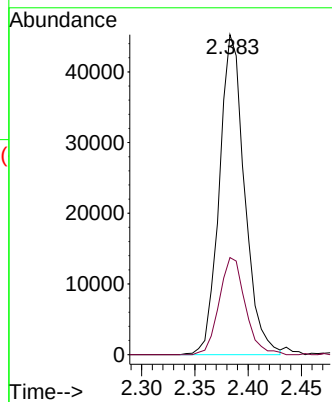
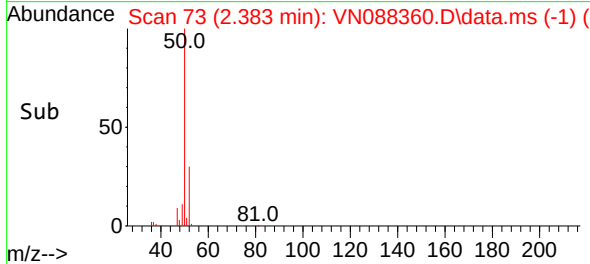
Instrument :
MSVOA_N
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EFF-WWMS



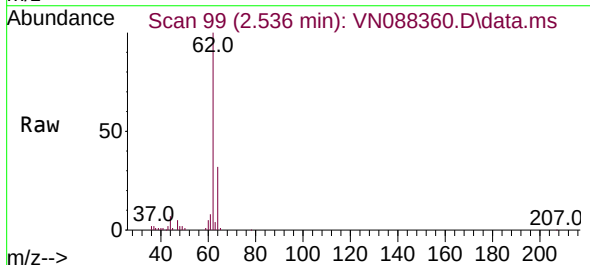
Tgt Ion: 50 Resp: 74716
Ion Ratio Lower Upper
50 100
52 30.3 24.6 36.8

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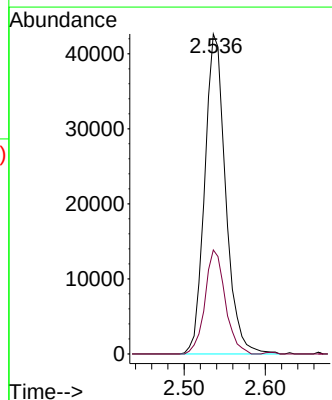
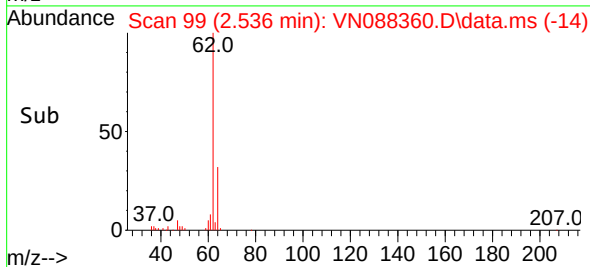
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

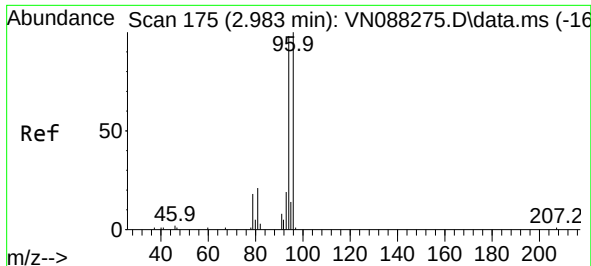


#4
Vinyl Chloride
Concen: 19.619 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06



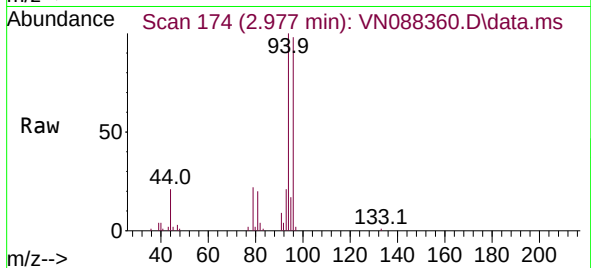
Tgt Ion: 62 Resp: 76320
Ion Ratio Lower Upper
62 100
64 32.5 25.4 38.2





#5
Bromomethane
Concen: 16.842 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

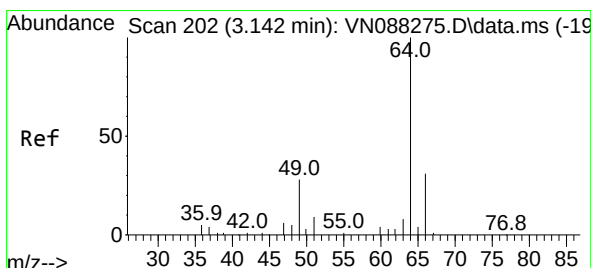
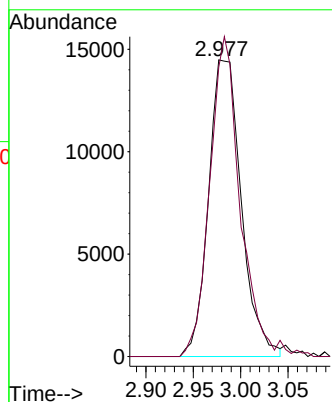
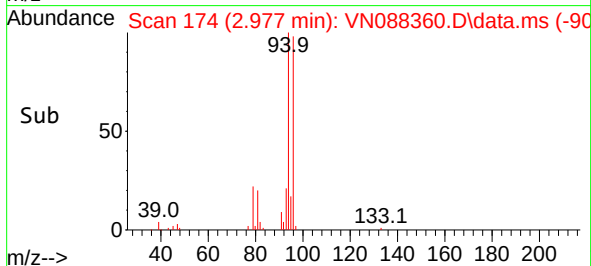
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 94 Resp: 34934
Ion Ratio Lower Upper
94 100
96 97.6 81.3 121.9

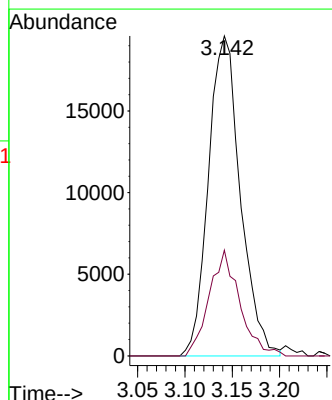
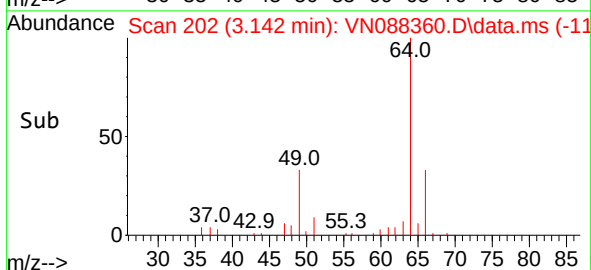
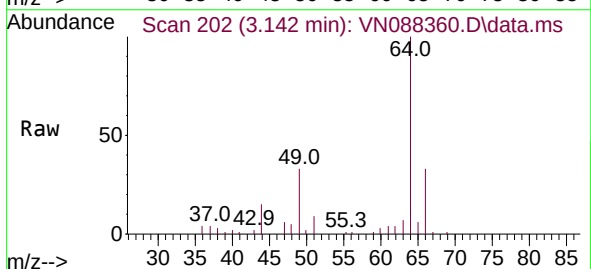
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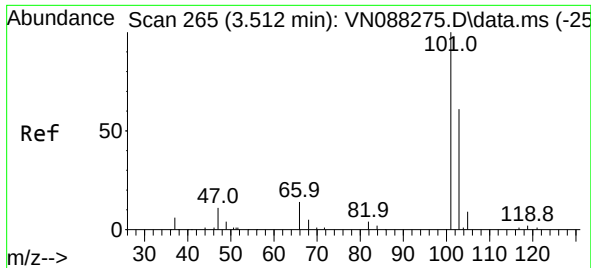
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#6
Chloroethane
Concen: 19.105 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

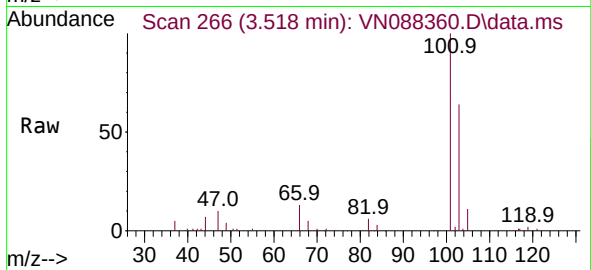
Tgt Ion: 64 Resp: 45938
Ion Ratio Lower Upper
64 100
66 33.0 24.7 37.1





#7
 Trichlorofluoromethane
 Concen: 19.821 ug/l
 RT: 3.518 min Scan# 265
 Delta R.T. 0.006 min
 Lab File: VN088360.D
 Acq: 25 Nov 2025 14:06

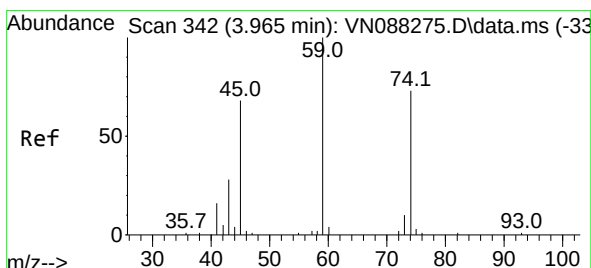
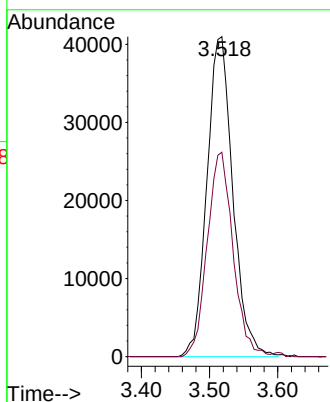
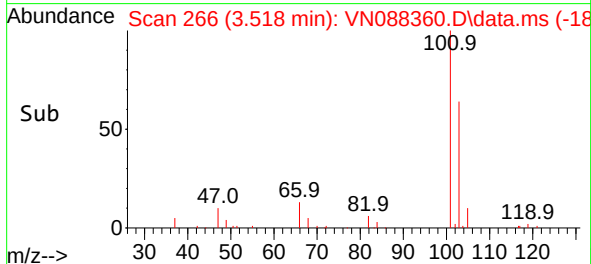
Instrument :
 MSVOA_N
 ClientSampleId :
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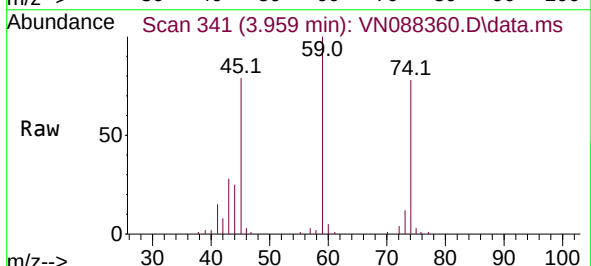
Tgt Ion:101 Resp: 108100
 Ion Ratio Lower Upper
 101 100
 103 63.9 48.6 73.0

Manual Integrations
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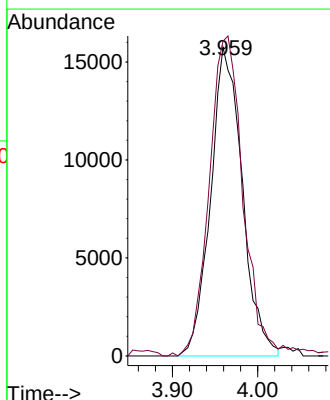
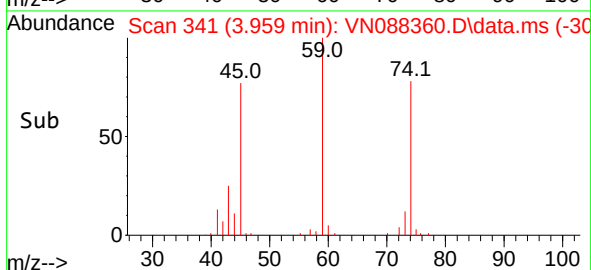
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

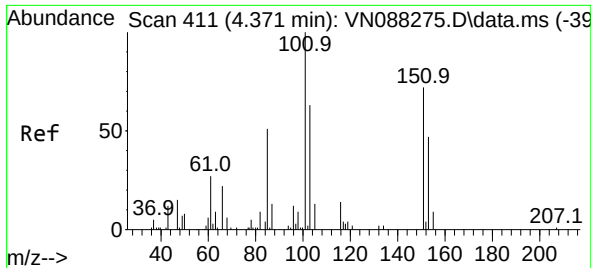


#8
 Diethyl Ether
 Concen: 19.919 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN088360.D
 Acq: 25 Nov 2025 14:06



Tgt Ion: 74 Resp: 40604
 Ion Ratio Lower Upper
 74 100
 45 109.3 20.9 187.7





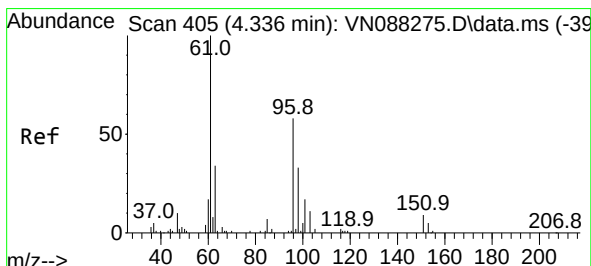
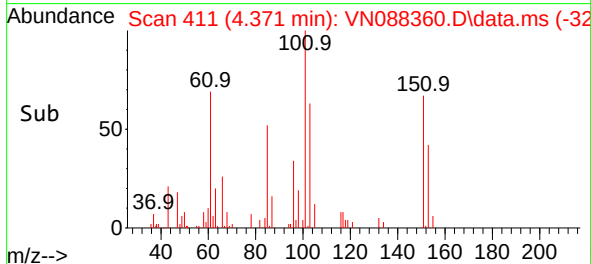
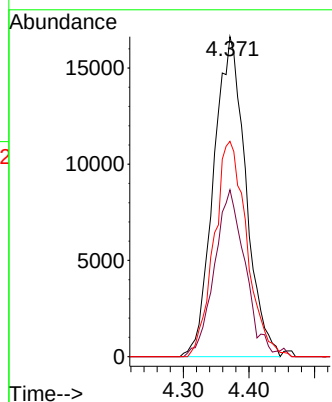
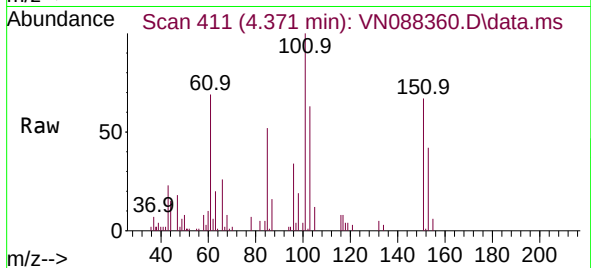
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1,1,2-Trichlorotrifluoroethane
Concen: 19.823 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

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Tgt Ion: 101 Resp: 5671
Ion Ratio Lower Upper
101 100
85 47.6 0.0 100.8
151 67.9 0.0 138.4

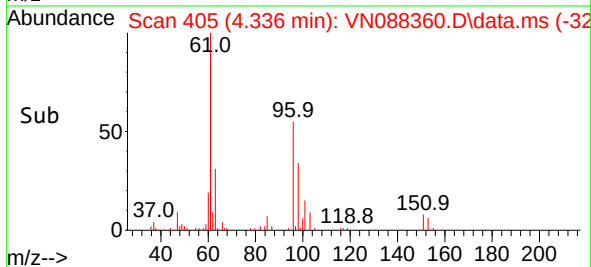
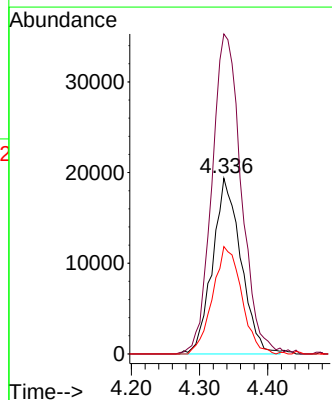
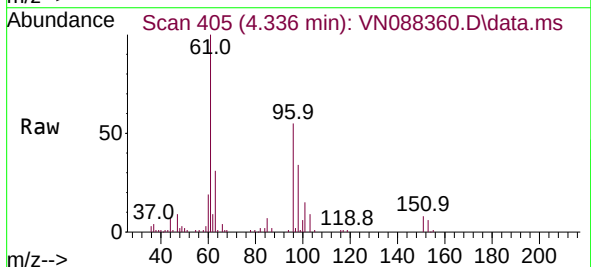
Manual Integrations
APPROVED

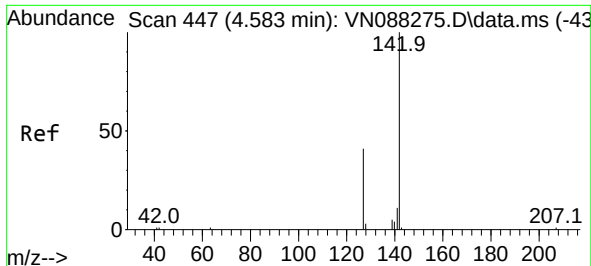
Reviewed By : John Carlone 11/26/2025
Supervised By : Mahesh Dadoda 11/26/2025



#10
1,1-Dichloroethene
Concen: 20.021 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

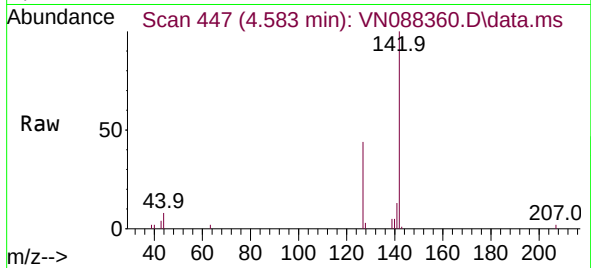
Tgt Ion: 96 Resp: 55886
Ion Ratio Lower Upper
96 100
61 181.4 137.8 206.8
98 61.1 45.6 68.4





#11
Methyl Iodide
Concen: 18.044 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

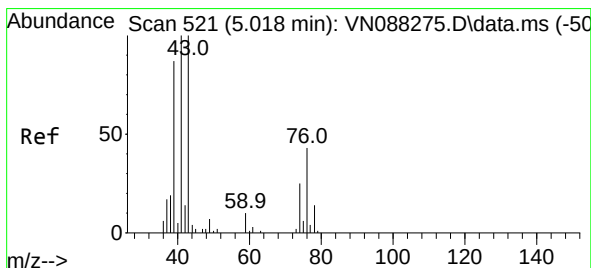
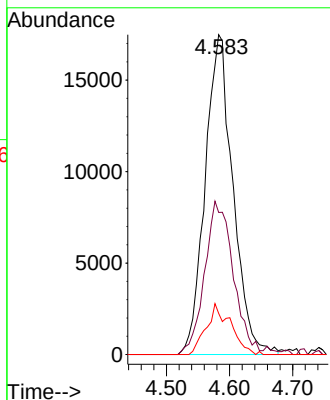
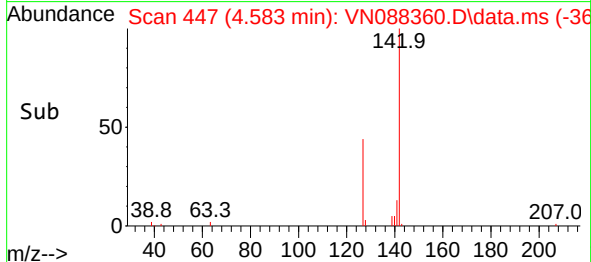
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:142 Resp: 53601
Ion Ratio Lower Upper
142 100
127 44.2 20.4 61.2
141 13.0 5.6 16.8

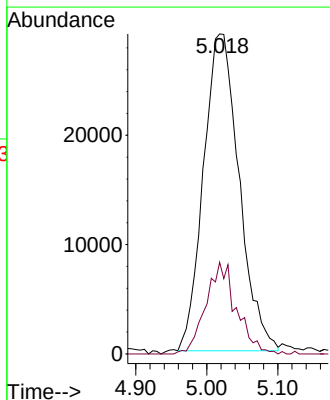
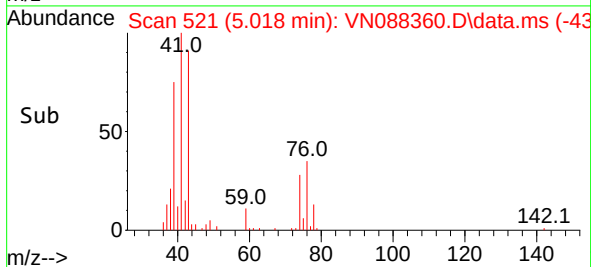
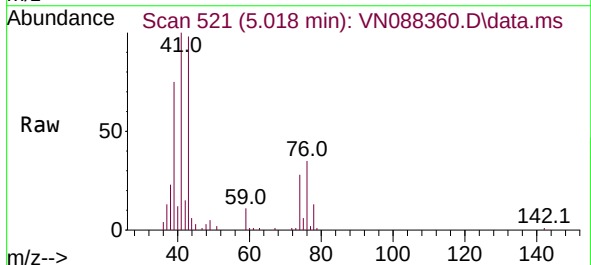
Manual Integrations
APPROVED

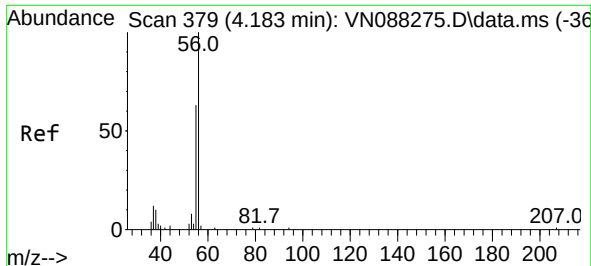
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#12
Methyl Acetate
Concen: 22.469 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

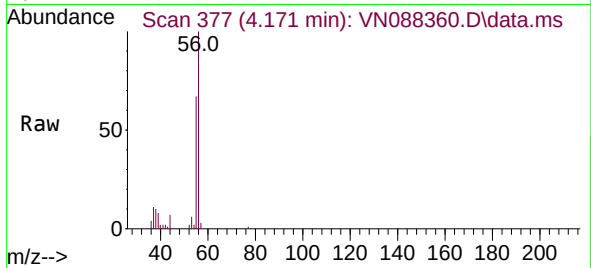
Tgt Ion: 43 Resp: 101181
Ion Ratio Lower Upper
43 100
74 28.7 19.8 29.8





#13
Acrolein
Concen: 174.207 ug/l
RT: 4.171 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

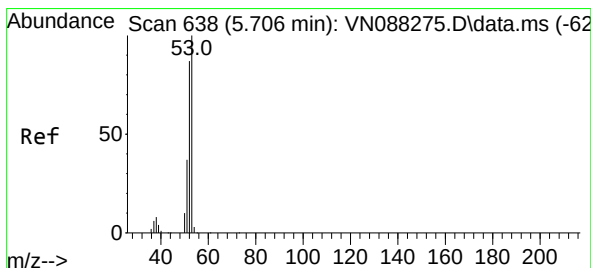
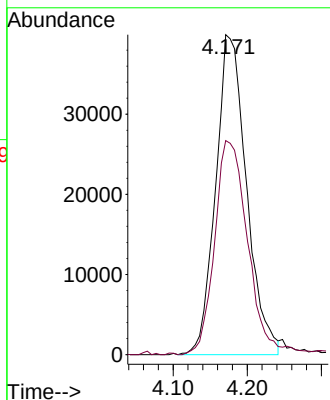
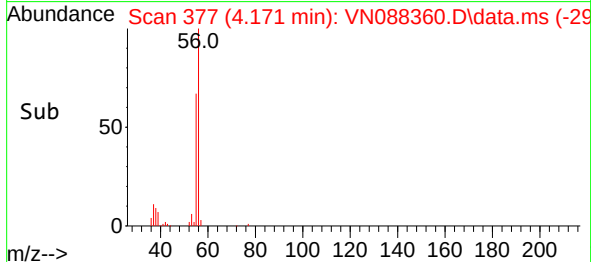
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 56 Resp: 115422
Ion Ratio Lower Upper
56 100
55 70.7 57.9 86.9

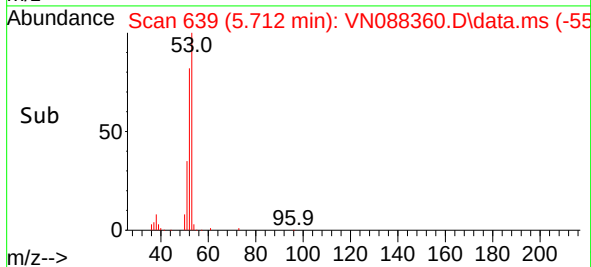
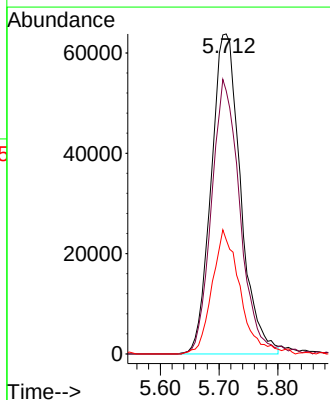
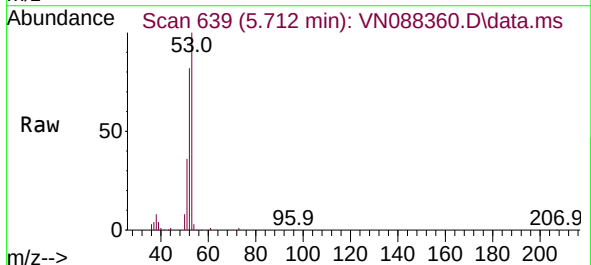
Manual Integrations
APPROVED

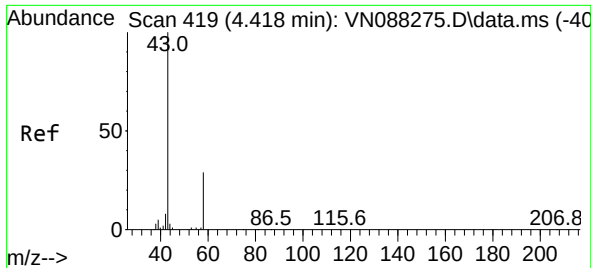
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#14
Acrylonitrile
Concen: 108.224 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

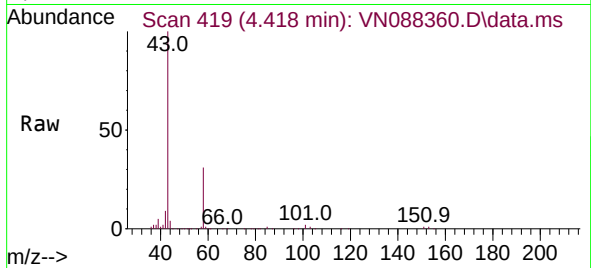
Tgt Ion: 53 Resp: 221452
Ion Ratio Lower Upper
53 100
52 82.3 42.3 126.9
51 36.9 18.4 55.2





#15
Acetone
Concen: 251.151 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

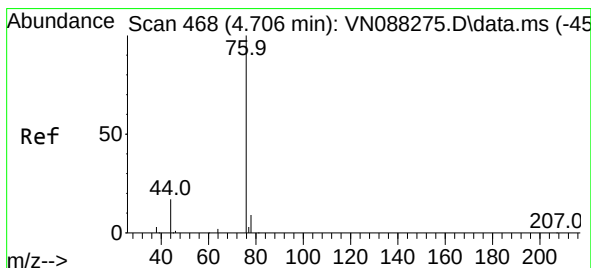
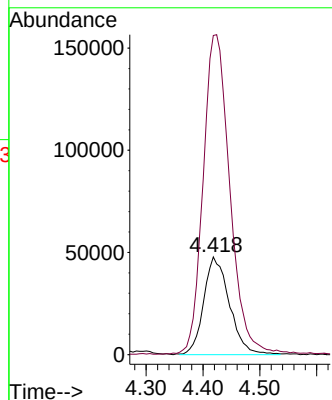
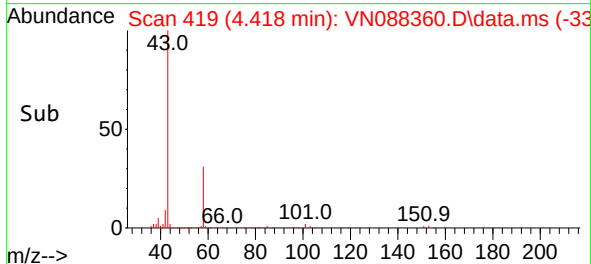
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 58 Resp: 150287
Ion Ratio Lower Upper
58 100
43 326.1 273.9 410.9

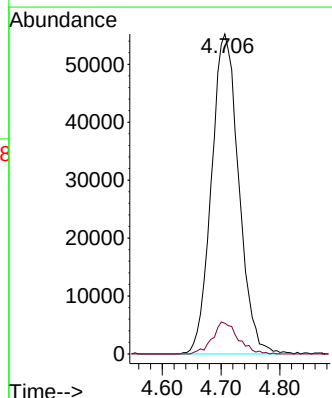
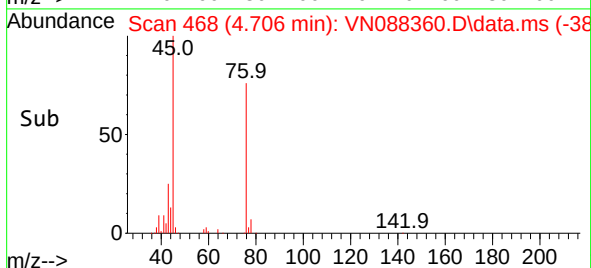
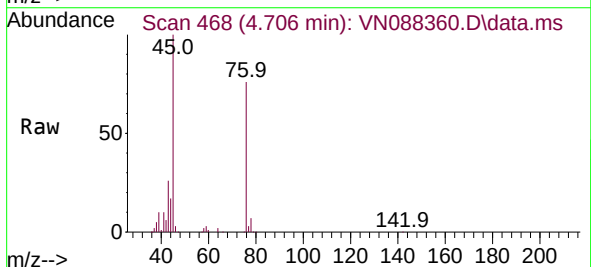
Manual Integrations
APPROVED

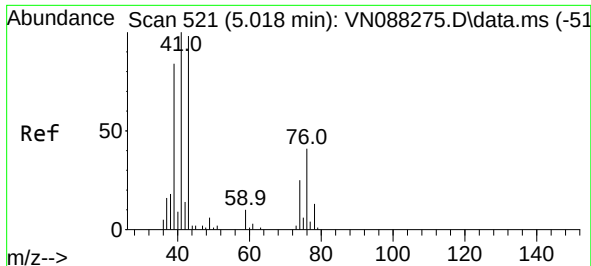
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#16
Carbon Disulfide
Concen: 18.891 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 76 Resp: 177840
Ion Ratio Lower Upper
76 100
78 9.6 7.5 11.3





#17

Allyl chloride

Concen: 18.736 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

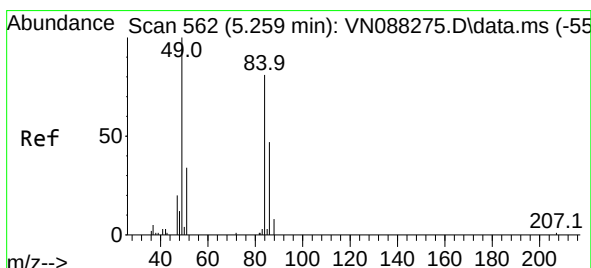
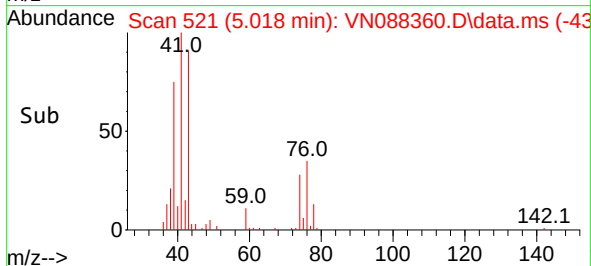
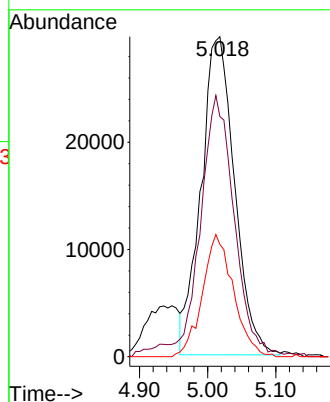
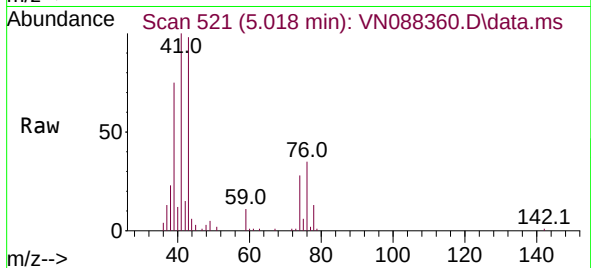
Tgt Ion:	41	Resp:	101631
Ion	Ratio	Lower	Upper
41	100		
39	74.7	38.3	114.9
76	35.5	18.5	55.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#18

Methylene Chloride

Concen: 20.300 ug/l

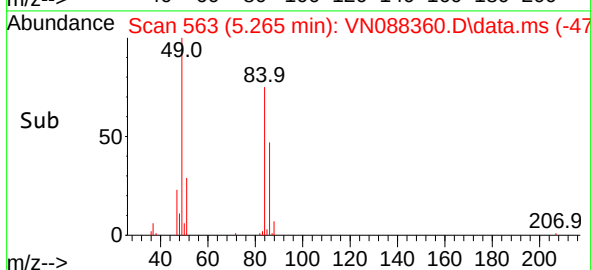
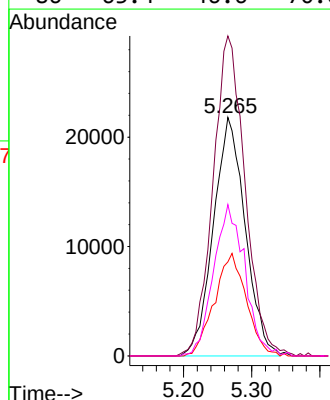
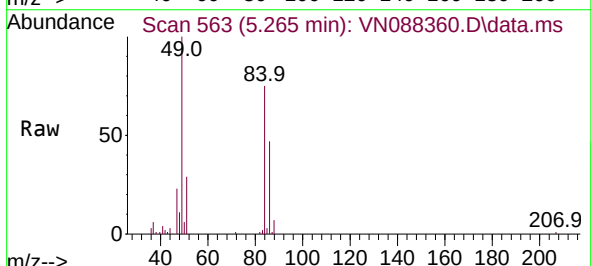
RT: 5.265 min Scan# 563

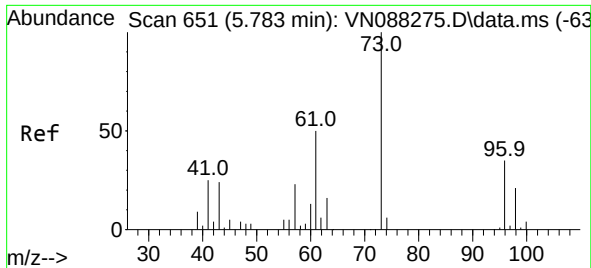
Delta R.T. 0.006 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Tgt Ion:	84	Resp:	70431
Ion	Ratio	Lower	Upper
84	100		
49	133.4	98.7	148.1
51	39.4	33.7	50.5
86	63.4	46.6	70.0





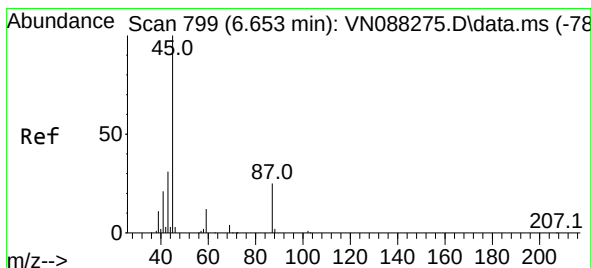
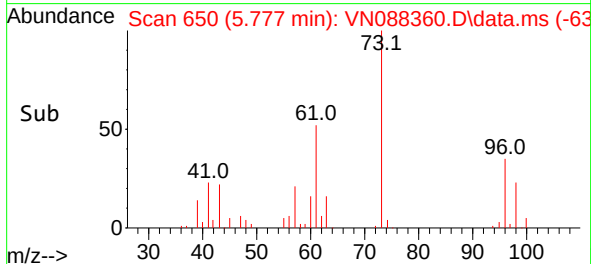
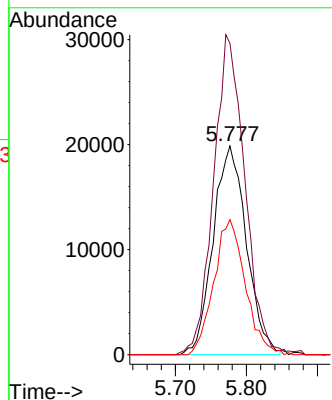
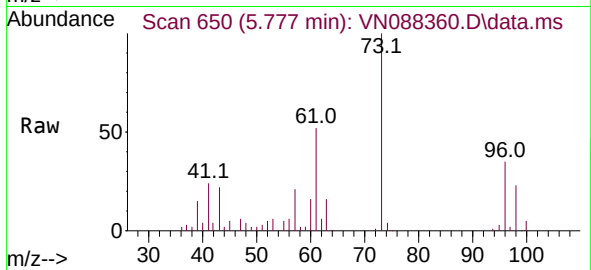
#19
trans-1,2-Dichloroethene
Concen: 19.881 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 96 Resp: 64621
Ion Ratio Lower Upper
96 100
61 148.2 117.0 175.4
98 64.7 48.6 72.8

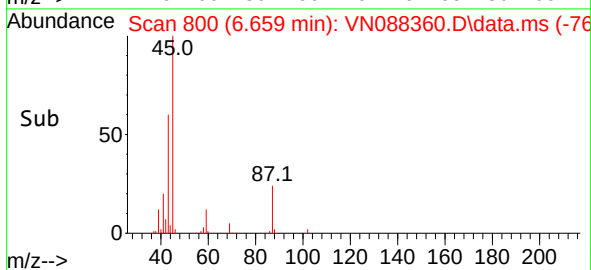
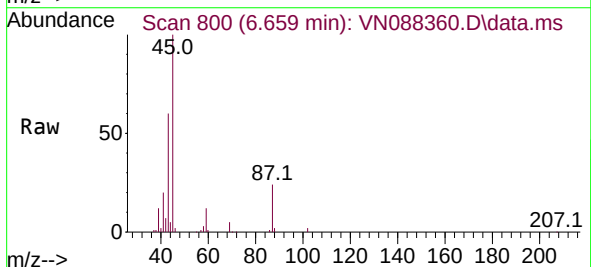
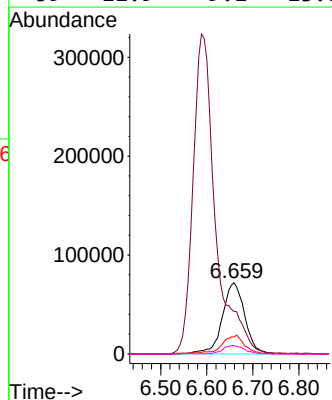
Manual Integrations
APPROVED

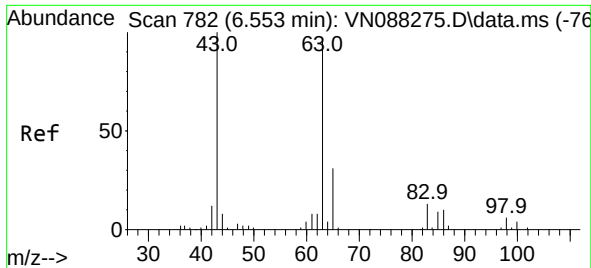
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#20
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.659 min Scan# 800
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 45 Resp: 242680
Ion Ratio Lower Upper
45 100
43 58.4 51.9 77.9
87 23.7 21.1 31.7
59 11.9 9.1 13.7





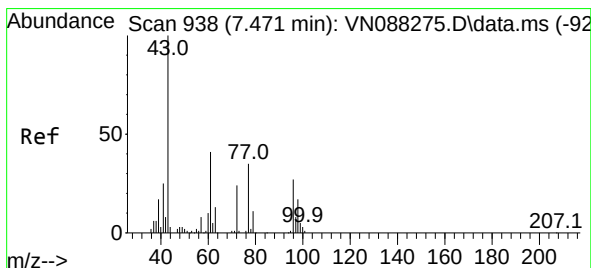
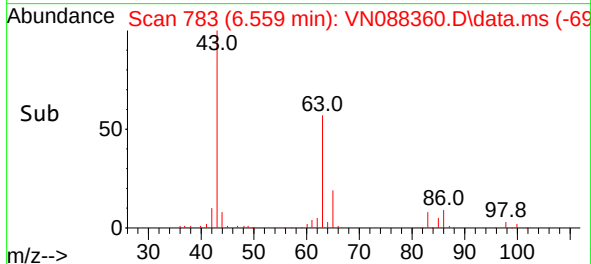
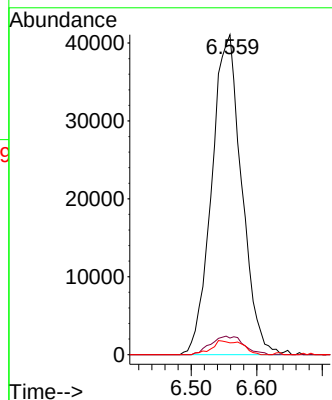
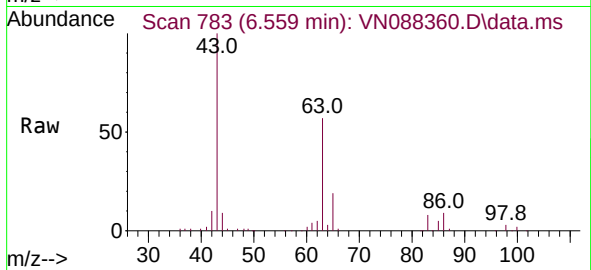
#21
1,1-Dichloroethane
Concen: 19.927 ug/l
RT: 6.559 min Scan# 782
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 63 Resp: 130129
Ion Ratio Lower Upper
63 100
98 5.2 3.0 9.0
100 3.7 2.1 6.3

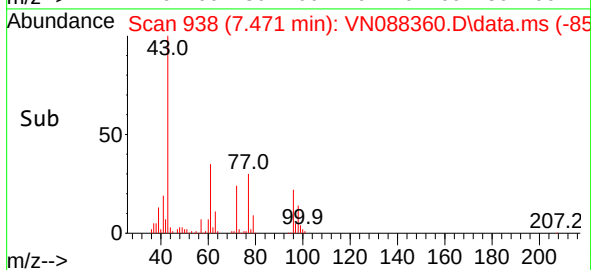
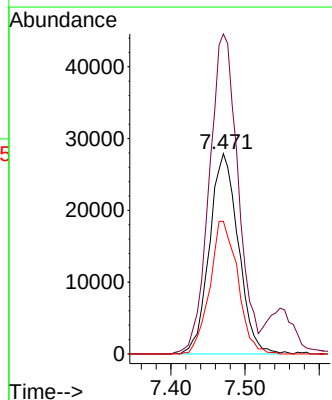
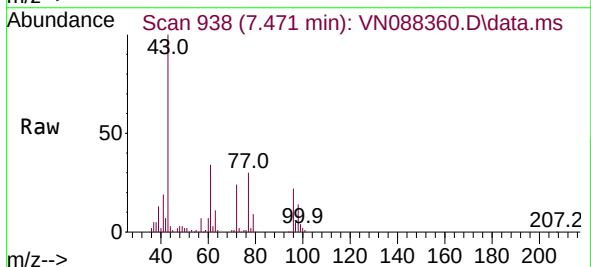
Manual Integrations
APPROVED

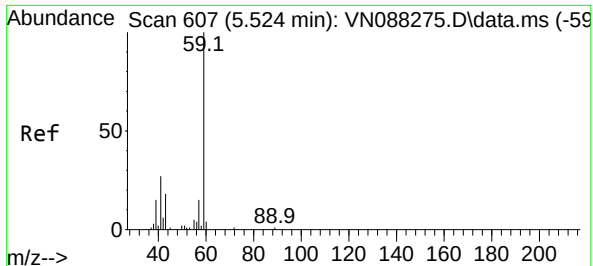
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#22
cis-1,2-Dichloroethene
Concen: 19.952 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 96 Resp: 75377
Ion Ratio Lower Upper
96 100
61 159.8 131.2 196.8
98 64.0 51.0 76.4





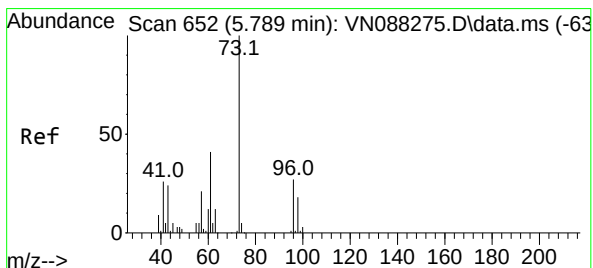
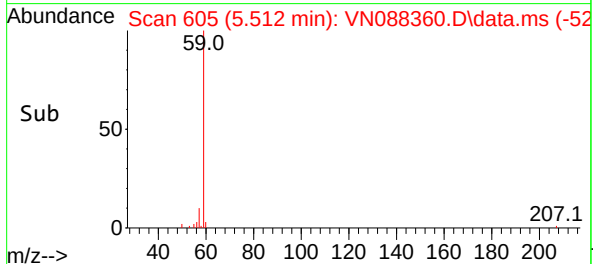
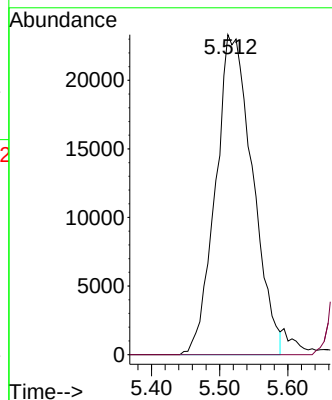
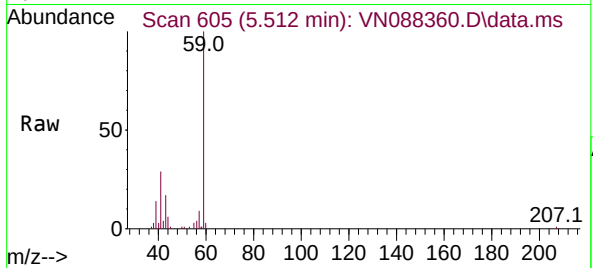
#23
tert-Butyl Alcohol
Concen: 116.610 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 59 Resp: 87740
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

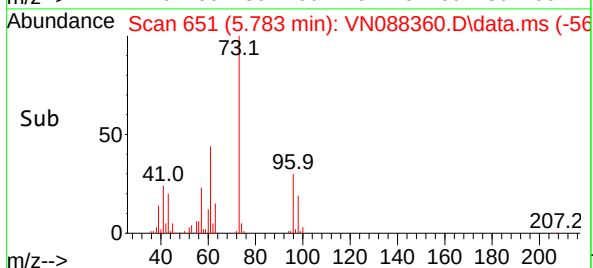
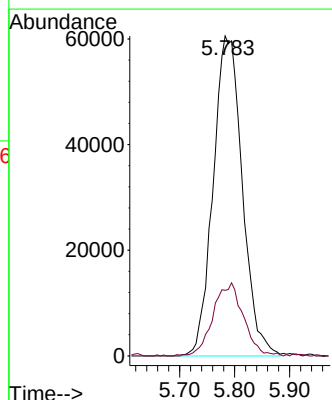
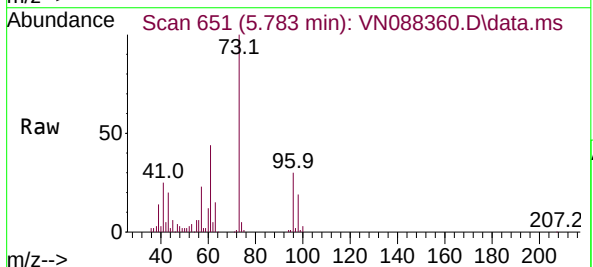
Manual Integrations
APPROVED

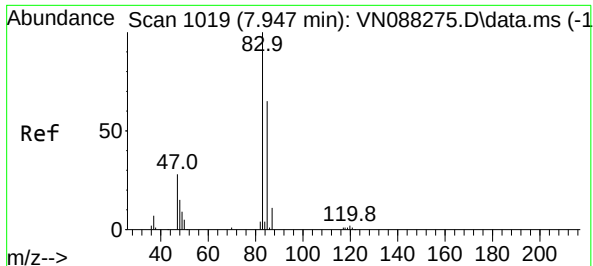
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#24
Methyl tert-Butyl Ether
Concen: 19.799 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 73 Resp: 222827
Ion Ratio Lower Upper
73 100
43 10.3 18.5 27.7#





#25

Chloroform

Concen: 23.611 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion: 83 Resp: 152785

Ion Ratio Lower Upper

83 100

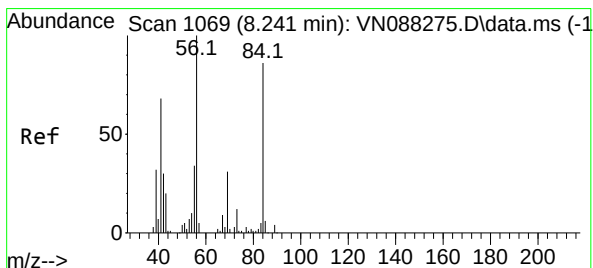
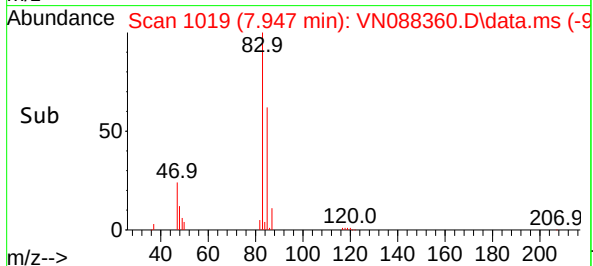
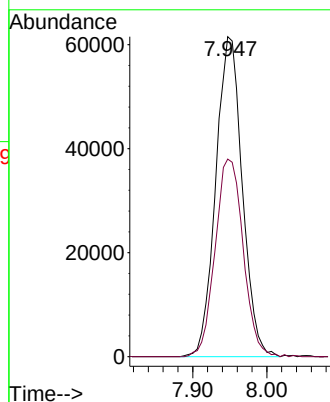
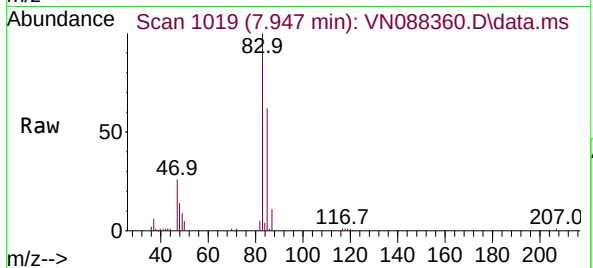
85 61.7 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#26

Cyclohexane

Concen: 17.785 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

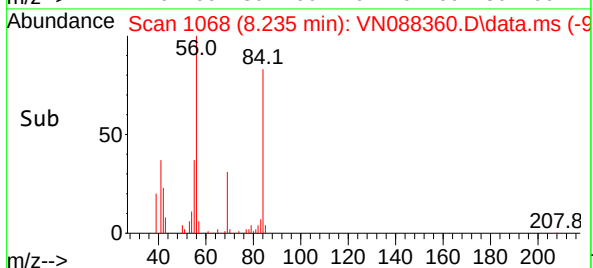
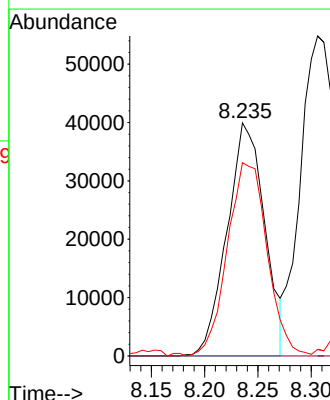
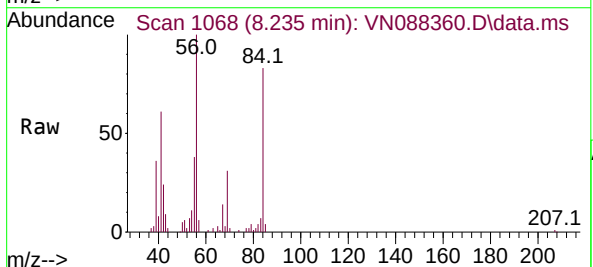
Tgt Ion: 56 Resp: 98103

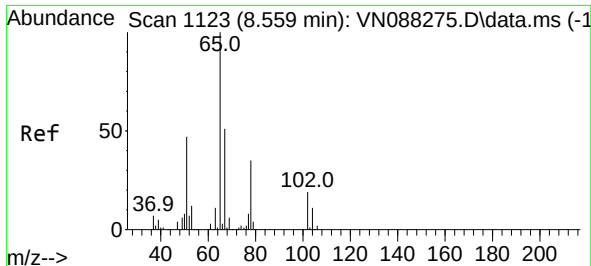
Ion Ratio Lower Upper

56 100

89 0.0 7.3 10.9#

84 87.5 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 29.031 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion: 65 Resp: 134612

Ion Ratio Lower Upper

65 100

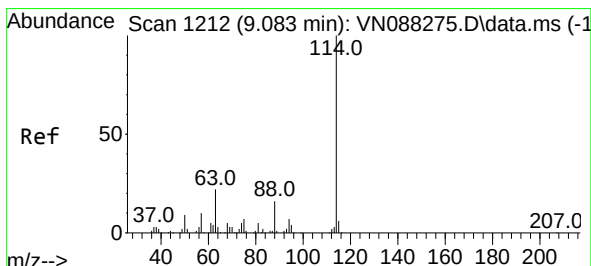
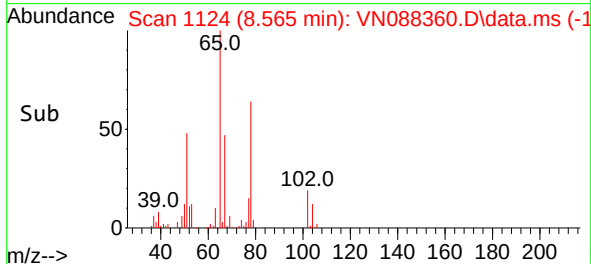
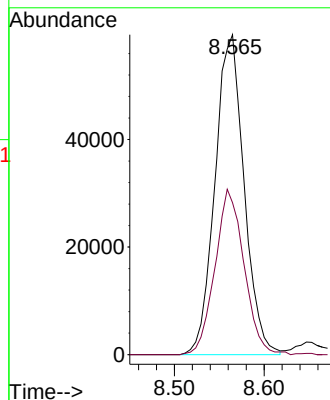
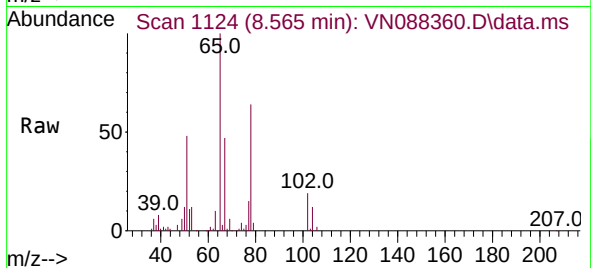
67 51.4 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

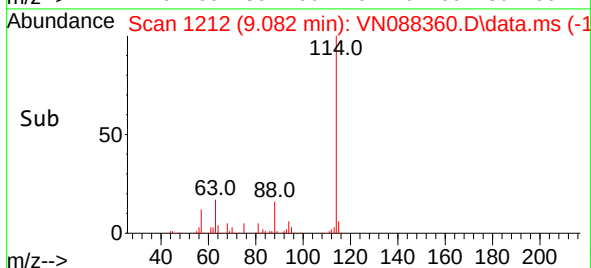
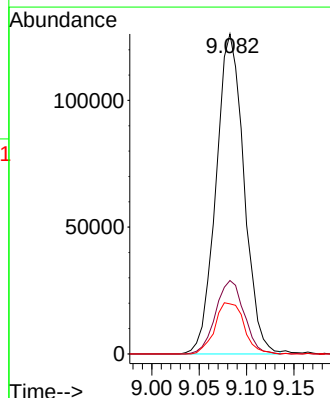
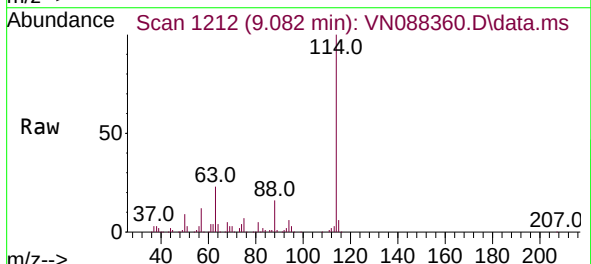
Tgt Ion:114 Resp: 258609

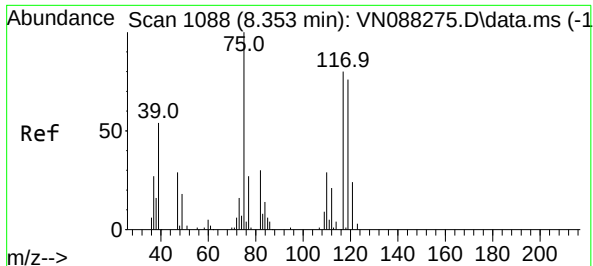
Ion Ratio Lower Upper

114 100

63 23.3 18.9 28.3

88 16.7 12.8 19.2





#29

1,1-Dichloropropene

Concen: 20.275 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

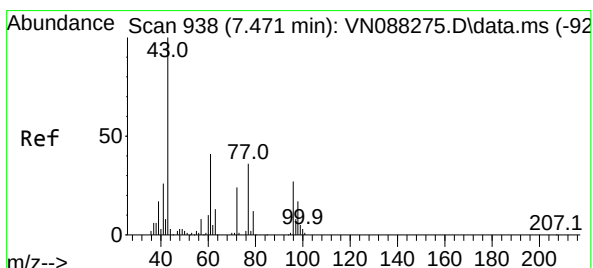
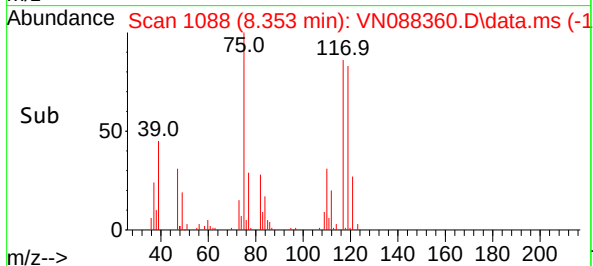
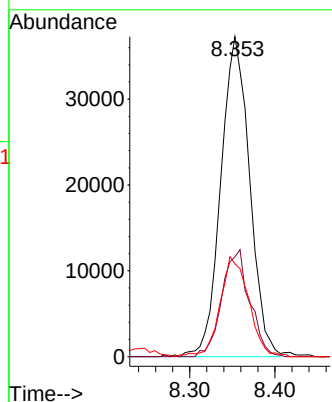
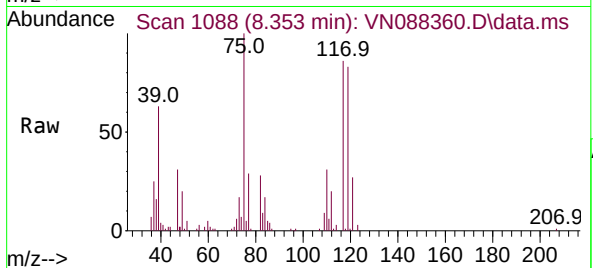
Tgt Ion: 75	Resp: 87488
Ion Ratio	Lower Upper
75 100	
110 32.2	0.0 65.6
77 30.6	0.0 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#30

2-Butanone

Concen: 119.814 ug/l

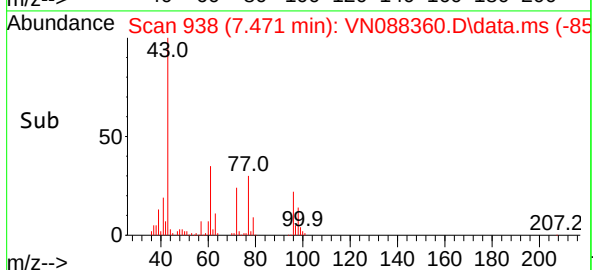
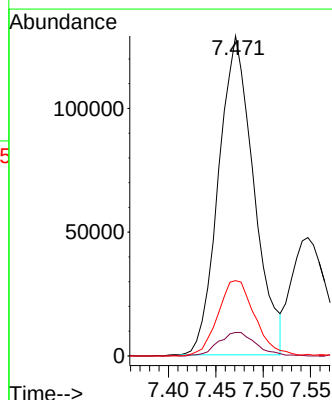
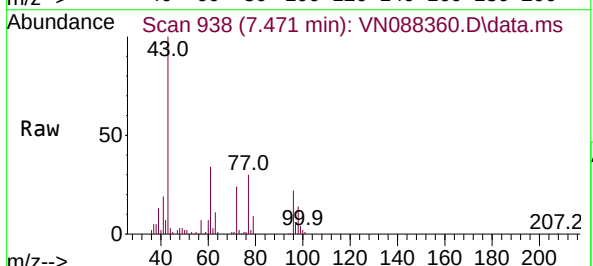
RT: 7.471 min Scan# 938

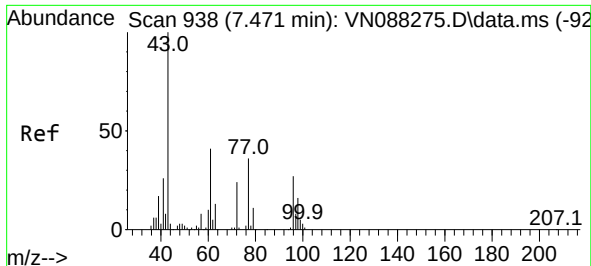
Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

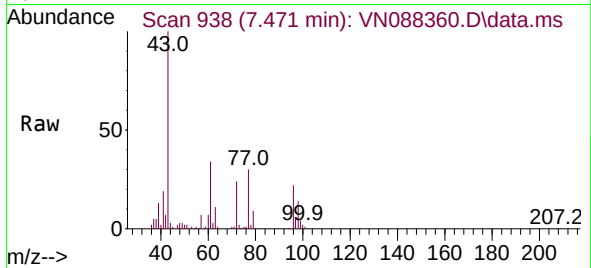
Tgt Ion: 43	Resp: 334427
Ion Ratio	Lower Upper
43 100	
57 7.7	6.2 9.4
72 24.8	19.4 29.2





#31
2,2-Dichloropropane
Concen: 20.115 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

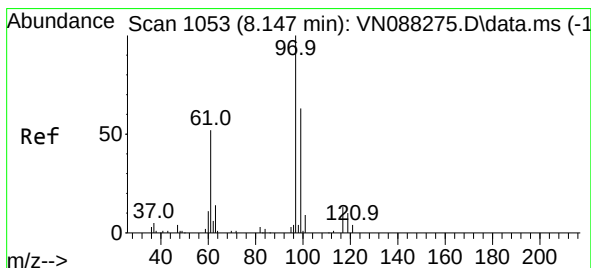
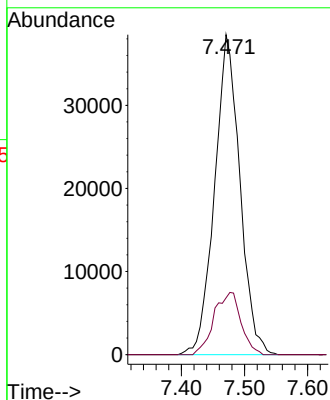
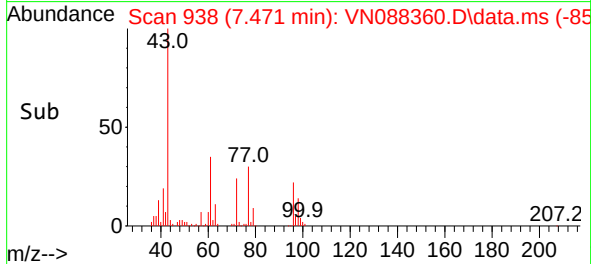
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 77 Resp: 107052
Ion Ratio Lower Upper
77 100
97 20.8 16.8 25.2

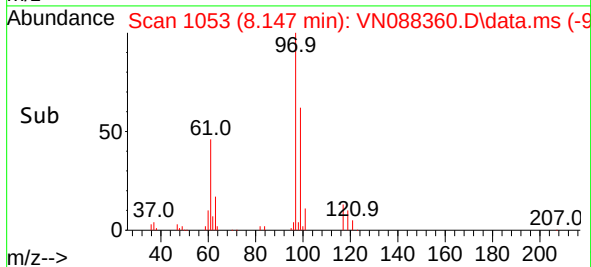
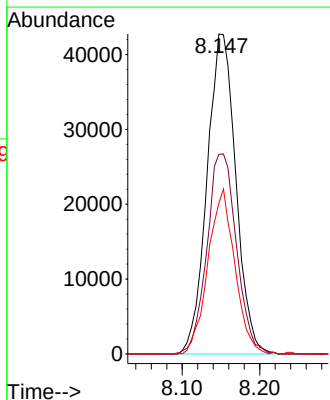
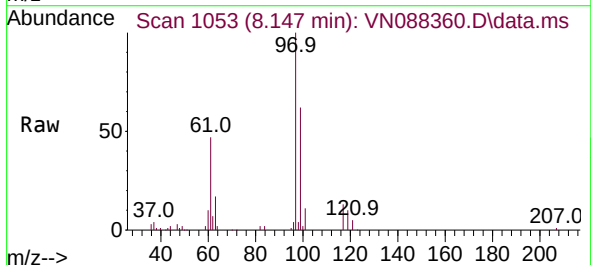
Manual Integrations
APPROVED

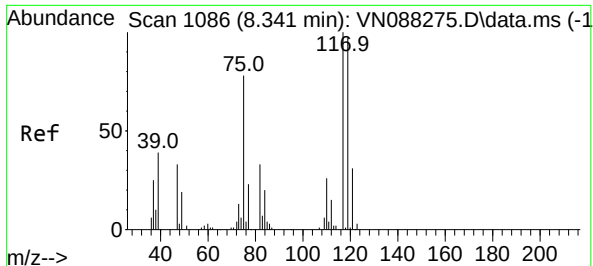
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#32
1,1,1-Trichloroethane
Concen: 20.776 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

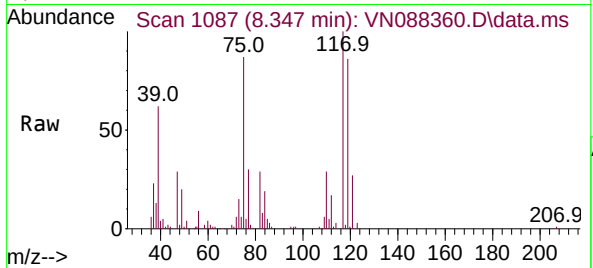
Tgt Ion: 97 Resp: 110515
Ion Ratio Lower Upper
97 100
99 64.1 50.2 75.4
61 47.9 39.8 59.8





#33
Carbon Tetrachloride
Concen: 19.978 ug/l
RT: 8.347 min Scan# 1086
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

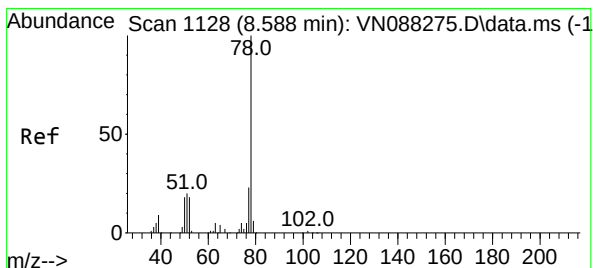
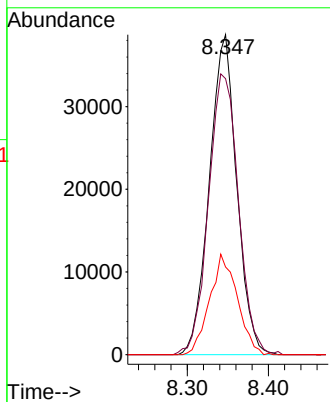
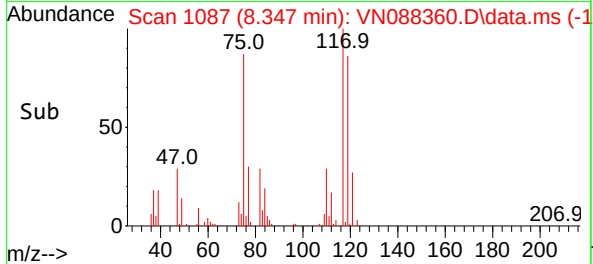
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 117 Resp: 90748
Ion Ratio Lower Upper
117 100
119 85.5 77.8 116.8
121 27.4 24.5 36.7

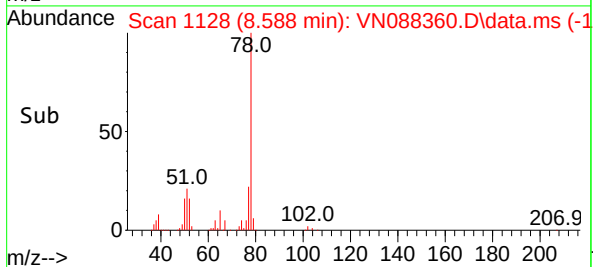
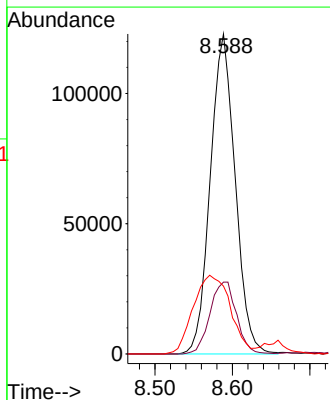
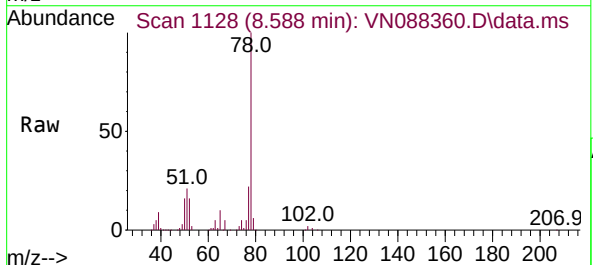
Manual Integrations
APPROVED

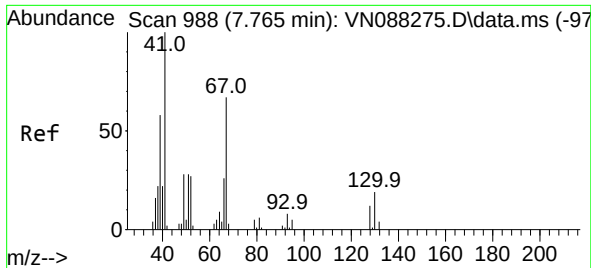
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#34
Benzene
Concen: 21.267 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 78 Resp: 274298
Ion Ratio Lower Upper
78 100
77 22.4 18.6 27.8
51 19.5 15.8 23.8





#35
Methacrylonitrile
Concen: 21.763 ug/l
RT: 7.759 min Scan# 988
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

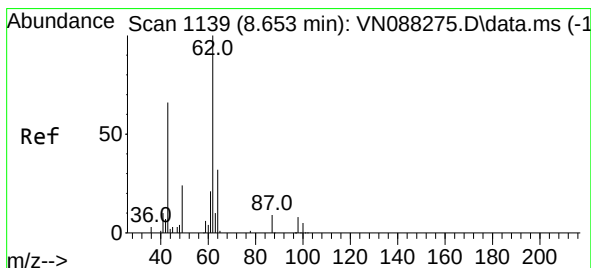
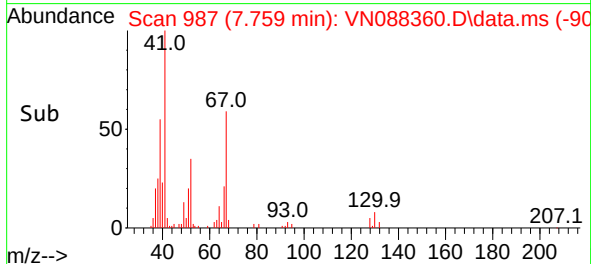
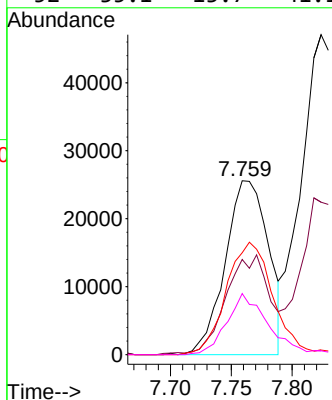
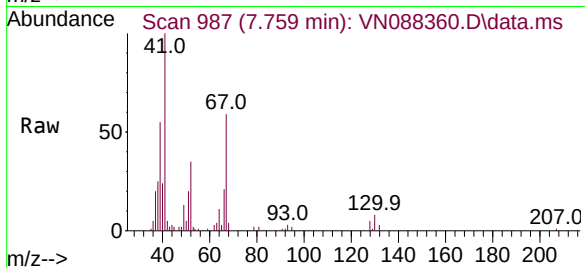
EFF-WWMS

Tgt Ion: 41 Resp: 63362
Ion Ratio Lower Upper
41 100
39 53.5 29.0 87.0
67 58.5 33.3 99.9
52 35.1 13.7 41.1

Manual Integrations

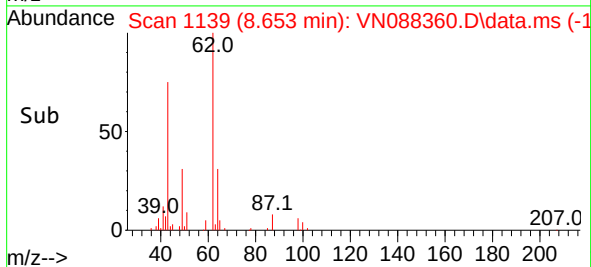
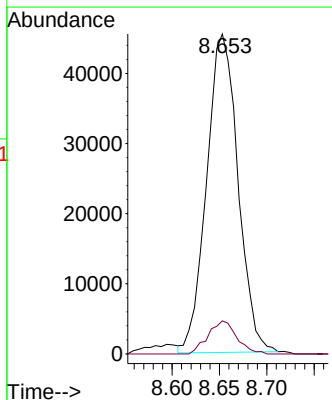
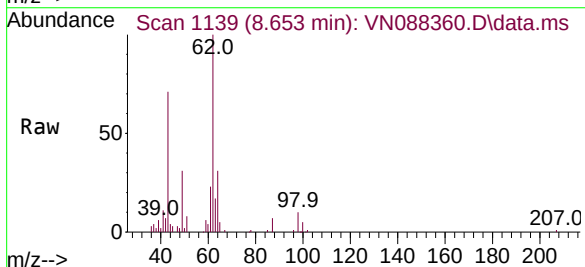
APPROVED

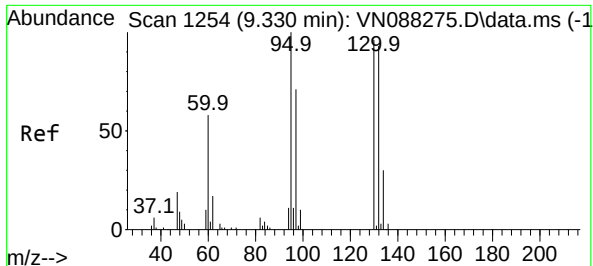
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#36
1,2-Dichloroethane
Concen: 20.873 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 62 Resp: 104772
Ion Ratio Lower Upper
62 100
98 9.4 6.8 10.2





#37

Trichloroethene

Concen: 21.843 ug/l

RT: 9.329 min Scan# 1254

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion:130 Resp: 63845

Ion Ratio Lower Upper

130 100

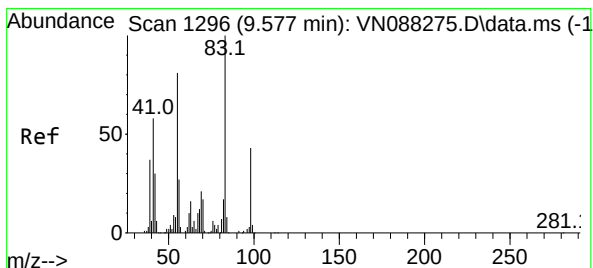
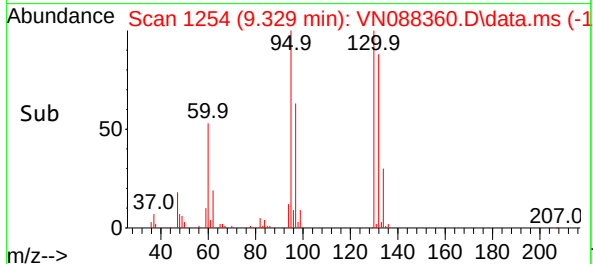
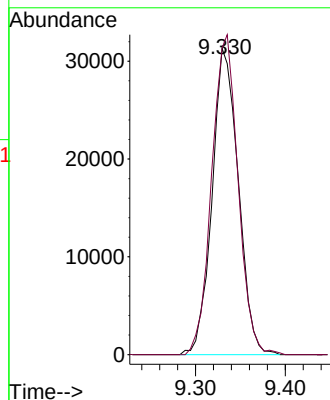
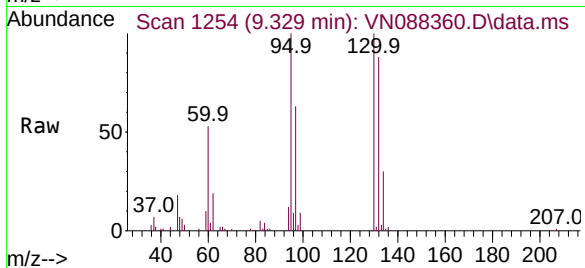
95 100.2 83.7 125.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#38

Methylcyclohexane

Concen: 18.869 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

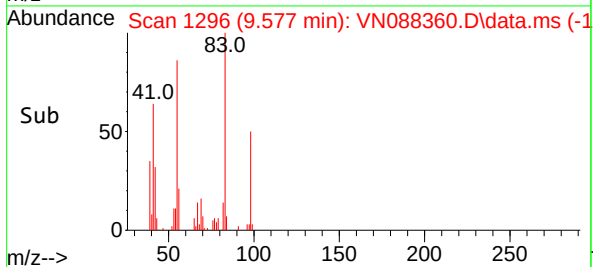
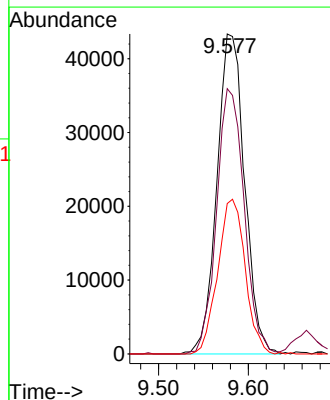
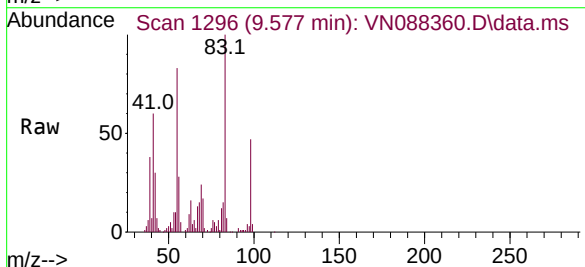
Tgt Ion: 83 Resp: 93346

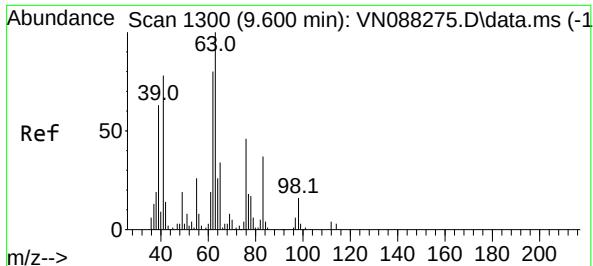
Ion Ratio Lower Upper

83 100

55 82.6 40.8 122.5

98 47.9 23.4 70.3





#39

1,2-Dichloropropane

Concen: 21.009 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion: 63 Resp: 69909

Ion Ratio Lower Upper

63 100

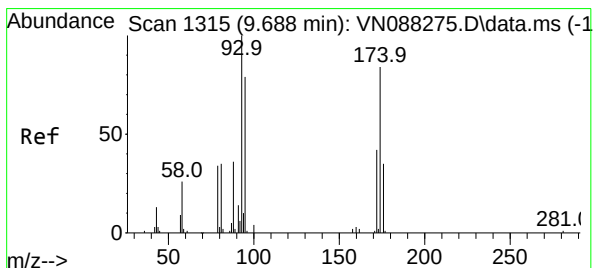
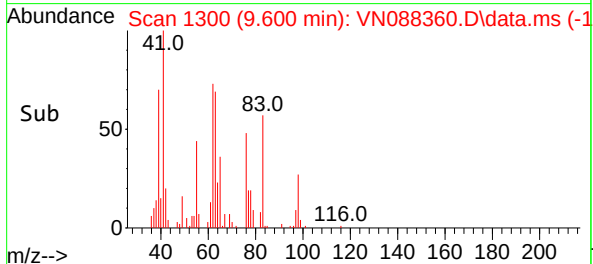
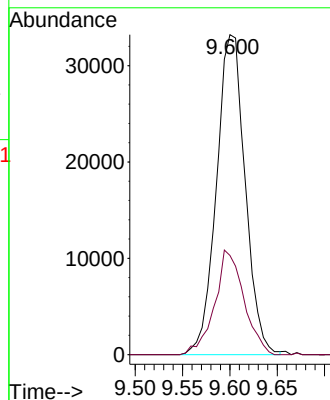
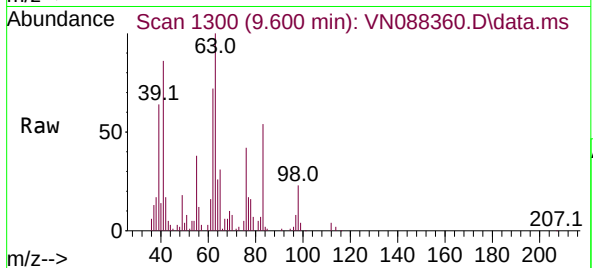
65 31.0 27.8 41.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#40

Dibromomethane

Concen: 21.676 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

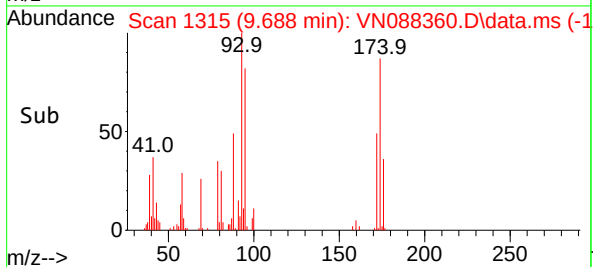
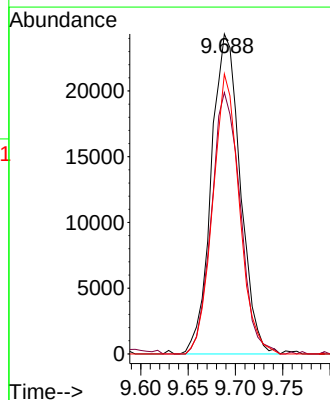
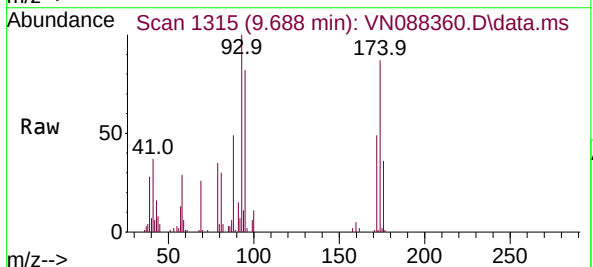
Tgt Ion: 93 Resp: 51823

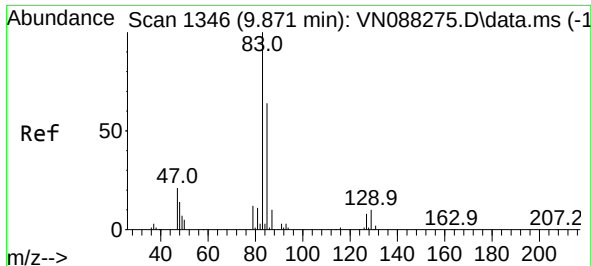
Ion Ratio Lower Upper

93 100

95 80.9 0.0 161.6

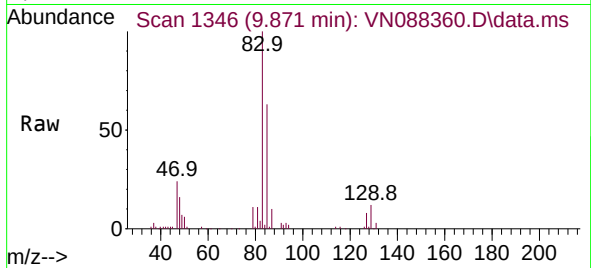
174 80.4 0.0 158.2





#41
Bromodichloromethane
Concen: 22.268 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

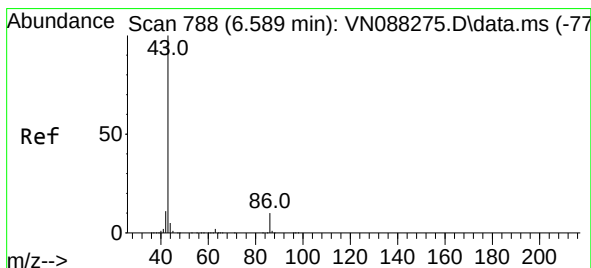
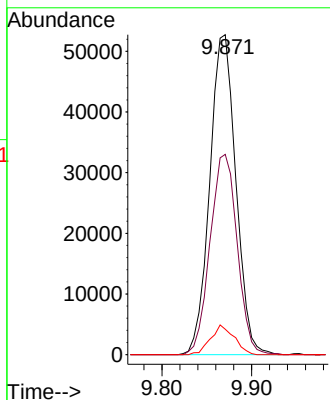
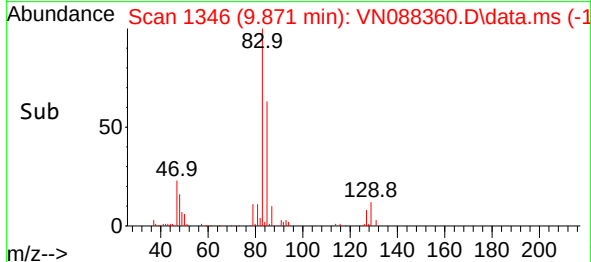
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 83 Resp: 107172
Ion Ratio Lower Upper
83 100
85 62.6 51.4 77.2
127 7.9 6.4 9.6

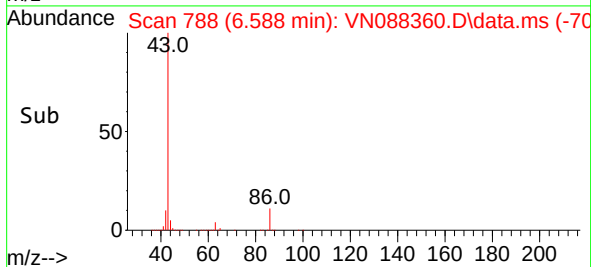
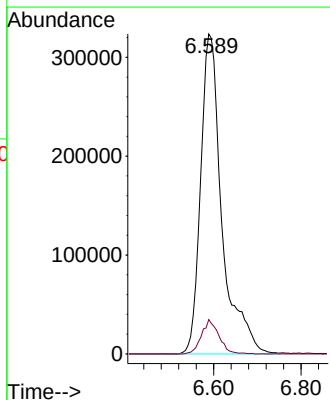
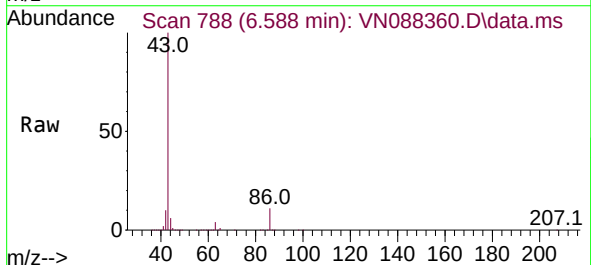
Manual Integrations
APPROVED

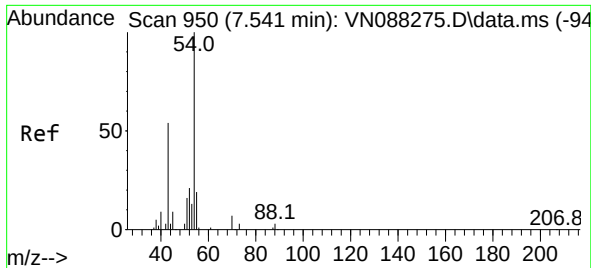
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#42
Vinyl Acetate
Concen: 117.250 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

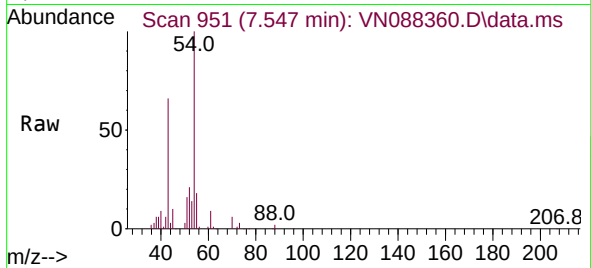
Tgt Ion: 43 Resp: 1092298
Ion Ratio Lower Upper
43 100
86 8.6 7.4 11.2





#43
Ethyl Acetate
Concen: 21.800 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

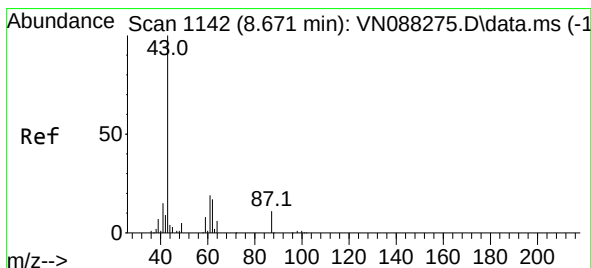
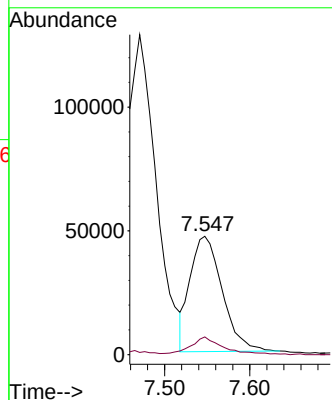
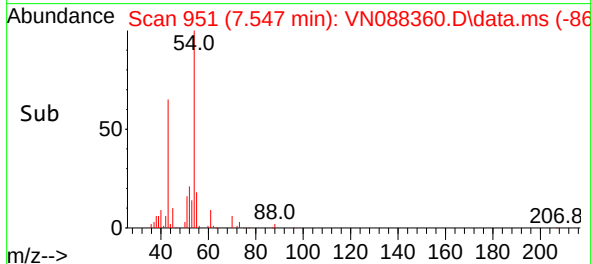
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 43 Resp: 122432
Ion Ratio Lower Upper
43 100
45 12.2 9.9 14.9

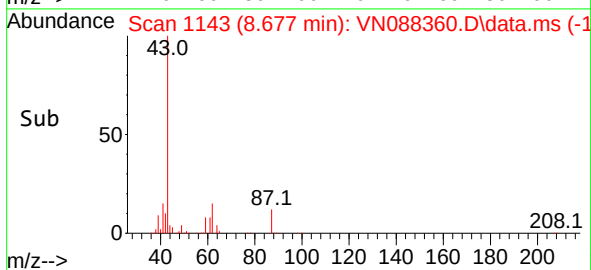
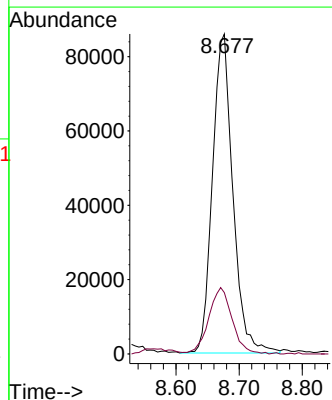
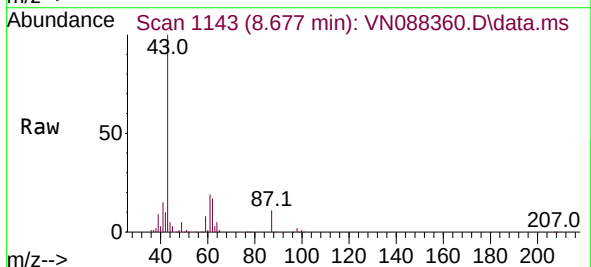
Manual Integrations
APPROVED

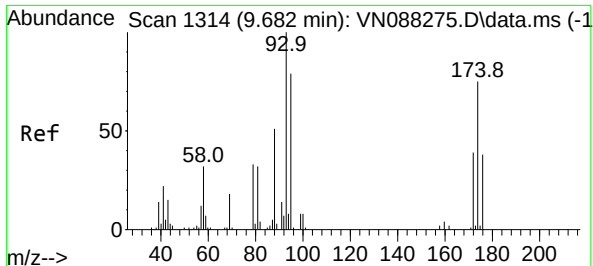
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#44
Isopropyl Acetate
Concen: 22.284 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

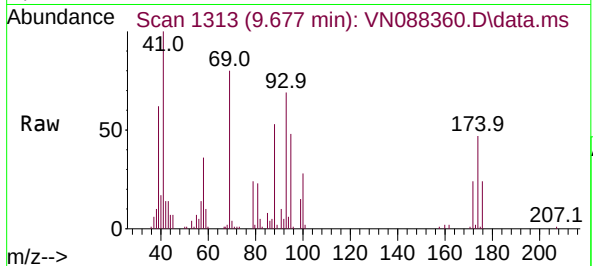
Tgt Ion: 43 Resp: 192868
Ion Ratio Lower Upper
43 100
61 23.7 19.0 28.6





#45
1,4-Dioxane
Concen: 559.864 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

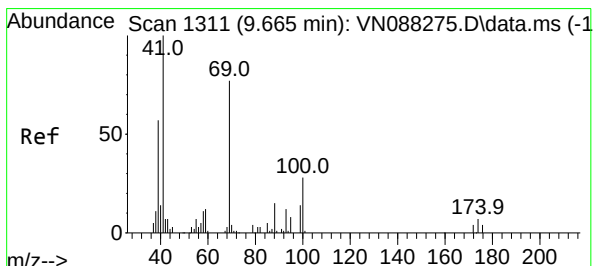
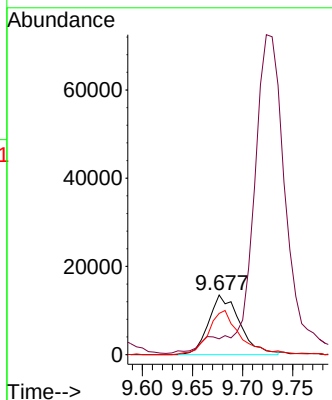
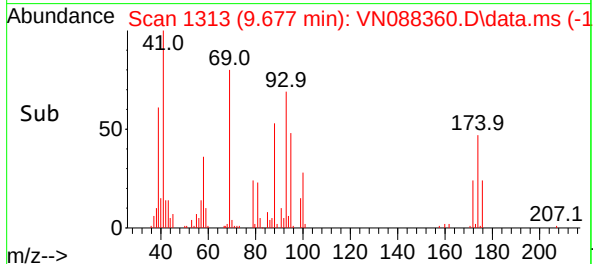
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 88 Resp: 29180
Ion Ratio Lower Upper
88 100
43 17.1 27.8 41.8
58 72.3 59.5 89.3

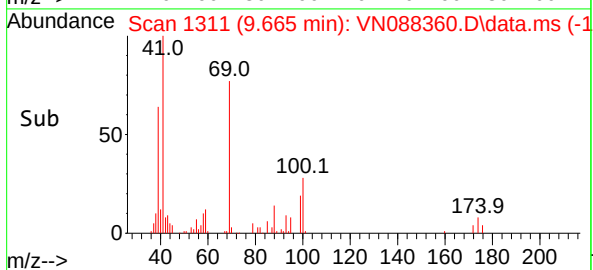
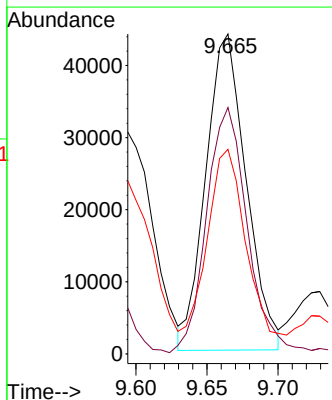
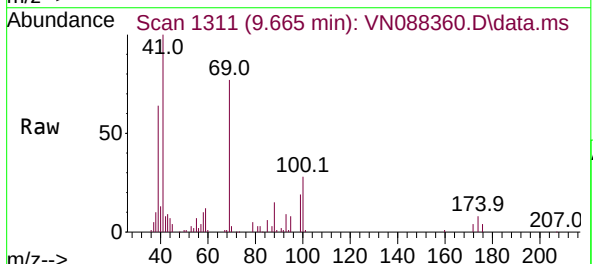
Manual Integrations
APPROVED

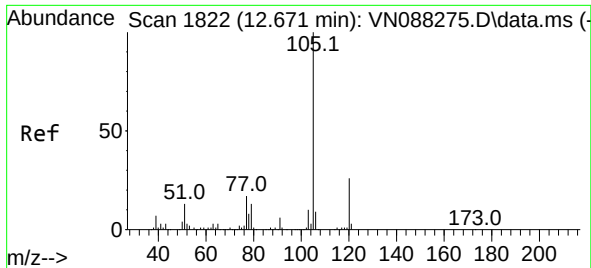
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#46
Methyl methacrylate
Concen: 21.405 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 41 Resp: 86691
Ion Ratio Lower Upper
41 100
69 80.4 38.5 115.3
39 62.2 29.0 87.1





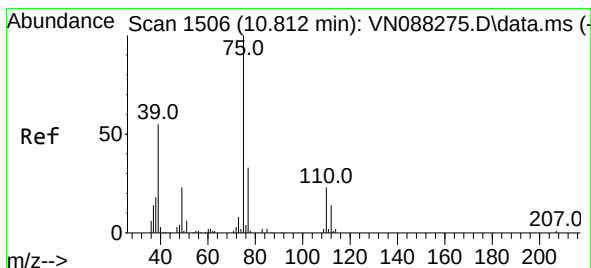
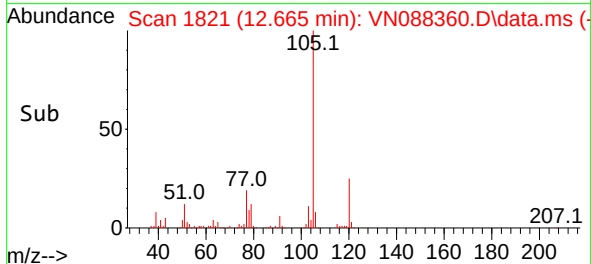
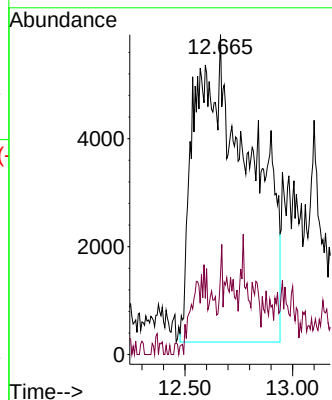
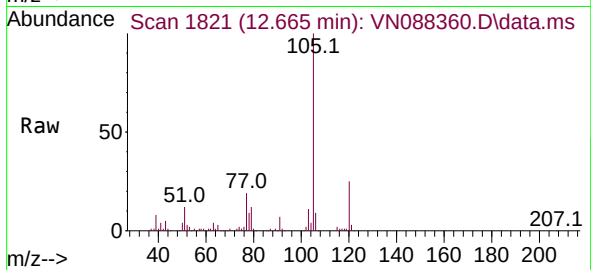
#47
n-amy1 Acetate
Concen: 22.962 ug/l m
RT: 12.665 min Scan# 1822
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 43 Resp: 100705
Ion Ratio Lower Upper
43 100
55 1.6 0.0 0.0

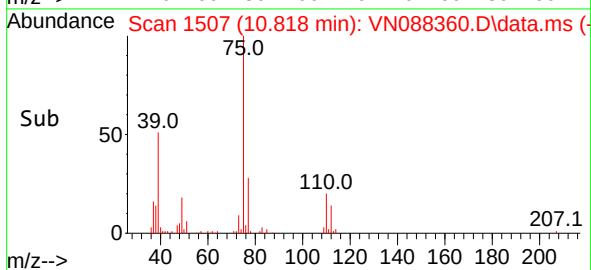
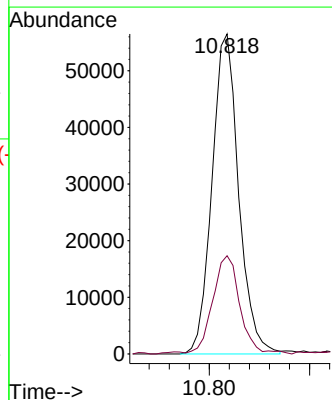
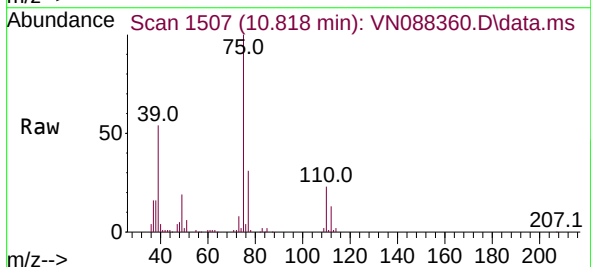
Manual Integrations
APPROVED

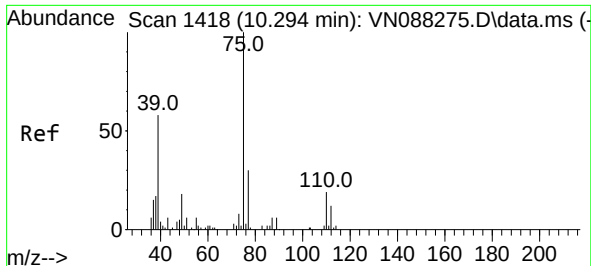
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#48
t-1,3-Dichloropropene
Concen: 20.233 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 75 Resp: 104159
Ion Ratio Lower Upper
75 100
77 30.1 26.1 39.1





#49

cis-1,3-Dichloropropene

Concen: 20.052 ug/l

RT: 10.288 min Scan# 1418

Delta R.T. -0.006 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

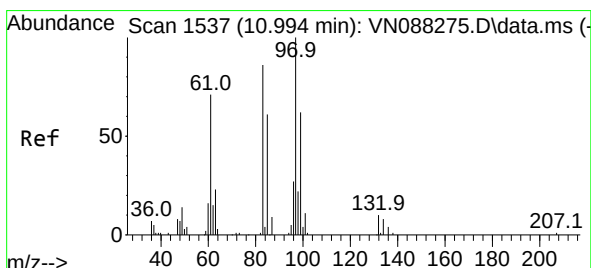
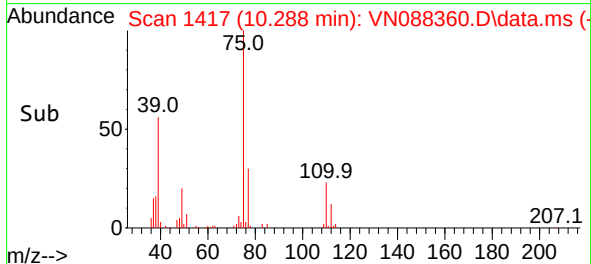
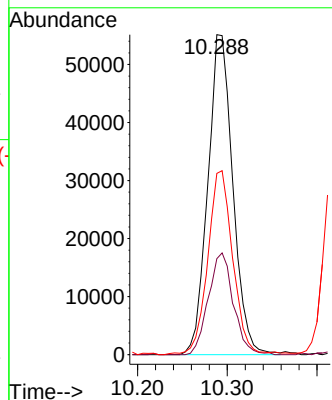
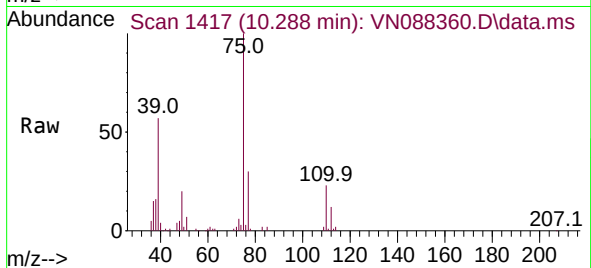
Tgt Ion: 75	Resp: 107404
Ion Ratio	Lower Upper
75 100	
77 30.0	24.4 36.6
39 56.2	46.1 69.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#50

1,1,2-Trichloroethane

Concen: 22.086 ug/l

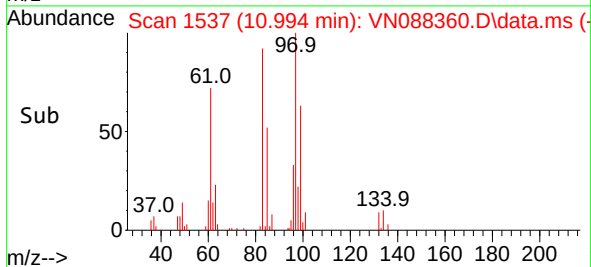
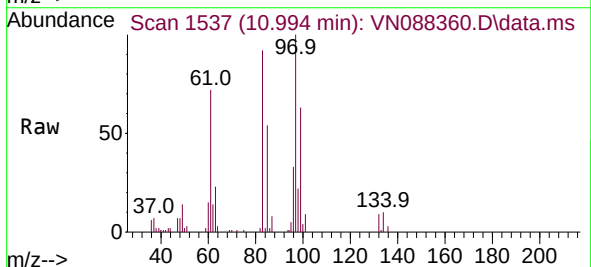
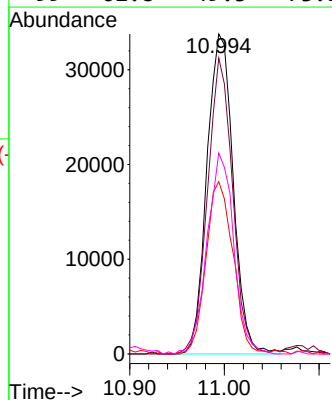
RT: 10.994 min Scan# 1537

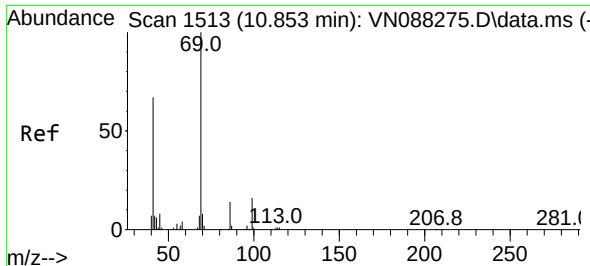
Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

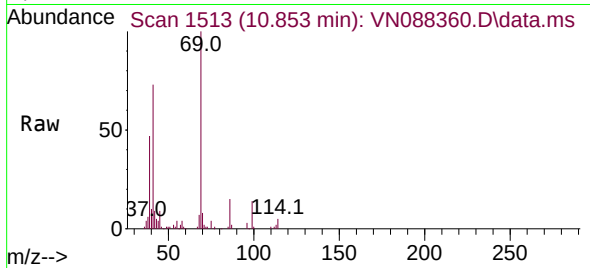
Tgt Ion: 97	Resp: 65293
Ion Ratio	Lower Upper
97 100	
83 92.0	68.6 102.8
85 53.3	49.0 73.6
99 62.8	49.3 73.9





#51
Ethyl methacrylate
Concen: 19.587 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

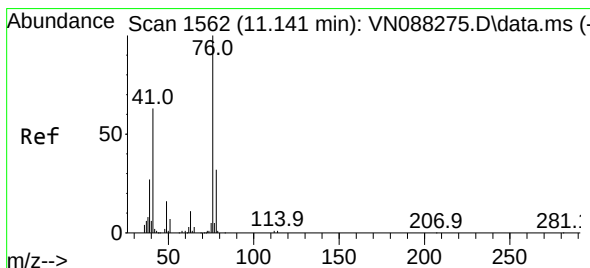
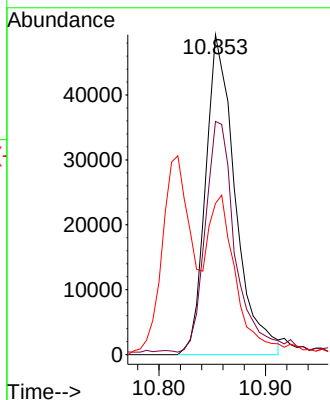
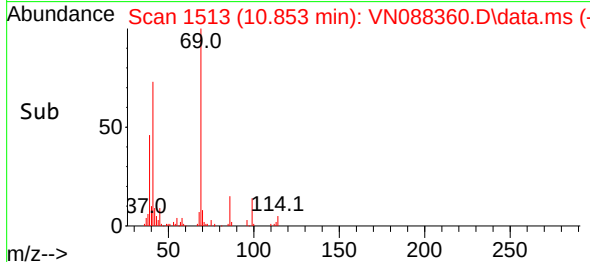
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 69 Resp: 9527
Ion Ratio Lower Upper
69 100
41 72.1 33.6 100.8
39 43.9 23.4 70.2

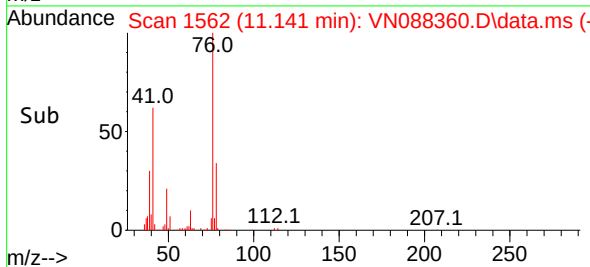
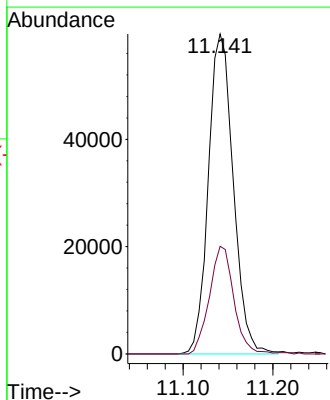
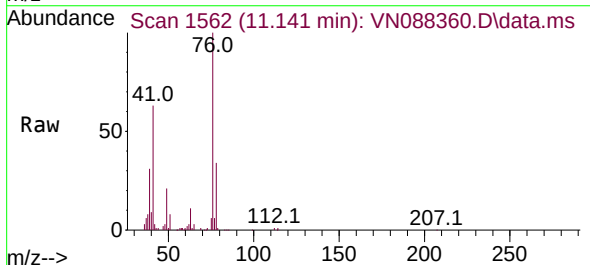
Manual Integrations
APPROVED

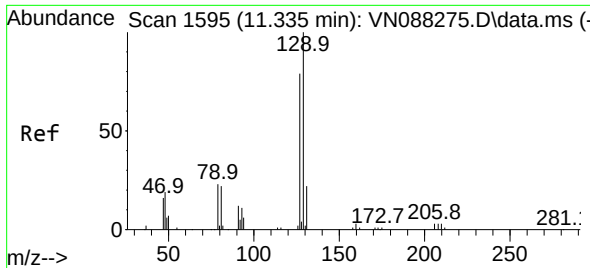
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#52
1,3-Dichloropropane
Concen: 21.437 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

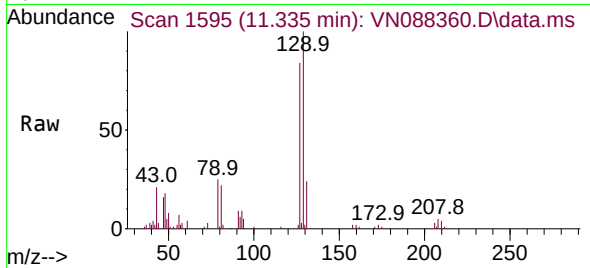
Tgt Ion: 76 Resp: 115419
Ion Ratio Lower Upper
76 100
78 32.7 0.0 64.2





#53
Dibromochloromethane
Concen: 21.208 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

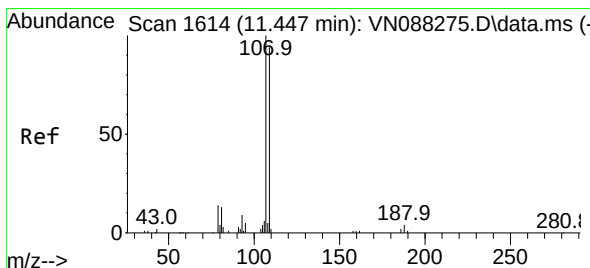
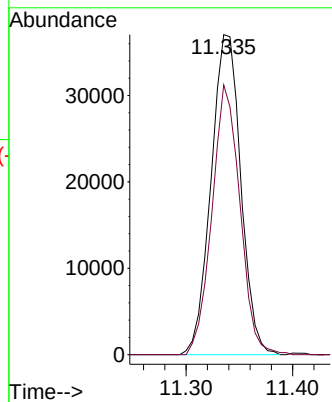
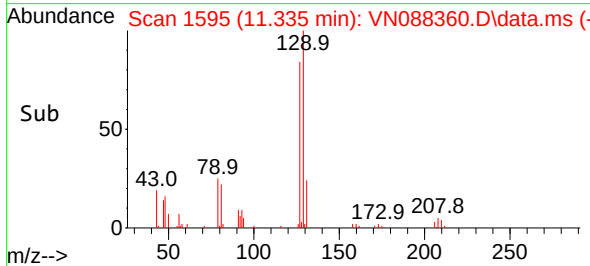
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



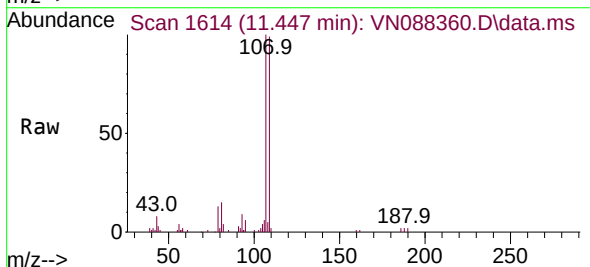
Tgt Ion:129 Resp: 72019
Ion Ratio Lower Upper
129 100
127 79.2 38.2 114.6

Manual Integrations
APPROVED

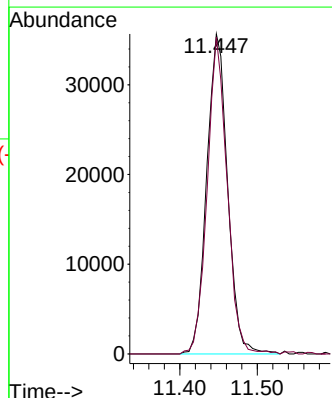
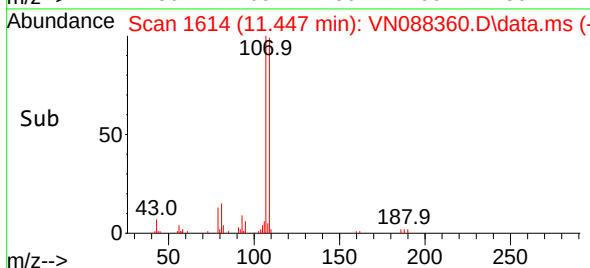
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

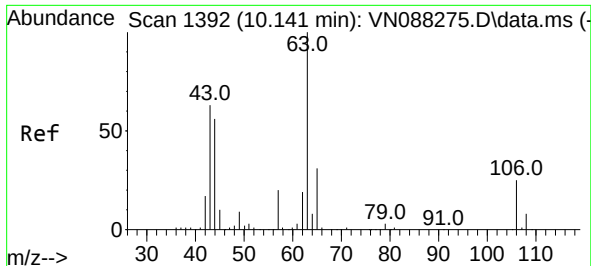


#54
1,2-Dibromoethane
Concen: 21.719 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06



Tgt Ion:107 Resp: 66715
Ion Ratio Lower Upper
107 100
109 94.0 76.6 115.0





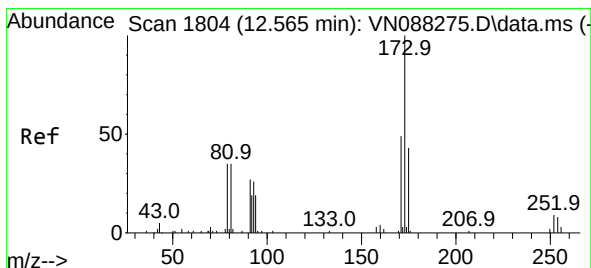
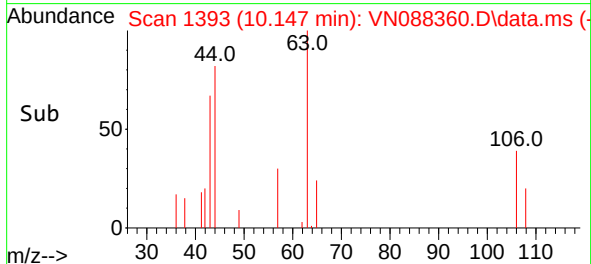
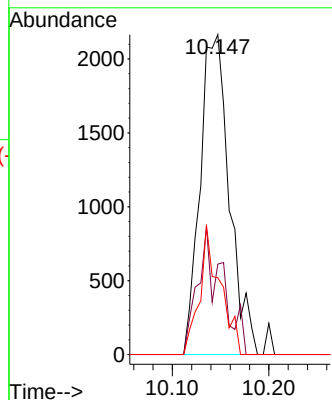
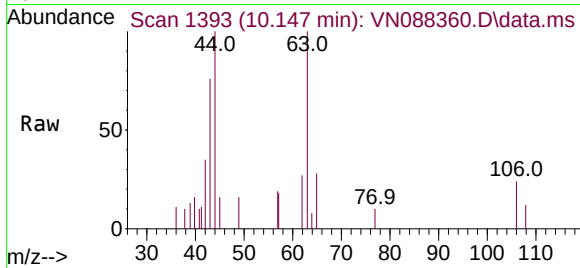
#55
2-Chloroethyl vinyl ether
Concen: 1.655 ug/l m
RT: 10.147 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 63 Resp: 4636
Ion Ratio Lower Upper
63 100
65 12.2 24.9 37.3
106 0.0 20.3 30.5

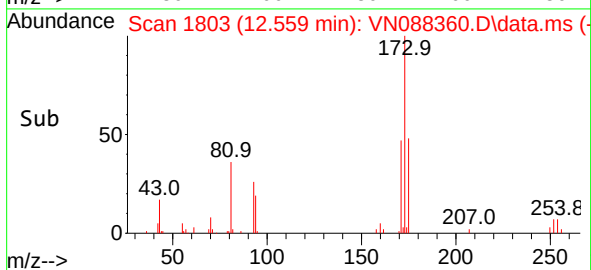
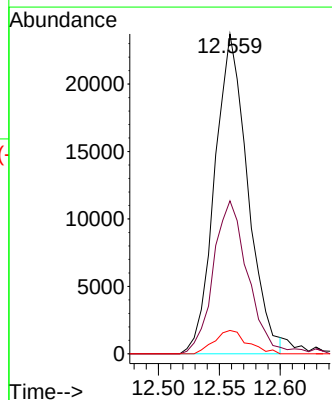
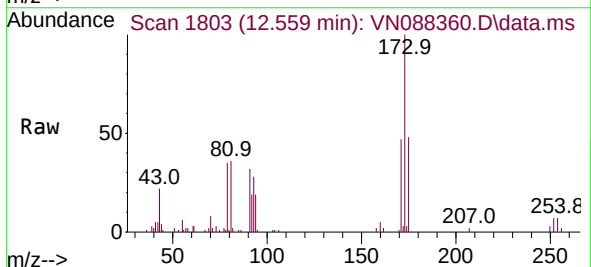
Manual Integrations
APPROVED

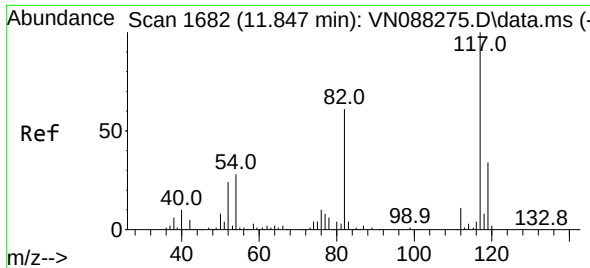
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#56
Bromoform
Concen: 20.834 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion:173 Resp: 44780
Ion Ratio Lower Upper
173 100
175 49.6 37.7 56.5
254 7.4 5.9 8.9





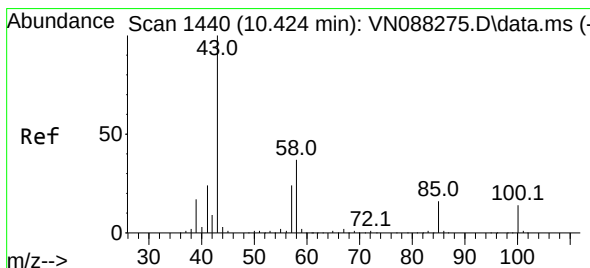
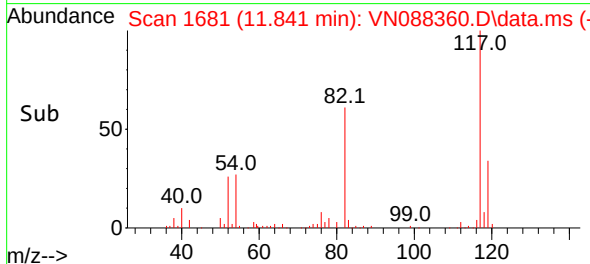
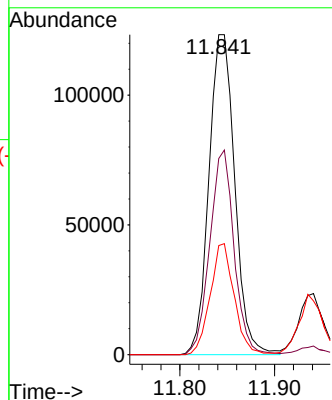
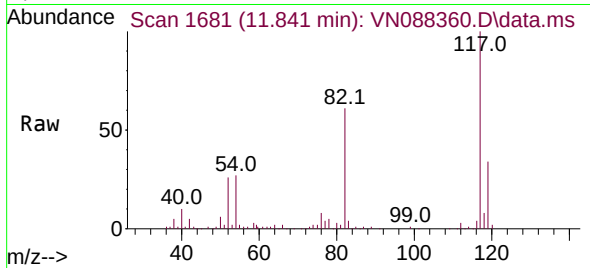
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:117 Resp: 233753
Ion Ratio Lower Upper
117 100
82 60.2 49.3 73.9
119 32.3 26.4 39.6

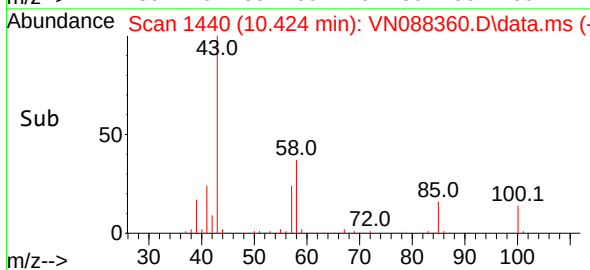
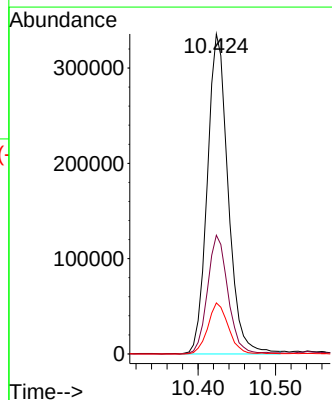
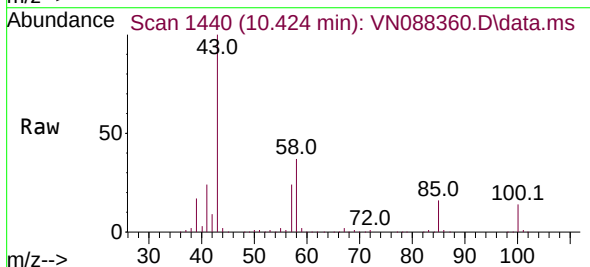
Manual Integrations
APPROVED

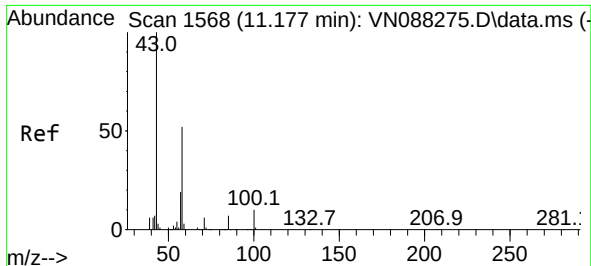
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#58
4-Methyl-2-Pentanone
Concen: 118.670 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

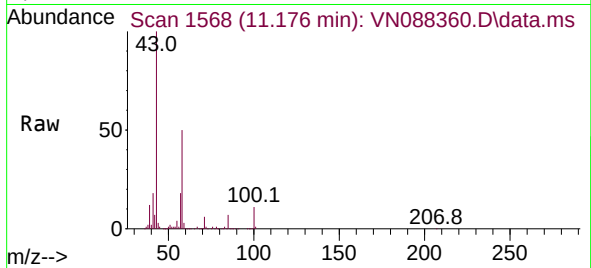
Tgt Ion: 43 Resp: 627398
Ion Ratio Lower Upper
43 100
58 36.1 29.2 43.8
85 15.6 12.6 19.0





#59
2-Hexanone
Concen: 116.133 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

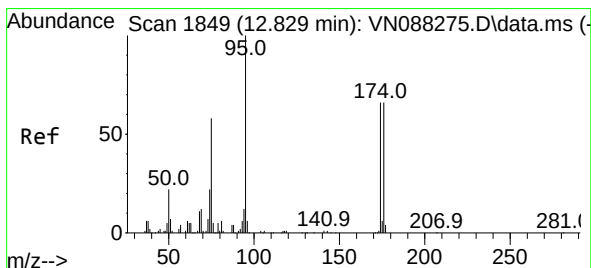
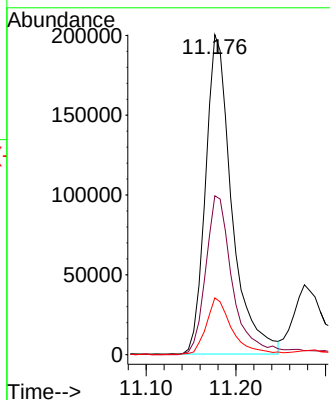
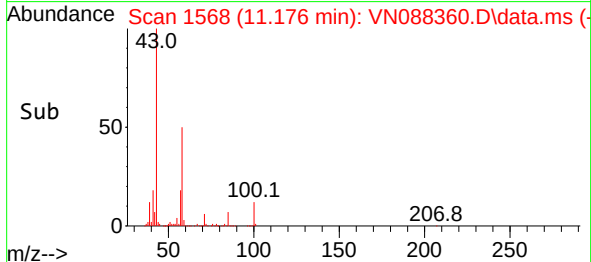
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion: 43 Resp: 407703
Ion Ratio Lower Upper
43 100
58 49.4 41.0 61.4
57 17.3 14.4 21.6

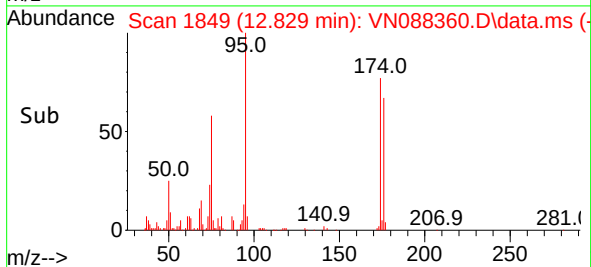
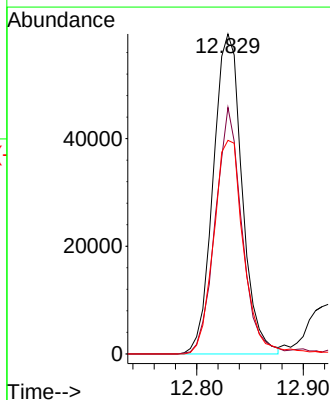
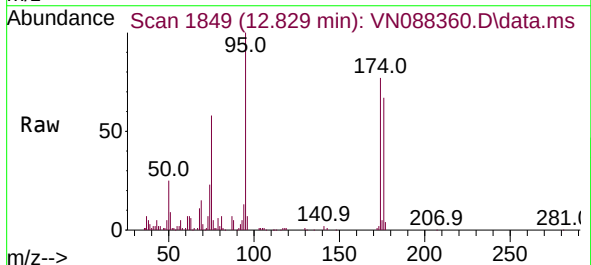
Manual Integrations
APPROVED

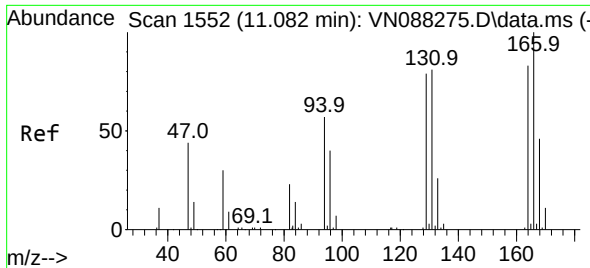
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#60
4-Bromofluorobenzene
Concen: 28.292 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

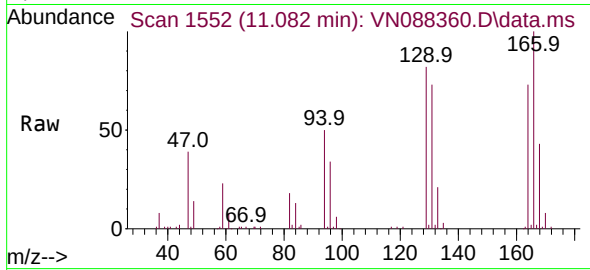
Tgt Ion: 95 Resp: 111794
Ion Ratio Lower Upper
95 100
174 71.1 54.5 81.7
176 68.7 53.8 80.6





#61
Tetrachloroethene
Concen: 23.047 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

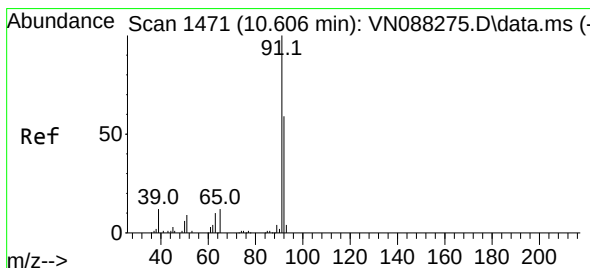
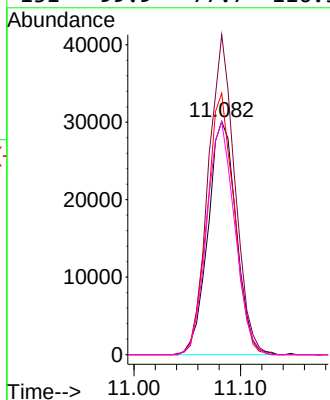
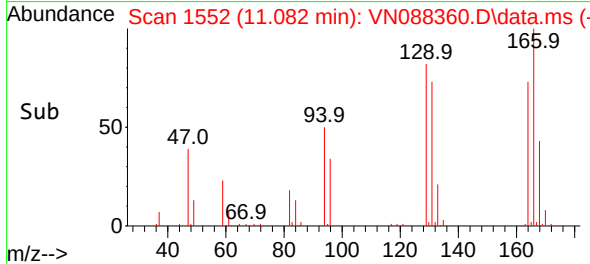
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:164 Resp: 55543
Ion Ratio Lower Upper
164 100
166 137.3 96.3 144.5
129 112.1 76.2 114.2
131 99.9 77.7 116.5

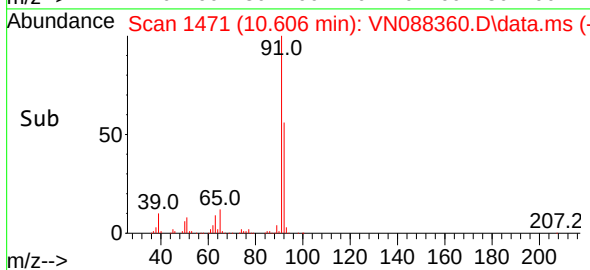
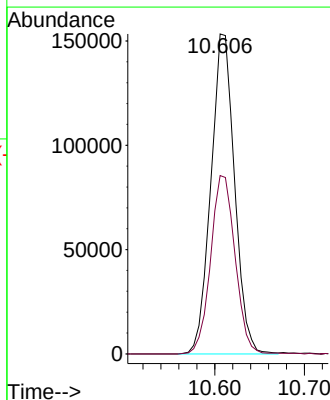
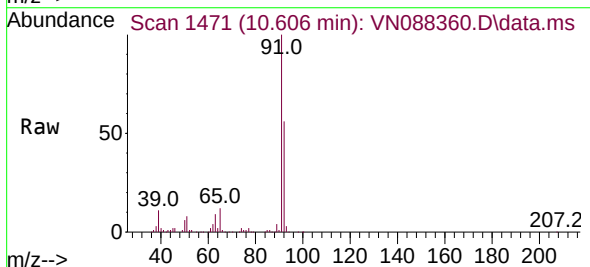
Manual Integrations
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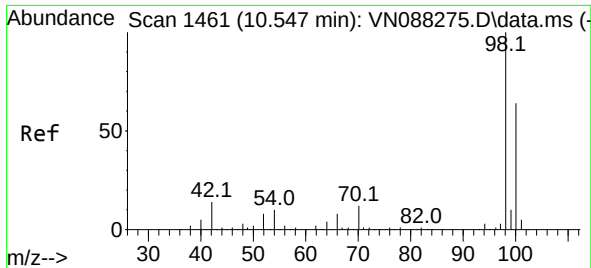
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#62
Toluene
Concen: 20.994 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

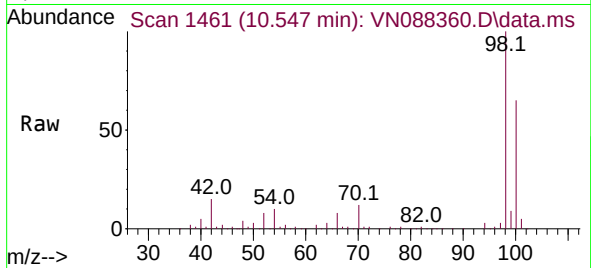
Tgt Ion: 91 Resp: 281612
Ion Ratio Lower Upper
91 100
92 57.4 46.7 70.1





#63
Toluene-d8
Concen: 30.399 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

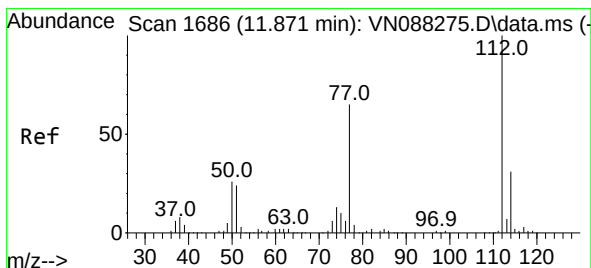
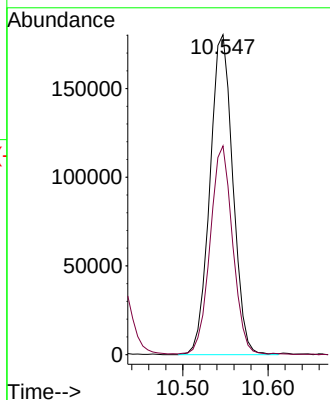
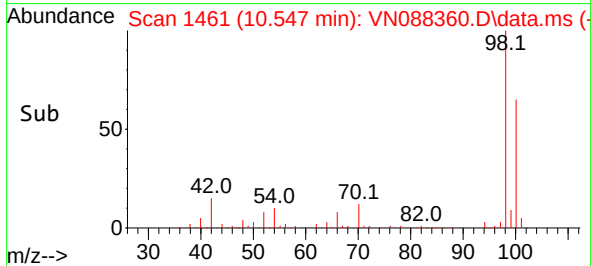
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



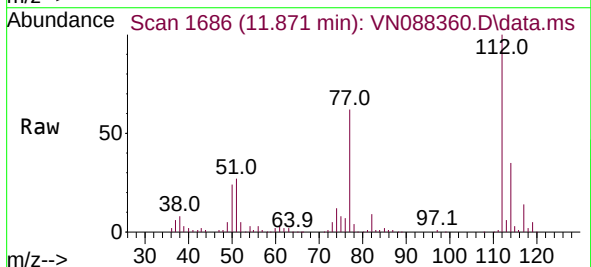
Tgt Ion: 98 Resp: 336421
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

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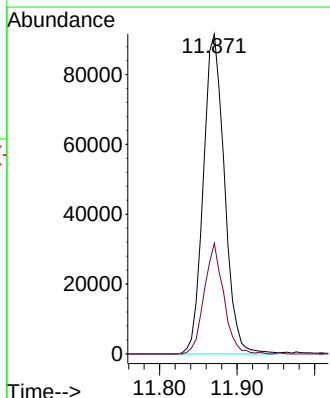
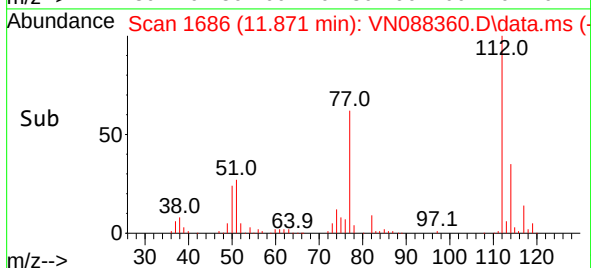
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

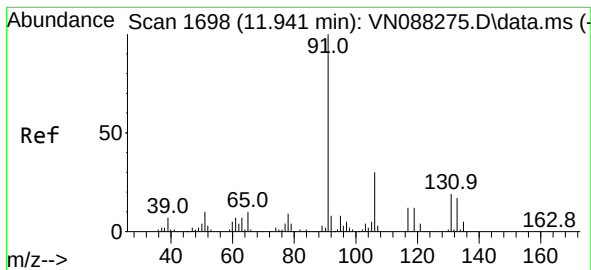


#64
Chlorobenzene
Concen: 20.890 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06



Tgt Ion:112 Resp: 173548
Ion Ratio Lower Upper
112 100
114 34.4 25.0 37.4





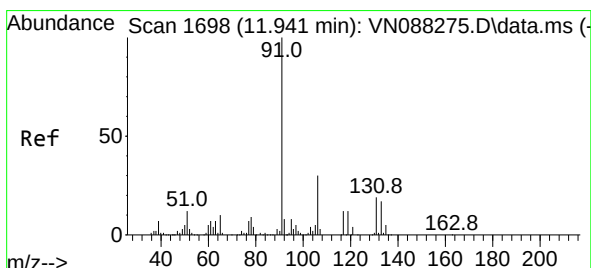
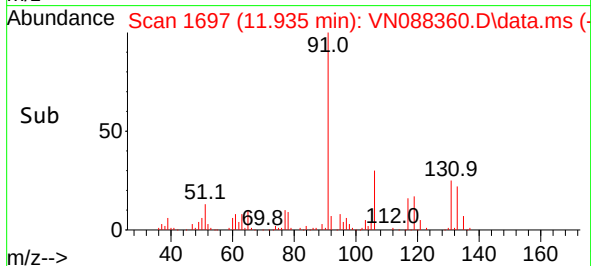
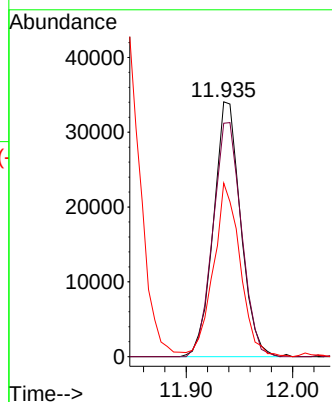
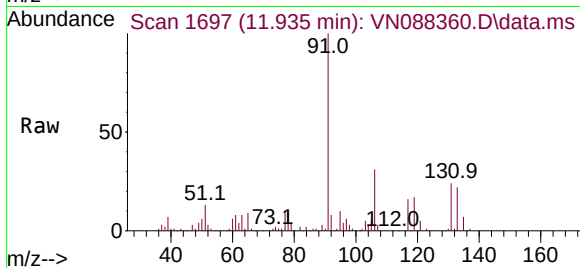
#65
1,1,1,2-Tetrachloroethane
Concen: 21.229 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:131 Resp: 60366
Ion Ratio Lower Upper
131 100
133 96.3 0.0 181.4
119 67.0 0.0 135.0

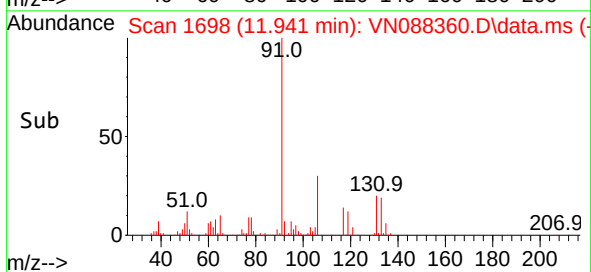
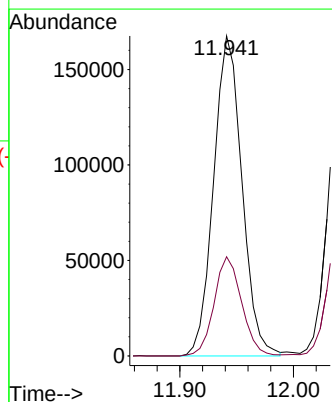
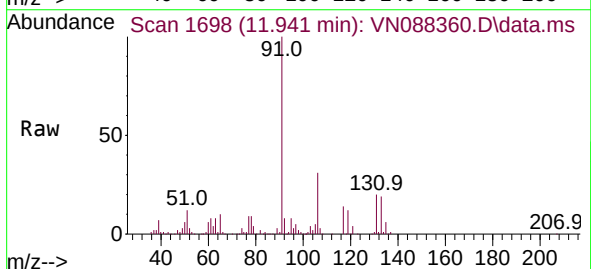
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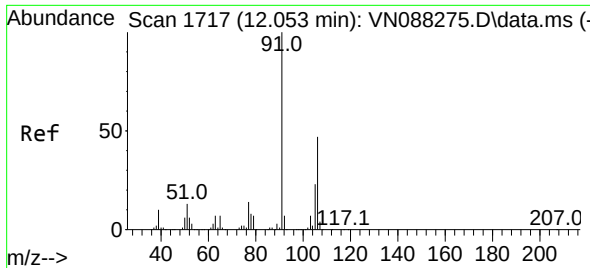
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#66
Ethyl Benzene
Concen: 19.675 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 91 Resp: 290884
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6





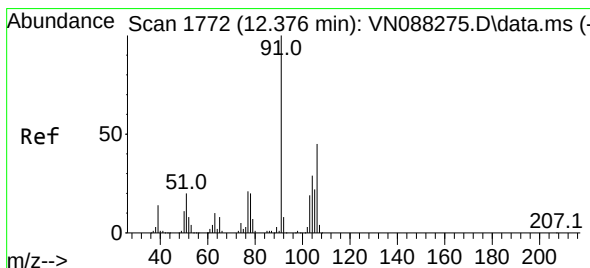
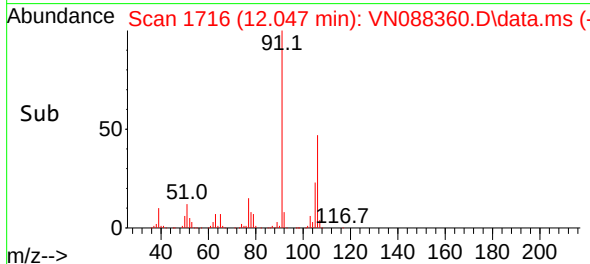
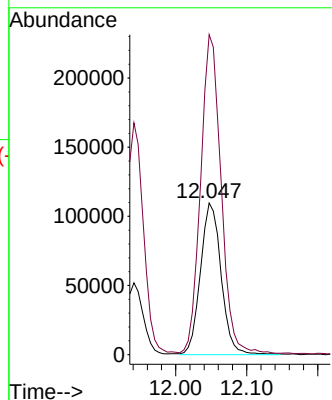
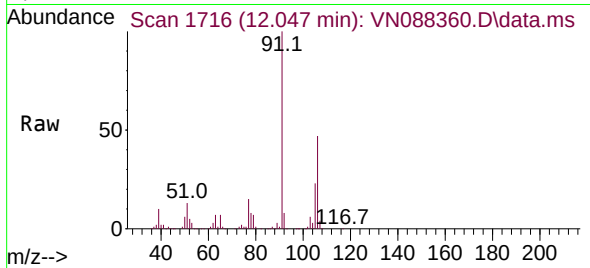
#67
m/p-Xylenes
Concen: 40.044 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:106 Resp: 221392
Ion Ratio Lower Upper
106 100
91 209.7 168.3 252.5

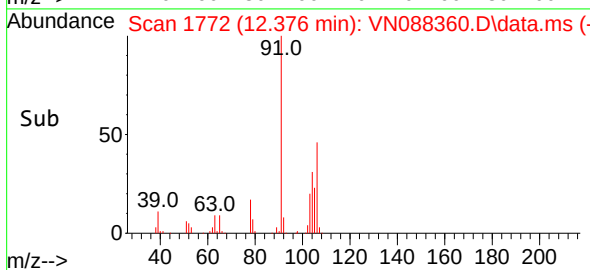
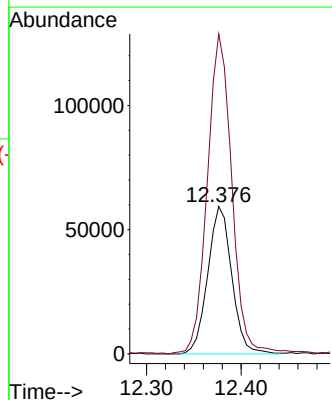
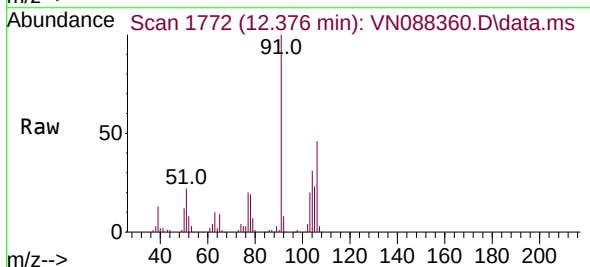
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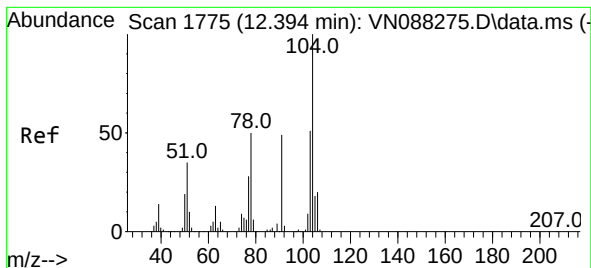
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#68
o-Xylene
Concen: 20.115 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion:106 Resp: 104910
Ion Ratio Lower Upper
106 100
91 222.0 114.0 342.0





#69

Styrene

Concen: 20.152 ug/l

RT: 12.388 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

EFF-WWMS

Tgt Ion:104 Resp: 178508

Ion Ratio Lower Upper

104 100

78 52.5 43.8 65.8

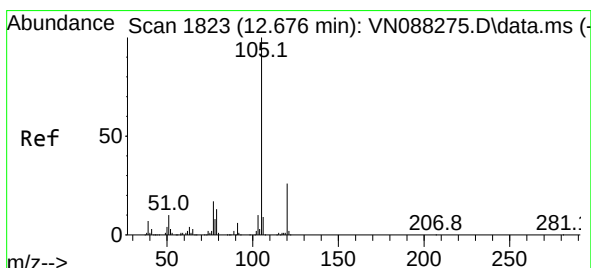
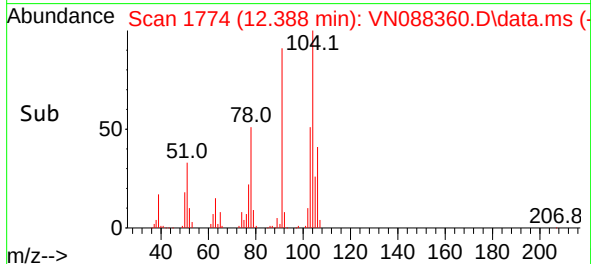
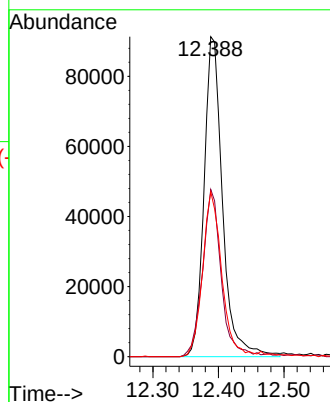
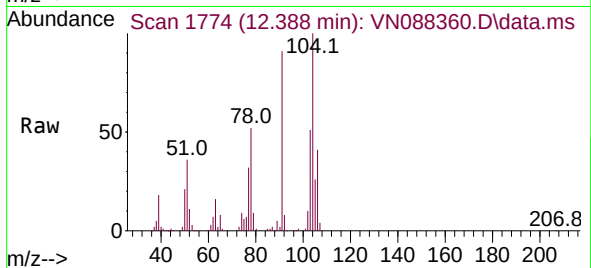
103 52.5 44.8 67.2

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Reviewed By :John Carlone 11/26/2025

Supervised By :Mahesh Dadoda 11/26/2025



#70

Isopropylbenzene

Concen: 19.262 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. -0.000 min

Lab File: VN088360.D

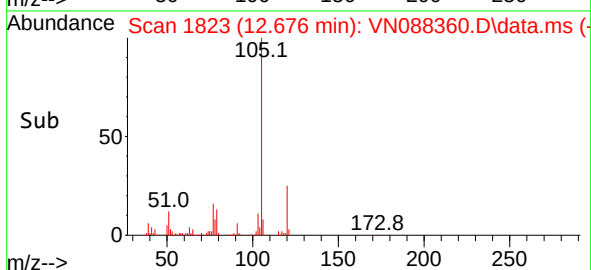
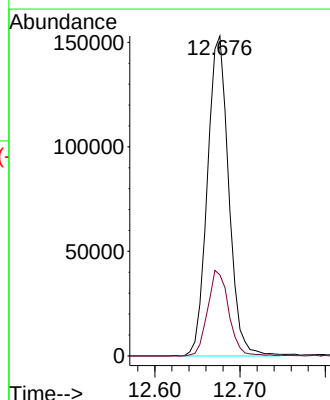
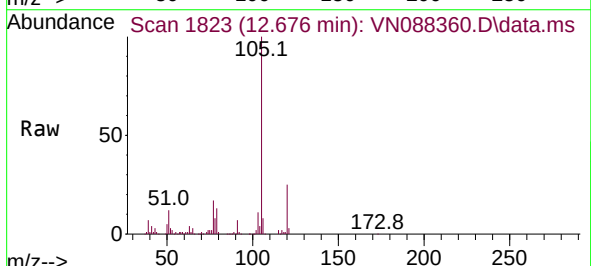
Acq: 25 Nov 2025 14:06

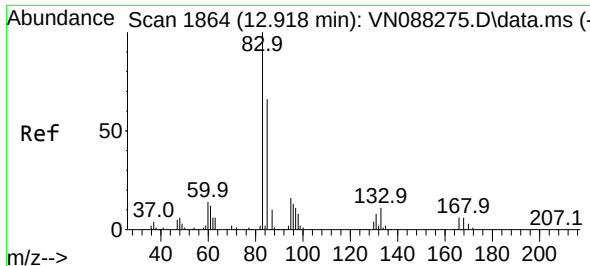
Tgt Ion:105 Resp: 266241

Ion Ratio Lower Upper

105 100

120 26.4 18.2 33.8





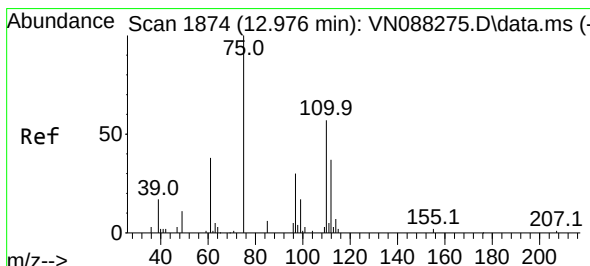
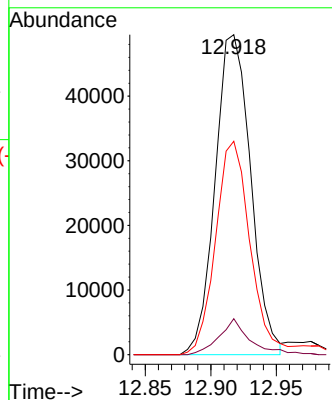
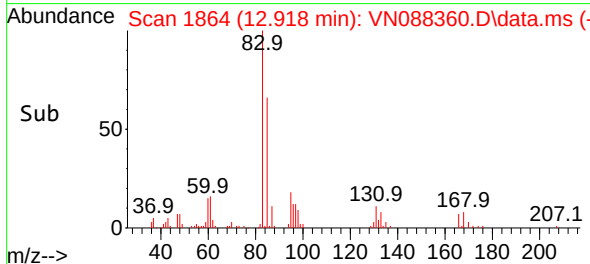
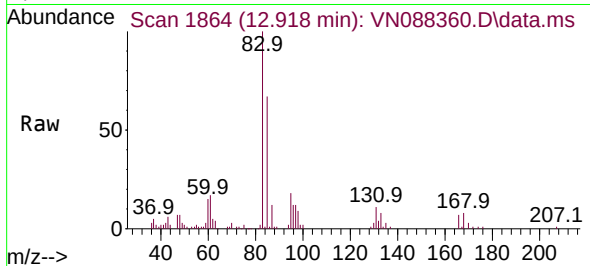
#71
1,1,2,2-Tetrachloroethane
Concen: 20.864 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 83 Resp: 93412
Ion Ratio Lower Upper
83 100
131 9.0 4.3 12.9
85 64.6 32.4 97.2

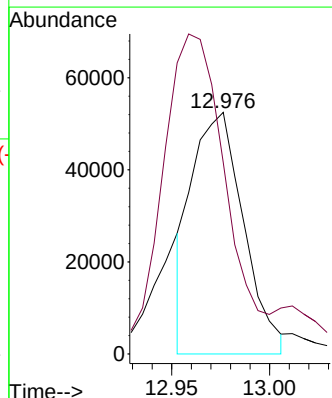
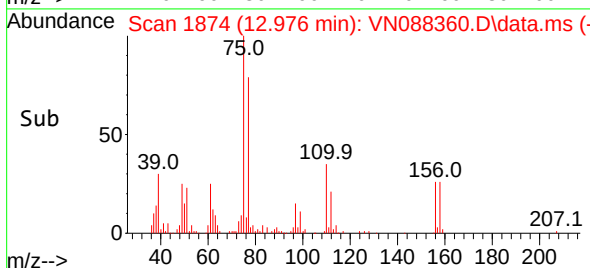
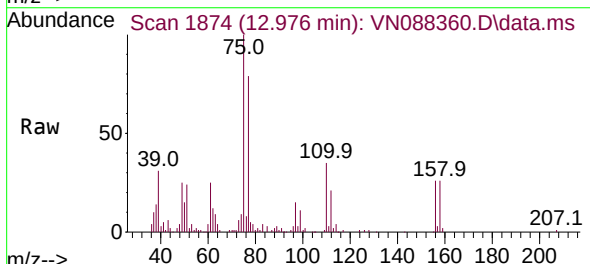
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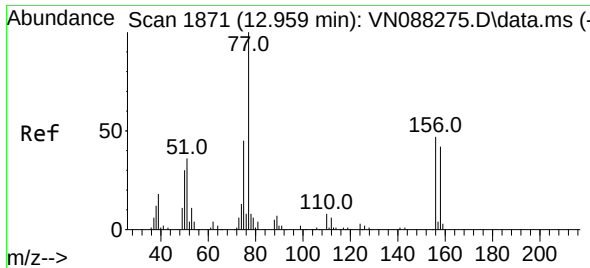
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#72
1,2,3-Trichloropropane
Concen: 22.166 ug/l m
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 75 Resp: 96143
Ion Ratio Lower Upper
75 100
77 163.0 0.0 386.6





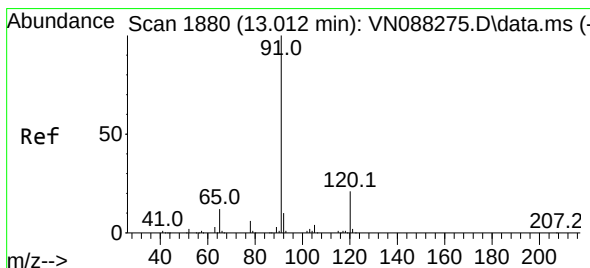
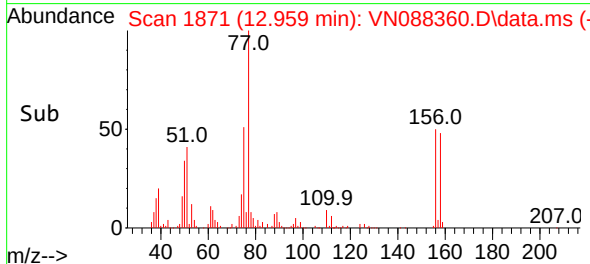
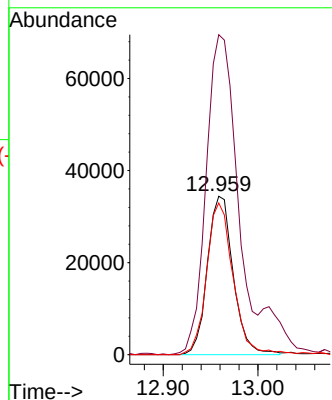
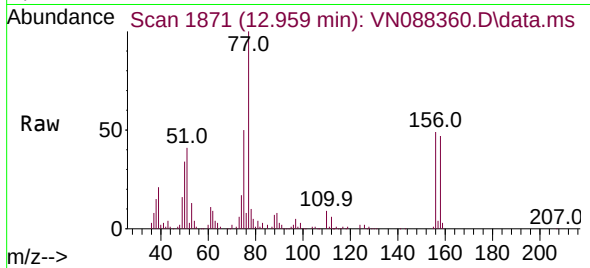
#73
Bromobenzene
Concen: 20.913 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:156 Resp: 65258
Ion Ratio Lower Upper
156 100
77 240.1 0.0 493.4
158 96.1 0.0 193.4

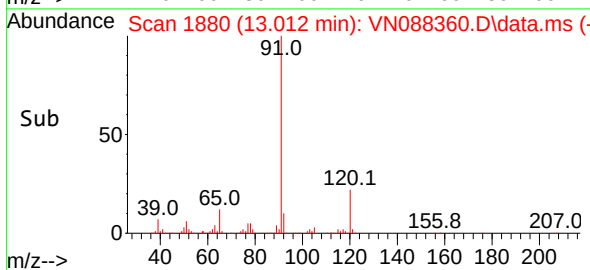
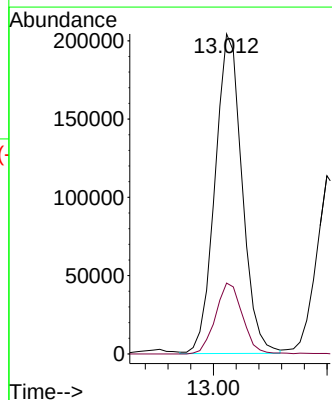
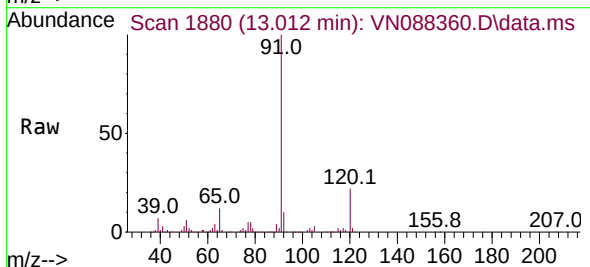
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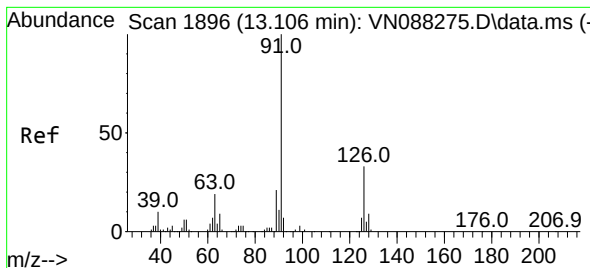
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#74
n-propylbenzene
Concen: 19.782 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion: 91 Resp: 338382
Ion Ratio Lower Upper
91 100
120 21.8 0.0 43.2





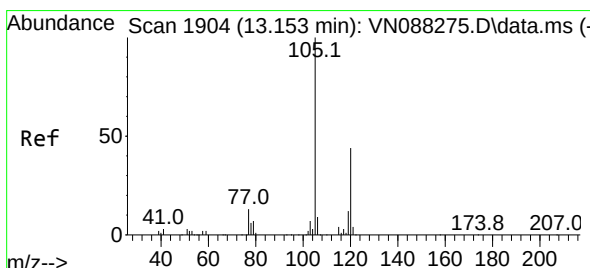
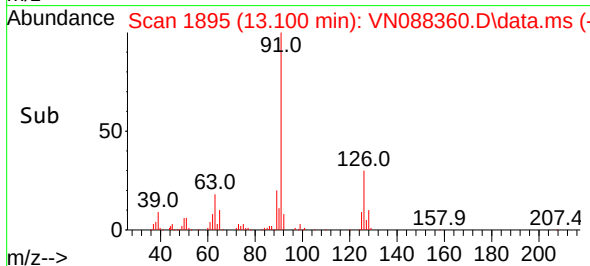
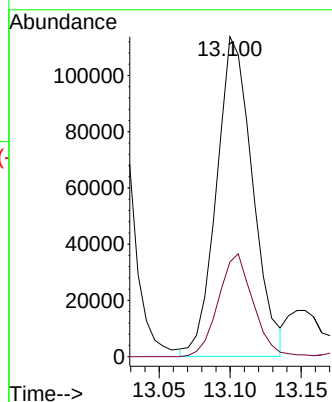
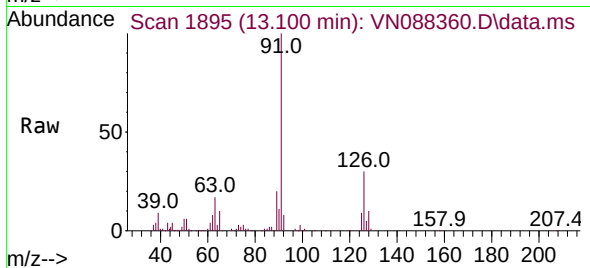
#75
2-Chlorotoluene
Concen: 19.388 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 91 Resp: 201658
Ion Ratio Lower Upper
91 100
126 30.9 0.0 62.0

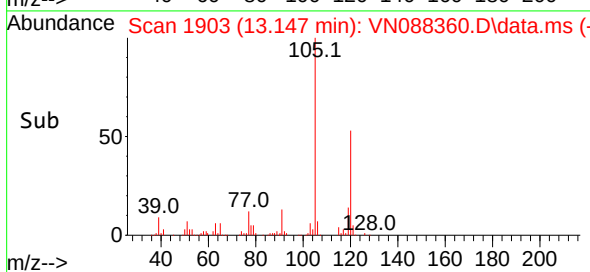
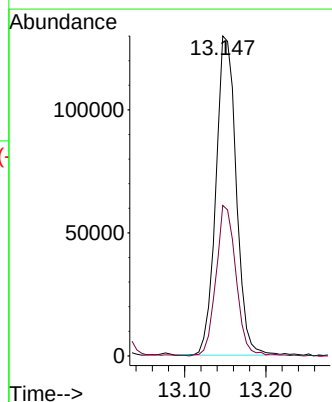
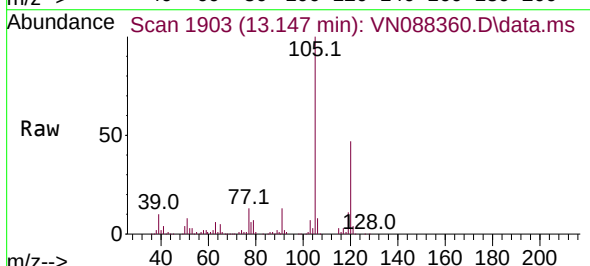
Manual Integrations
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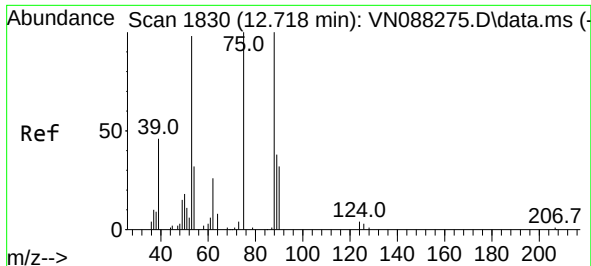
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.514 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion:105 Resp: 226409
Ion Ratio Lower Upper
105 100
120 45.9 0.0 94.6





#77

t-1,4-Dichloro-2-butene

Concen: 19.893 ug/l

RT: 12.717 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

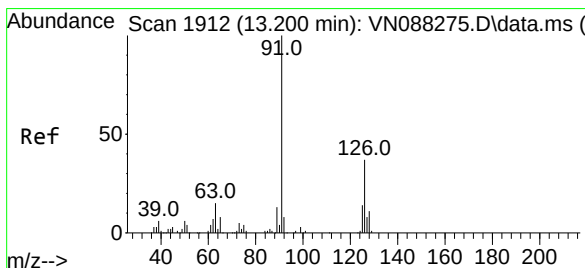
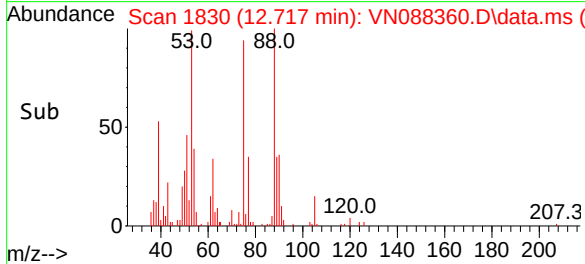
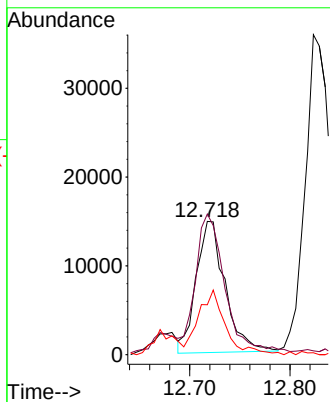
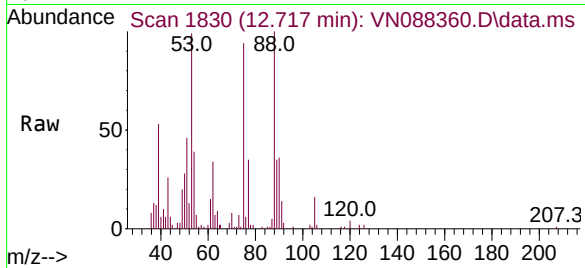
EFF-WWMS

Tgt Ion: 75	Resp: 29632
Ion Ratio	Lower Upper
75 100	
53 105.1	50.0 150.0
89 37.1	22.3 66.9

Manual Integrations

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Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#78

4-Chlorotoluene

Concen: 19.796 ug/l

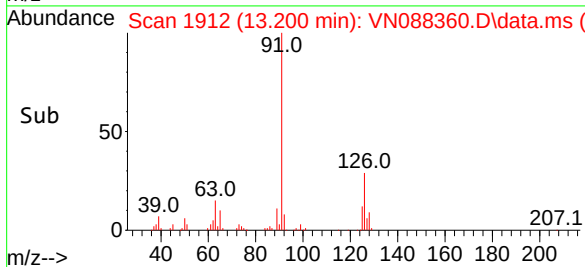
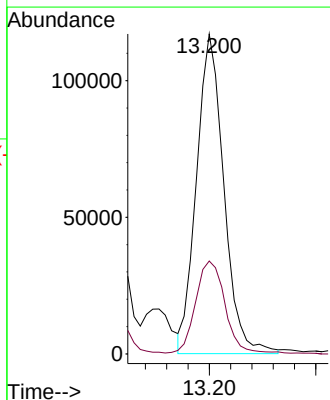
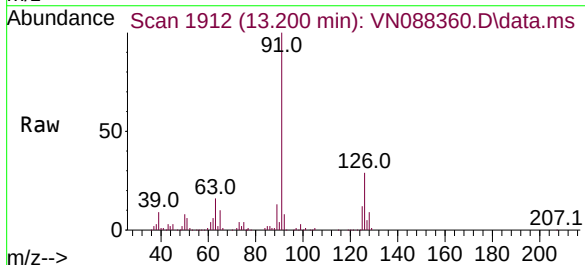
RT: 13.200 min Scan# 1912

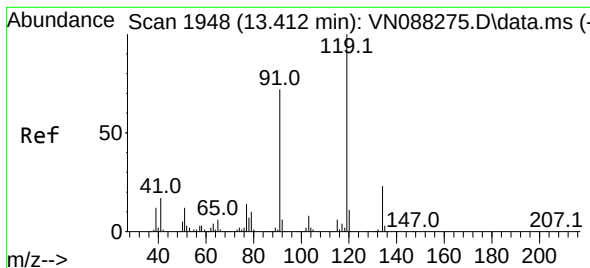
Delta R.T. -0.000 min

Lab File: VN088360.D

Acq: 25 Nov 2025 14:06

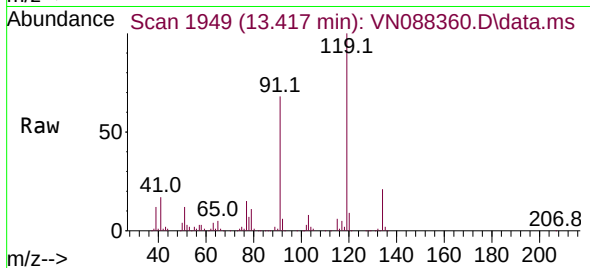
Tgt Ion: 91	Resp: 208650
Ion Ratio	Lower Upper
91 100	
126 30.4	0.0 60.8





#79
tert-butylbenzene
Concen: 18.806 ug/l
RT: 13.417 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

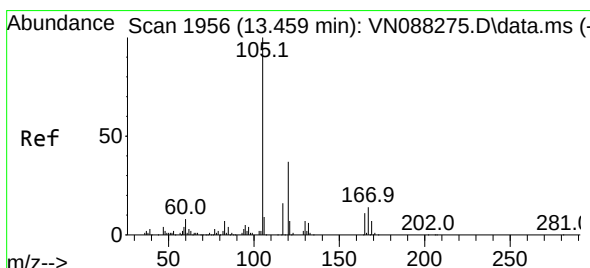
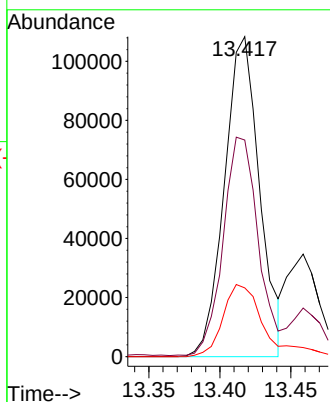
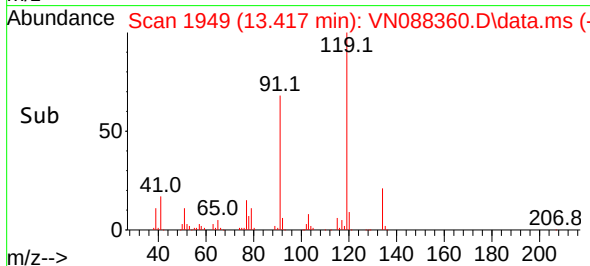
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:119 Resp: 186804
Ion Ratio Lower Upper
119 100
91 68.2 0.0 140.8
134 23.4 0.0 48.4

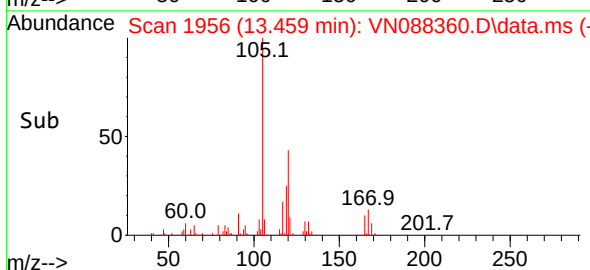
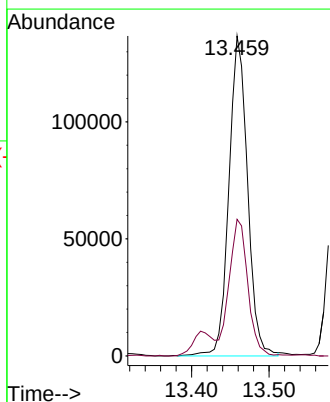
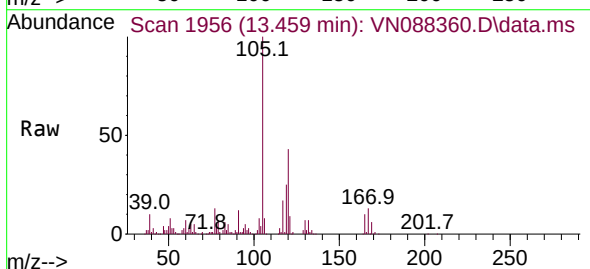
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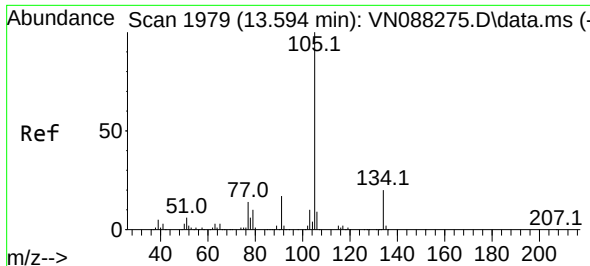
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.815 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion:105 Resp: 228610
Ion Ratio Lower Upper
105 100
120 42.5 0.0 89.2





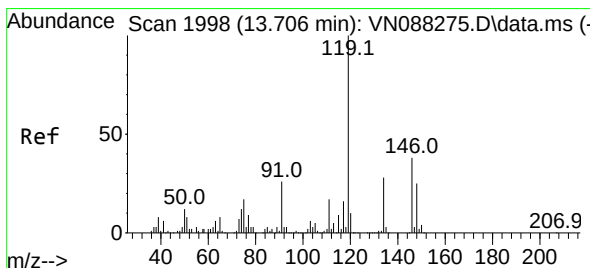
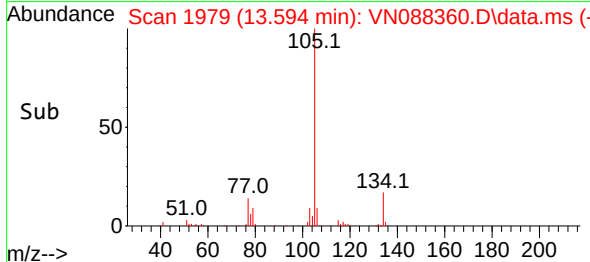
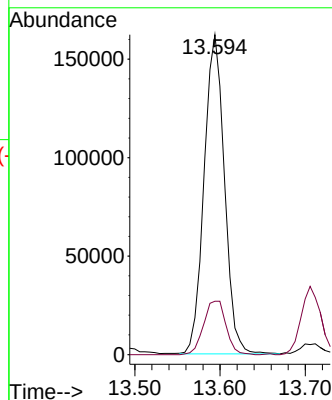
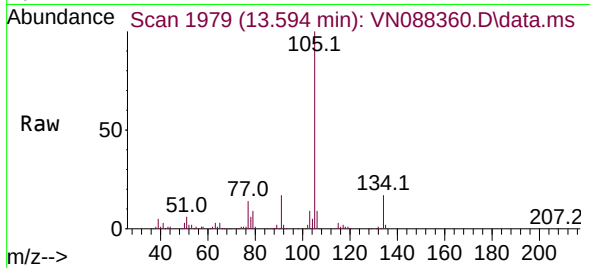
#81
 sec-Butylbenzene
 Concen: 18.568 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN088360.D
 Acq: 25 Nov 2025 14:06

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WWMS

Tgt Ion:105 Resp: 269015
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 38.4

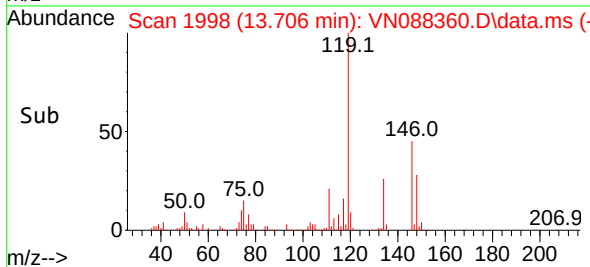
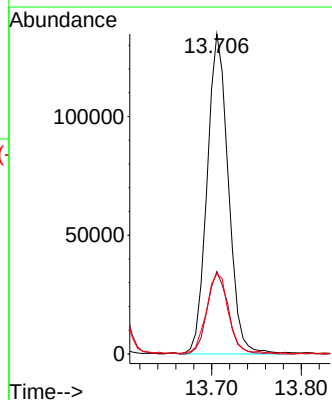
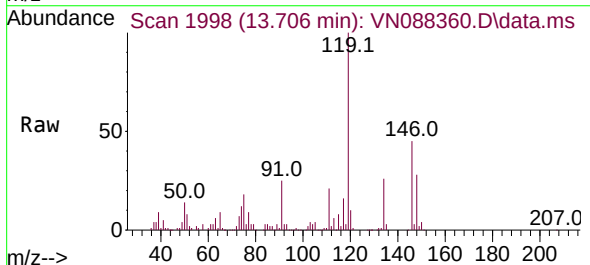
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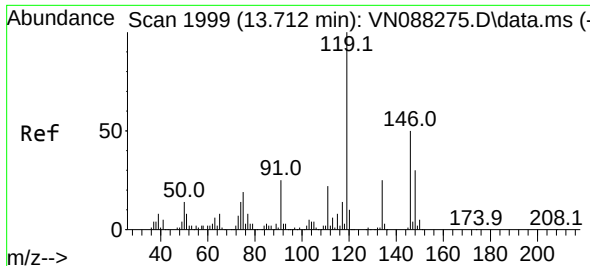
Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025



#82
 p-Isopropyltoluene
 Concen: 18.538 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088360.D
 Acq: 25 Nov 2025 14:06

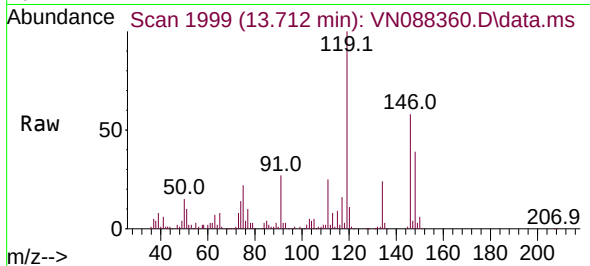
Tgt Ion:119 Resp: 221934
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 51.2
 91 25.6 0.0 53.4





#83
1,3-Dichlorobenzene
Concen: 20.185 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

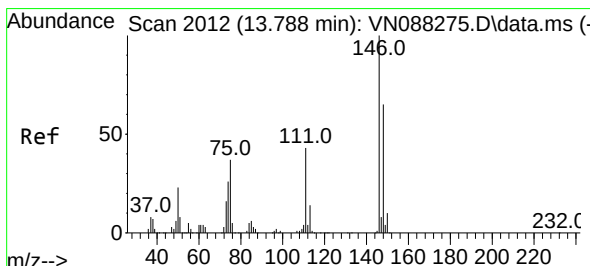
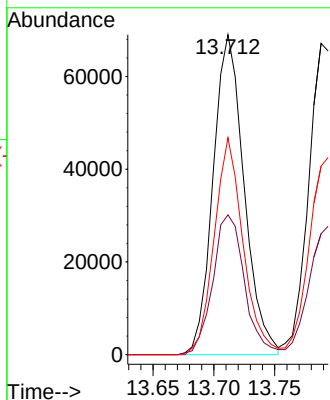
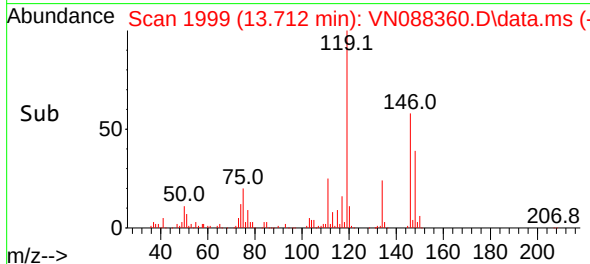
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



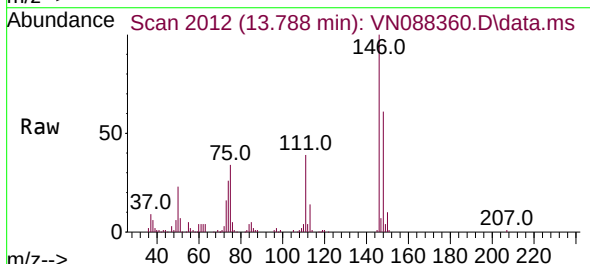
Tgt Ion:146 Resp: 122376
Ion Ratio Lower Upper
146 100
111 44.9 22.1 66.5
148 63.1 31.4 94.3

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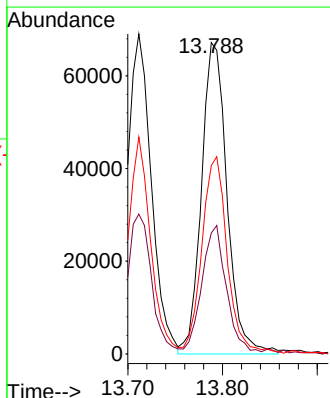
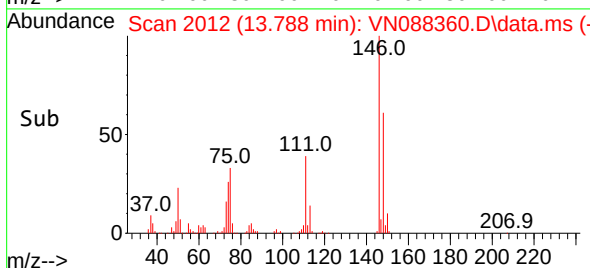
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

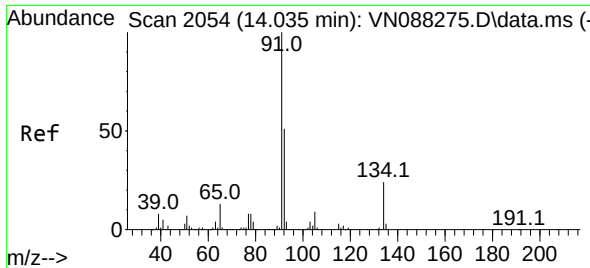


#84
1,4-Dichlorobenzene
Concen: 20.548 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06



Tgt Ion:146 Resp: 126160
Ion Ratio Lower Upper
146 100
111 39.8 21.8 65.3
148 63.3 31.9 95.5





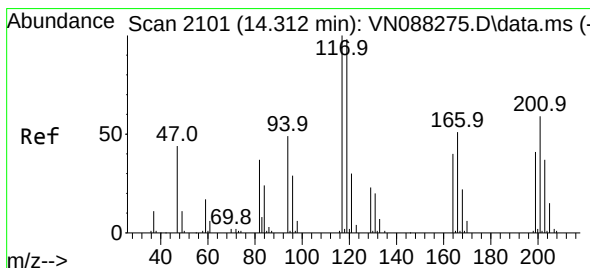
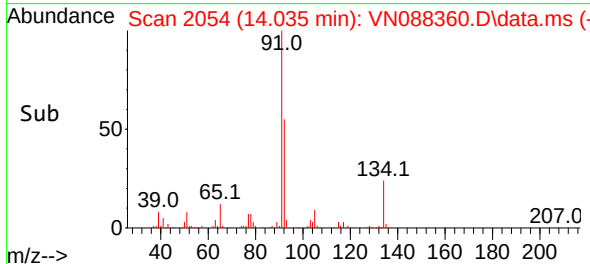
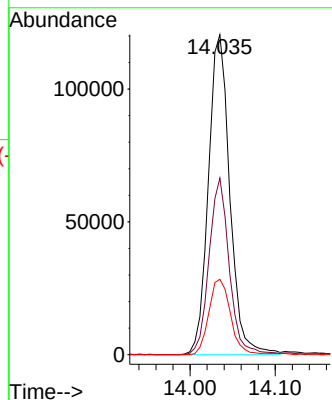
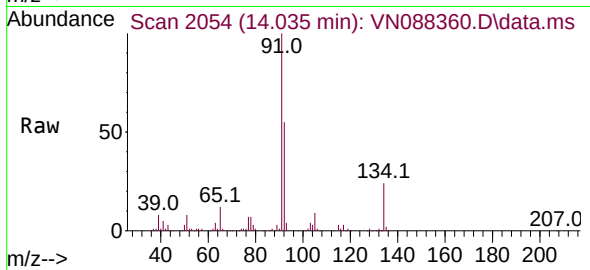
#85
n-Butylbenzene
Concen: 18.440 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion: 91 Resp: 21040
Ion Ratio Lower Upper
91 100
92 52.0 0.0 102.4
134 23.6 0.0 45.8

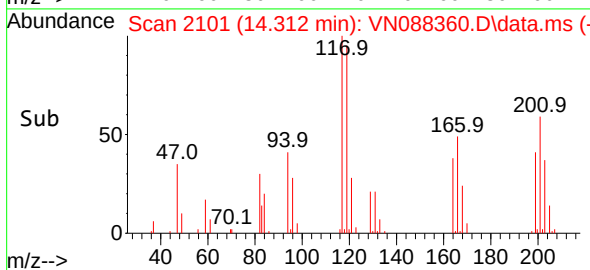
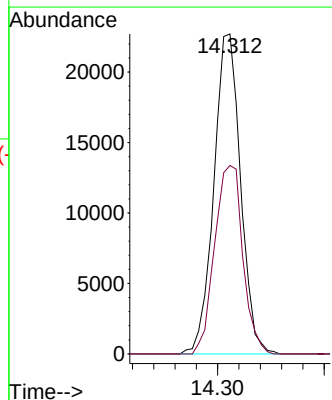
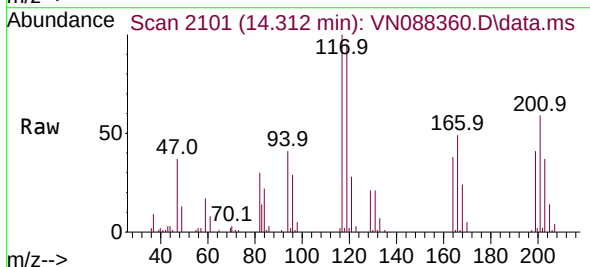
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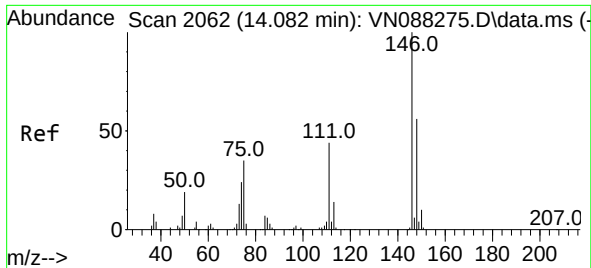
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#86
Hexachloroethane
Concen: 17.276 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion:117 Resp: 39601
Ion Ratio Lower Upper
117 100
201 62.1 30.6 92.0





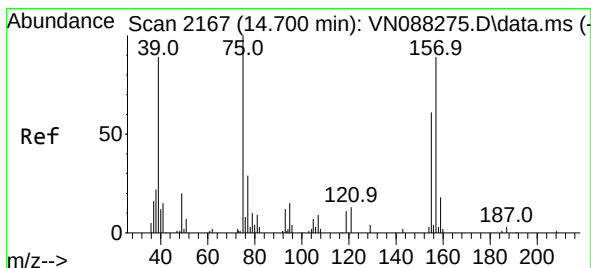
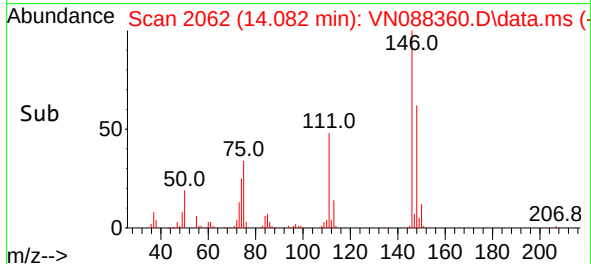
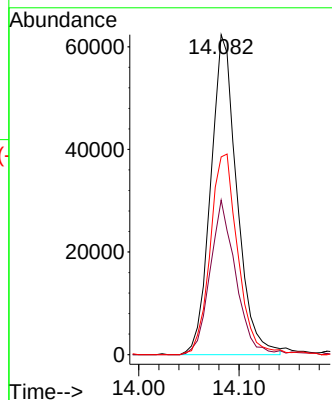
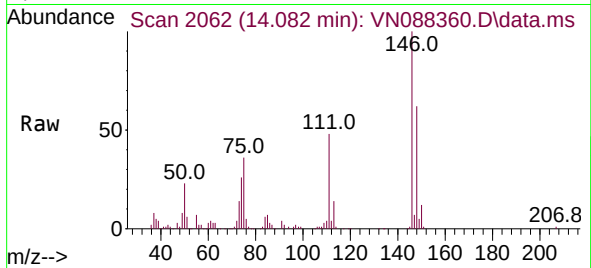
#87
1,2-Dichlorobenzene
Concen: 19.784 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Tgt Ion:146 Resp: 113216
Ion Ratio Lower Upper
146 100
111 46.9 23.0 69.0
148 66.1 31.1 93.2

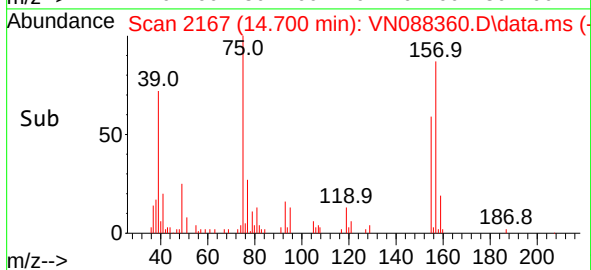
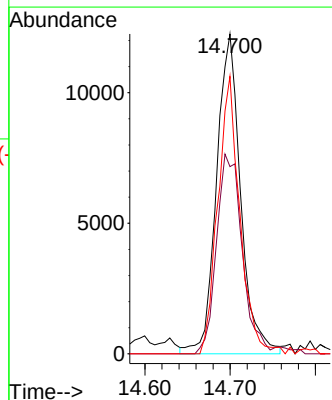
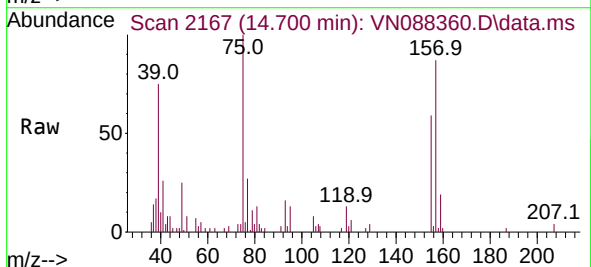
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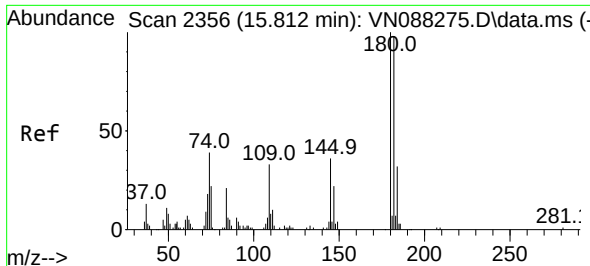
Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 22.930 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

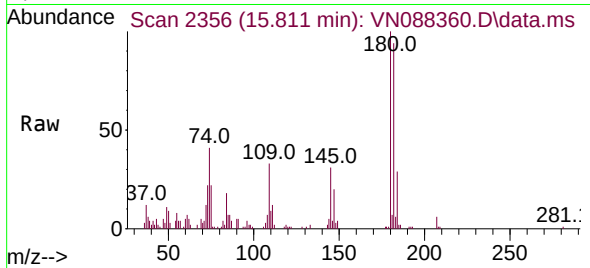
Tgt Ion: 75 Resp: 24131
Ion Ratio Lower Upper
75 100
155 65.9 54.8 82.2
157 78.5 70.7 106.1





#89
1,2,4-Trichlorobenzene
Concen: 20.346 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

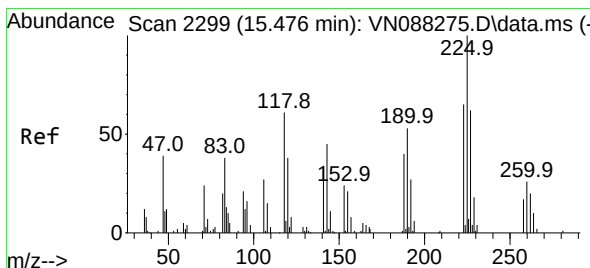
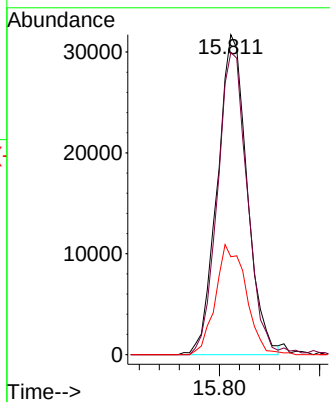
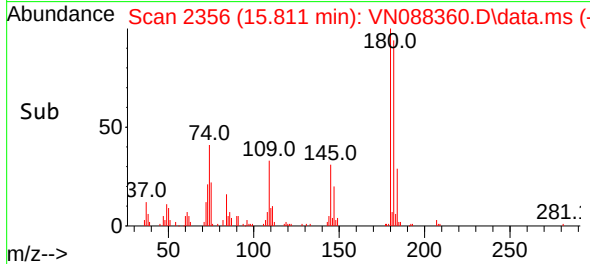
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



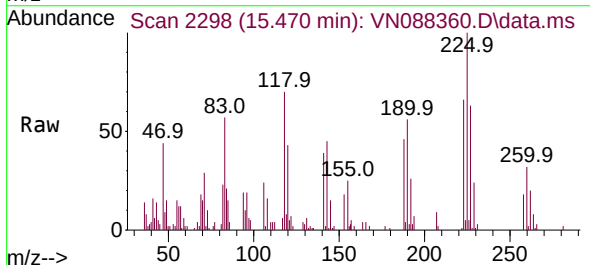
Tgt Ion:180 Resp: 65336
Ion Ratio Lower Upper
180 100
182 94.1 77.3 115.9
145 35.0 30.2 45.4

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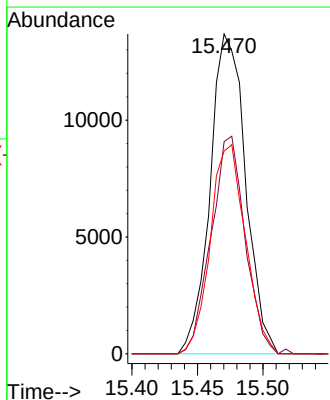
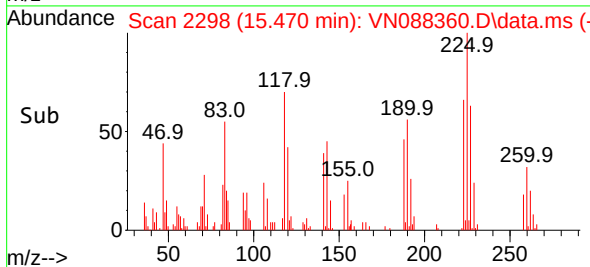
Reviewed By :John Carlone 11/26/2025
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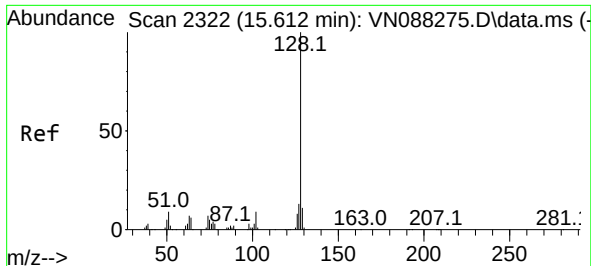


#90
Hexachlorobutadiene
Concen: 20.648 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.006 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06



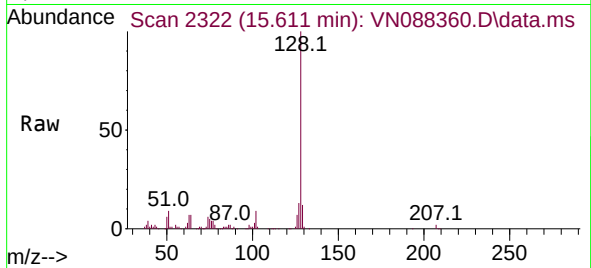
Tgt Ion:225 Resp: 25750
Ion Ratio Lower Upper
225 100
223 65.2 0.0 132.0
227 64.8 0.0 132.6





#91
Naphthalene
Concen: 21.171 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

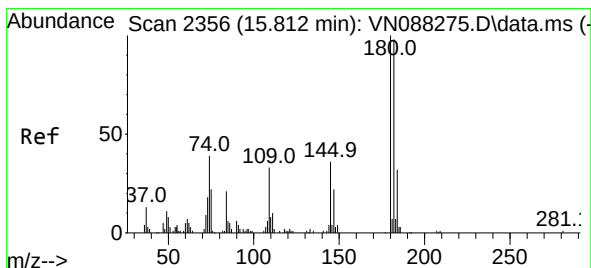
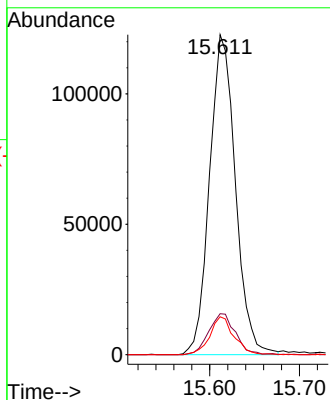
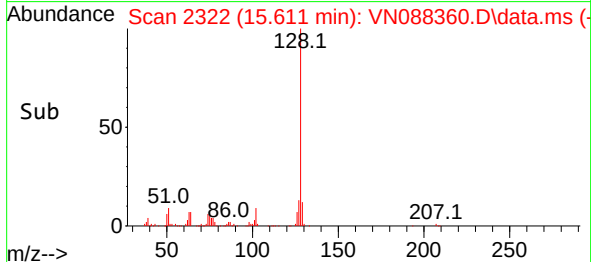
Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS



Tgt Ion:128 Resp: 245996
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.0 8.8 13.2

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#92
1,2,3-Trichlorobenzene
Concen: 20.346 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. -0.000 min
Lab File: VN088360.D
Acq: 25 Nov 2025 14:06

Tgt Ion:180 Resp: 65336
Ion Ratio Lower Upper
180 100
182 94.1 0.0 193.2
145 35.0 0.0 75.6

