

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073700.D
 Acq On : 02 Aug 2022 20:32
 Operator : JC\MD
 Sample : N3971-04MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7RMSD

Quant Time: Aug 03 02:11:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	364641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	598036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	557281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	272701	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	218012	49.060	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.120%
35) Dibromofluoromethane	7.951	113	185235	49.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.660%
50) Toluene-d8	10.380	98	738013	49.942	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.674	95	242468	49.254	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	164950	46.639	ug/l	99
3) Chloromethane	2.269	50	212581	50.010	ug/l	98
4) Vinyl Chloride	2.405	62	276903	44.766	ug/l	97
5) Bromomethane	2.781	94	132504	36.936	ug/l	99
6) Chloroethane	2.952	64	185063	51.353	ug/l	96
7) Trichlorofluoromethane	3.304	101	379045	59.459	ug/l	100
8) Diethyl Ether	3.763	74	117545	49.106	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.134	101	168786	47.855	ug/l	99
10) Methyl Iodide	4.346	142	150231	41.899	ug/l	99
11) Tert butyl alcohol	5.293	59	256444	267.587	ug/l	100
12) 1,1-Dichloroethene	4.110	96	166671	48.176	ug/l	95
13) Acrolein	3.981	56	291612	306.925	ug/l	98
14) Allyl chloride	4.763	41	258233	46.687	ug/l	98
15) Acrylonitrile	5.475	53	691687	260.916	ug/l	100
16) Acetone	4.222	43	614730	257.557	ug/l	100
17) Carbon Disulfide	4.457	76	425372	46.371	ug/l	99
18) Methyl Acetate	4.775	43	273190	46.007	ug/l	100
19) Methyl tert-butyl Ether	5.534	73	609284	51.551	ug/l	98
20) Methylene Chloride	5.010	84	205434	53.353	ug/l	95
21) trans-1,2-Dichloroethene	5.510	96	186673	49.846	ug/l	94
22) Diisopropyl ether	6.410	45	601385	50.396	ug/l	99
23) Vinyl Acetate	6.351	43	2304192	230.307	ug/l	100
24) 1,1-Dichloroethane	6.304	63	348107	47.418	ug/l	97
25) 2-Butanone	7.263	43	948370	255.860	ug/l	99
26) 2,2-Dichloropropane	7.245	77	188394	33.355	ug/l	94
27) cis-1,2-Dichloroethene	7.251	96	224670	48.691	ug/l	93
28) Bromochloromethane	7.587	49	154988	50.281	ug/l	99
29) Tetrahydrofuran	7.610	42	626404	267.295	ug/l	98
30) Chloroform	7.745	83	375073	49.037	ug/l	96
31) Cyclohexane	8.022	56	300984	45.495	ug/l	97
32) 1,1,1-Trichloroethane	7.939	97	313167	49.310	ug/l	99
36) 1,1-Dichloropropene	8.151	75	258937	48.380	ug/l	100
37) Ethyl Acetate	7.339	43	399093	56.620	ug/l	99
38) Carbon Tetrachloride	8.134	117	267428	49.196	ug/l	98
39) Methylcyclohexane	9.392	83	315334	49.303	ug/l	97
40) Benzene	8.392	78	853465	49.106	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	145983	45.769	ug/l #	90
42) 1,2-Dichloroethane	8.463	62	281484	48.055	ug/l	99
43) Isopropyl Acetate	8.492	43	465723	48.918	ug/l	99
44) Trichloroethene	9.151	130	212774	48.276	ug/l	99
45) 1,2-Dichloropropane	9.428	63	212179	48.842	ug/l	100
46) Dibromomethane	9.516	93	150650	49.965	ug/l	99
47) Bromodichloromethane	9.698	83	290389	50.181	ug/l	99
48) Methyl methacrylate	9.498	41	223982	53.747	ug/l	92
49) 1,4-Dioxane	9.504	88	124311	1058.206	ug/l	97
51) 4-Methyl-2-Pentanone	10.275	43	1832930	268.424	ug/l	100
52) Toluene	10.445	92	549604	51.771	ug/l	99
53) t-1,3-Dichloropropene	10.663	75	288677	50.496	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	309075	47.977	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	227820	51.462	ug/l	97
56) Ethyl methacrylate	10.704	69	353031	57.861	ug/l	98
57) 1,3-Dichloropropane	10.986	76	380655	50.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.016	63	66	9.961	ug/l #	44
59) 2-Hexanone	11.027	43	1452714	280.798	ug/l	100
60) Dibromochloromethane	11.180	129	235711	53.521	ug/l	99
61) 1,2-Dibromoethane	11.286	107	238918	52.402	ug/l	99
64) Tetrachloroethene	10.916	164	200480	45.267	ug/l	95
65) Chlorobenzene	11.710	112	584969	49.419	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	219626	51.729	ug/l	100
67) Ethyl Benzene	11.786	91	1050349	52.597	ug/l	99
68) m/p-Xylenes	11.892	106	813057	106.750	ug/l	99
69) o-Xylene	12.222	106	402343	54.184	ug/l	100
70) Styrene	12.233	104	673279	56.642	ug/l	98
71) Bromoform	12.398	173	192528	54.938	ug/l #	99
73) Isopropylbenzene	12.522	105	1044197	52.308	ug/l	99
74) N-amyl acetate	12.333	43	359809	47.705	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.769	83	372468	48.352	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	447995	92.411	ug/l #	1
77) Bromobenzene	12.804	156	263946	50.773	ug/l	96
78) n-propylbenzene	12.863	91	1190588	53.006	ug/l	99
79) 2-Chlorotoluene	12.945	91	711208	50.732	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	874265	53.218	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.569	75	97673	46.416	ug/l	100
82) 4-Chlorotoluene	13.045	91	687615	51.752	ug/l	99
83) tert-Butylbenzene	13.263	119	796217	54.719	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	871054	53.924	ug/l	100
85) sec-Butylbenzene	13.439	105	1080231	53.713	ug/l	100
86) p-Isopropyltoluene	13.557	119	897460	56.608	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	471500	49.689	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	462580	48.722	ug/l	98
89) n-Butylbenzene	13.880	91	697658	54.083	ug/l	99
90) Hexachloroethane	14.151	117	158967	50.537	ug/l	98
91) 1,2-Dichlorobenzene	13.927	146	484747	50.413	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.539	75	82359	53.213	ug/l	91
93) 1,2,4-Trichlorobenzene	15.198	180	263477	55.178	ug/l	99
94) Hexachlorobutadiene	15.304	225	127653	49.174	ug/l	100
95) Naphthalene	15.433	128	943106	60.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	279064	55.528	ug/l	99

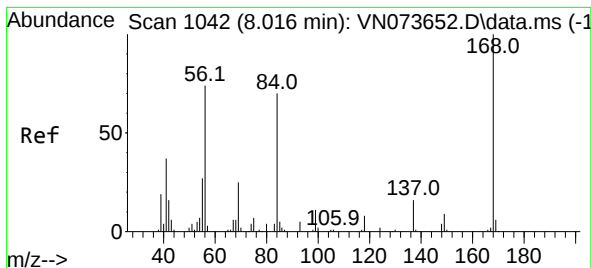
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Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

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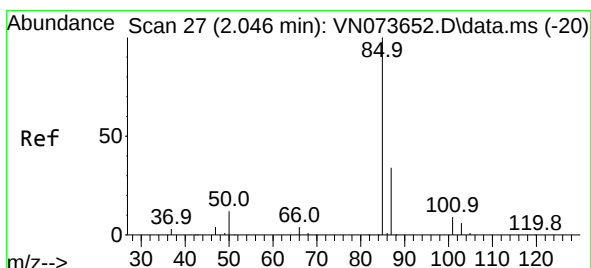
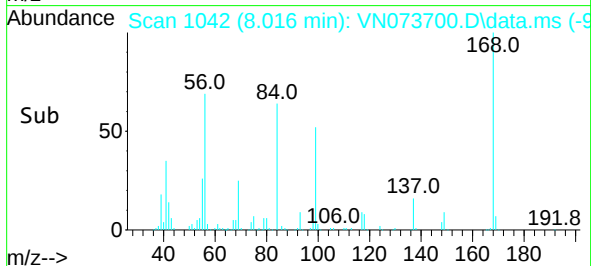
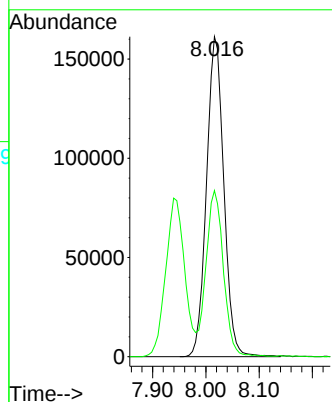
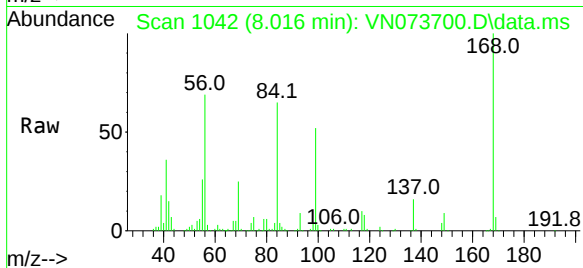
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

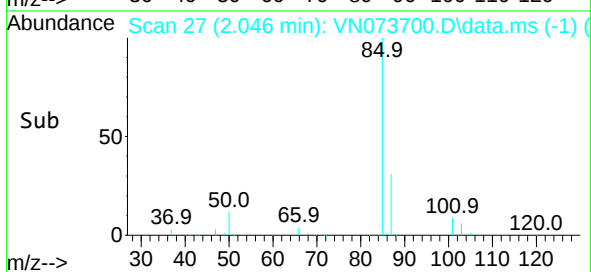
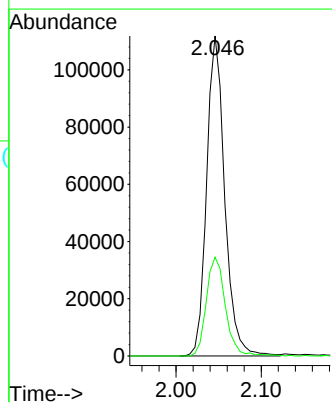
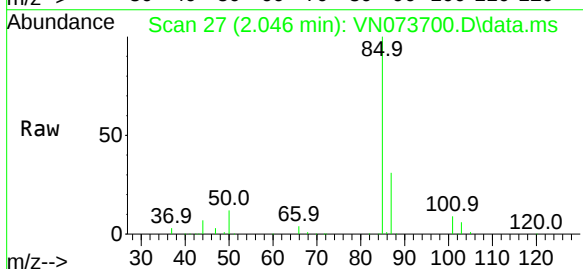
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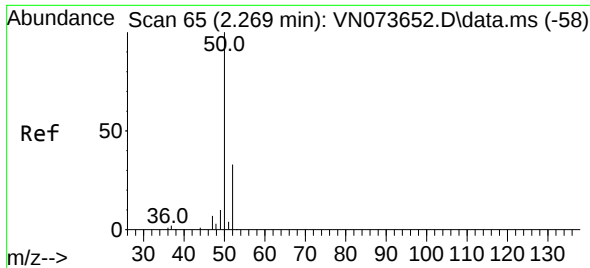
Tgt Ion:168 Resp: 364641
Ion Ratio Lower Upper
168 100
99 51.6 42.3 63.5



#2
Dichlorodifluoromethane
Concen: 46.639 ug/l
RT: 2.046 min Scan# 27
Delta R.T. 0.000 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

Tgt Ion: 85 Resp: 164950
Ion Ratio Lower Upper
85 100
87 30.9 15.7 47.1

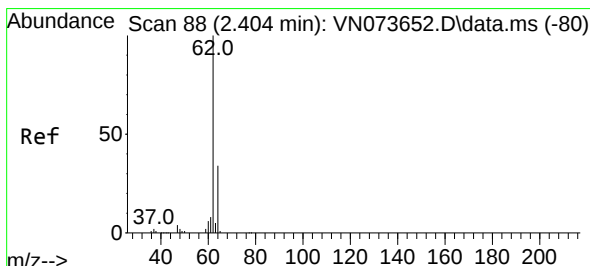
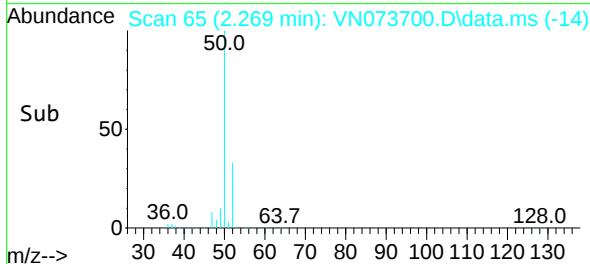
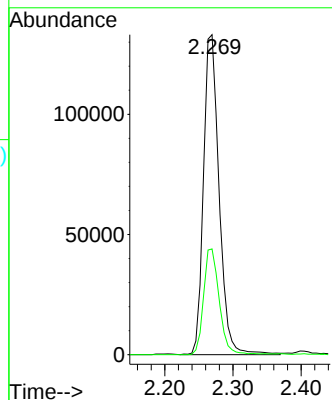
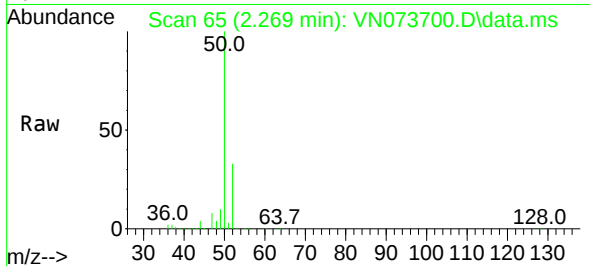




#3
Chloromethane
Concen: 50.010 ug/l
RT: 2.269 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

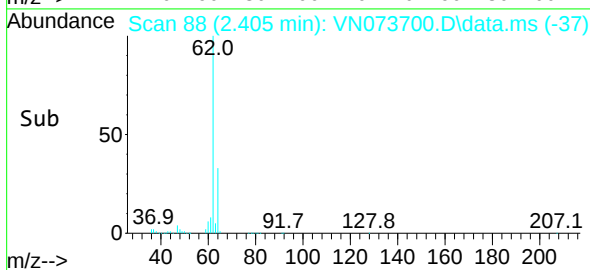
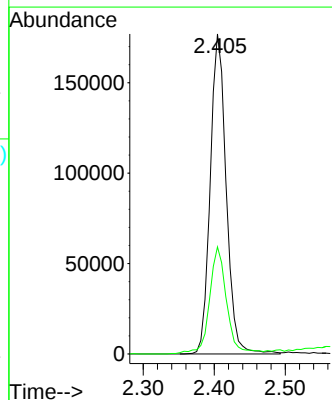
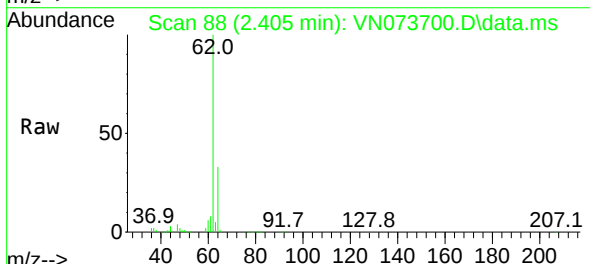
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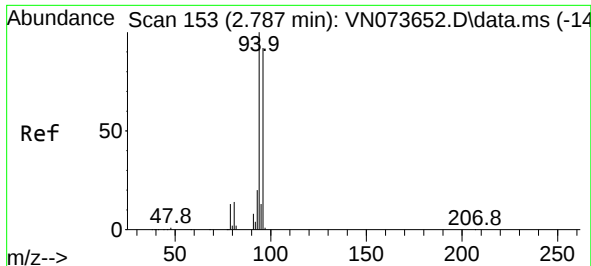
Tgt Ion: 50 Resp: 212581
Ion Ratio Lower Upper
50 100
52 33.1 25.7 38.5



#4
Vinyl Chloride
Concen: 44.766 ug/l
RT: 2.405 min Scan# 88
Delta R.T. 0.000 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

Tgt Ion: 62 Resp: 276903
Ion Ratio Lower Upper
62 100
64 33.0 25.0 37.4

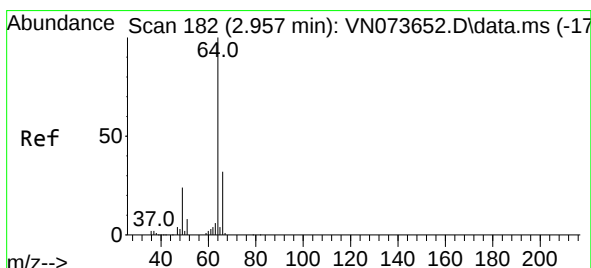
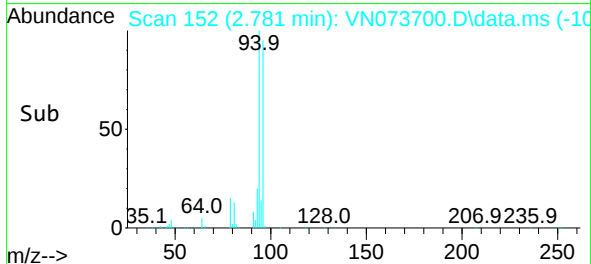
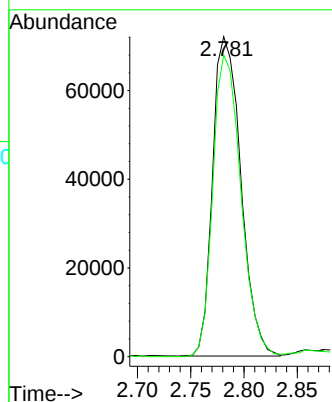
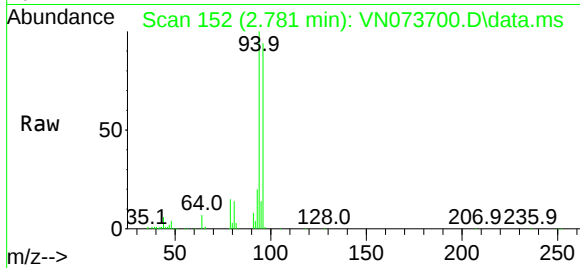




#5
Bromomethane
Concen: 36.936 ug/l
RT: 2.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

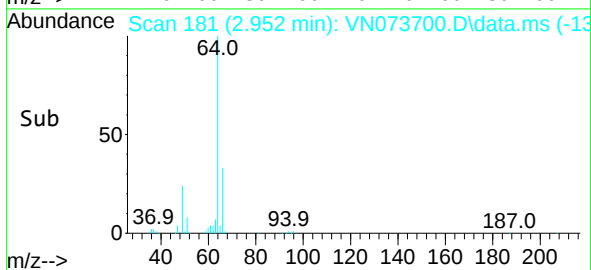
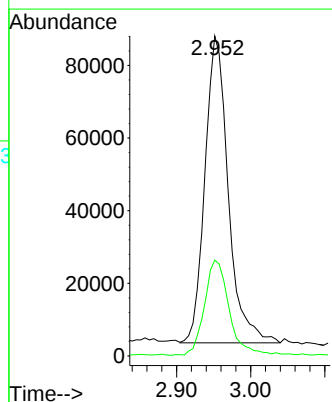
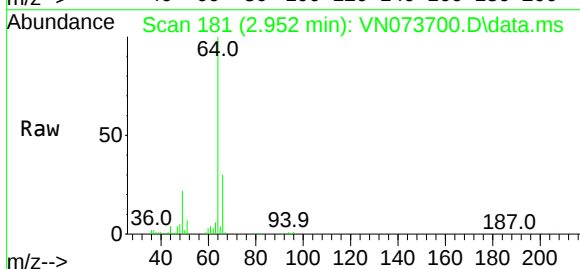
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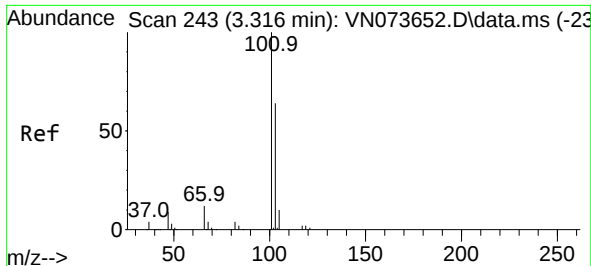
Tgt Ion: 94 Resp: 132504
Ion Ratio Lower Upper
94 100
96 94.5 76.0 114.0



#6
Chloroethane
Concen: 51.353 ug/l
RT: 2.952 min Scan# 181
Delta R.T. -0.005 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

Tgt Ion: 64 Resp: 185063
Ion Ratio Lower Upper
64 100
66 30.8 26.2 39.4

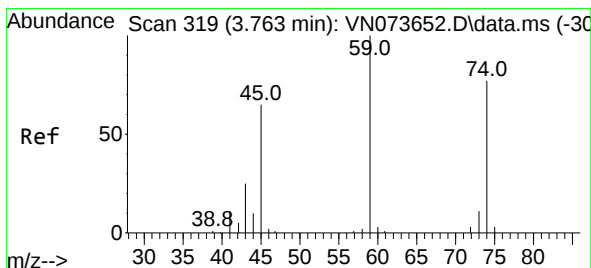
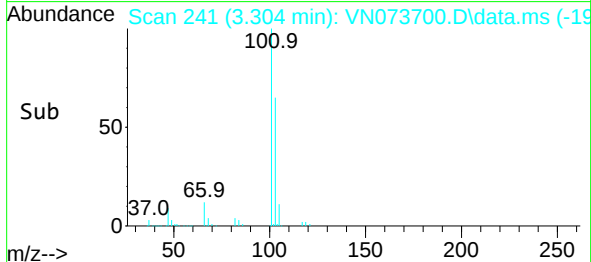
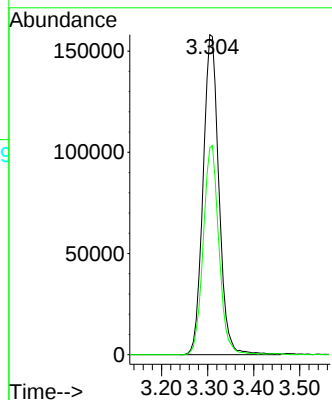
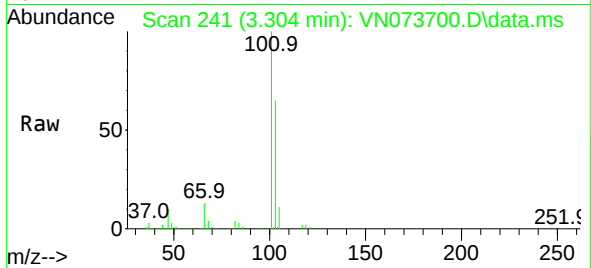




#7
 Trichlorofluoromethane
 Concen: 59.459 ug/l
 RT: 3.304 min Scan# 243
 Delta R.T. -0.006 min
 Lab File: VN073700.D
 Acq: 02 Aug 2022 20:32

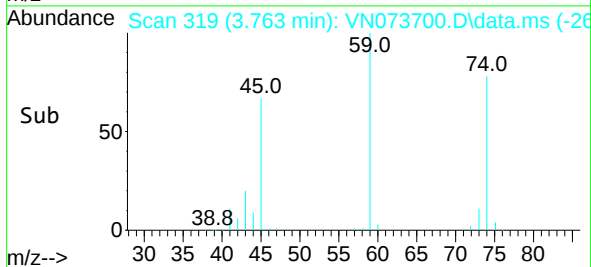
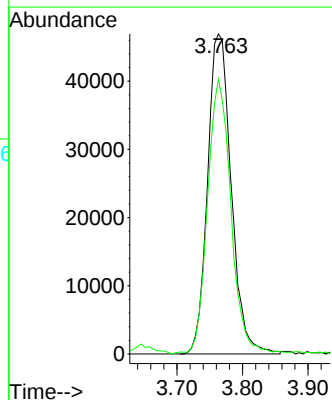
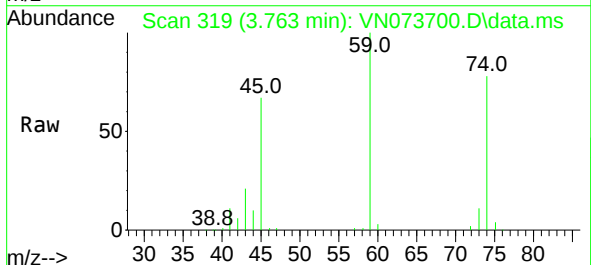
Instrument :
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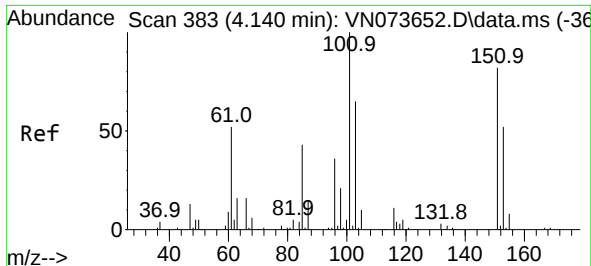
Tgt Ion:101 Resp: 379045
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.5 77.3



#8
 Diethyl Ether
 Concen: 49.106 ug/l
 RT: 3.763 min Scan# 319
 Delta R.T. 0.000 min
 Lab File: VN073700.D
 Acq: 02 Aug 2022 20:32

Tgt Ion: 74 Resp: 117545
 Ion Ratio Lower Upper
 74 100
 45 85.3 42.9 128.5

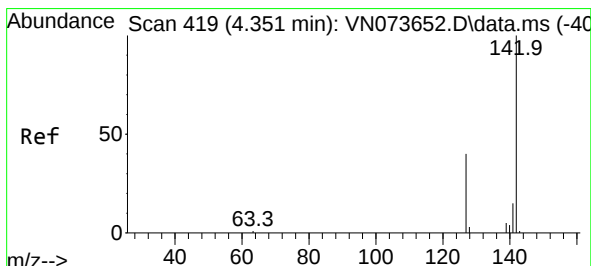
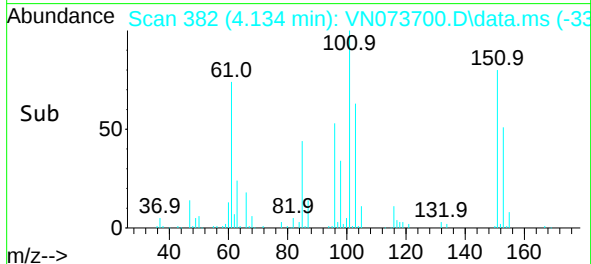
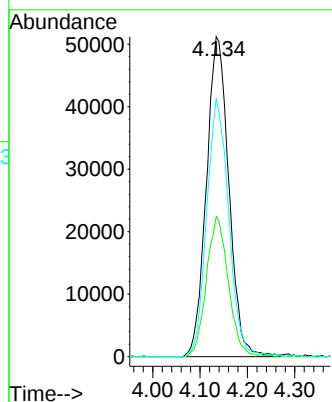
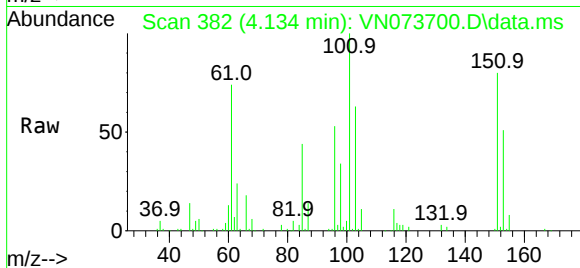




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.855 ug/l
RT: 4.134 min Scan# 382
Delta R.T. 0.000 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

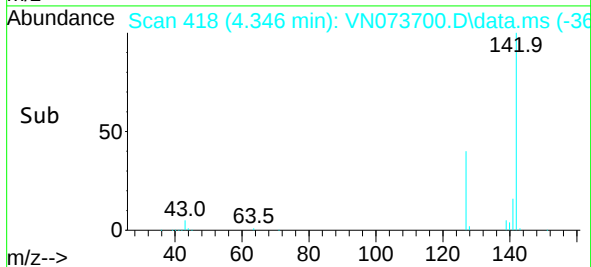
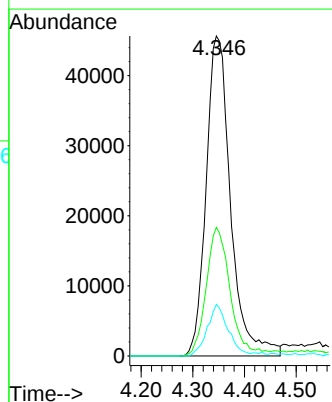
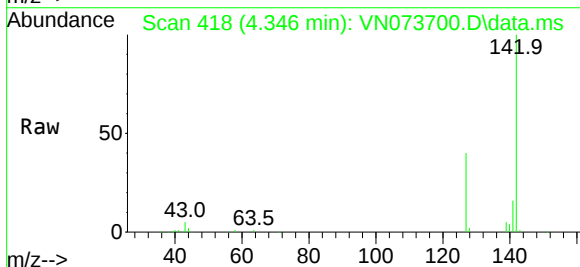
Instrument :
MSVOA_N
ClientSampleId :
MW-7RMSD

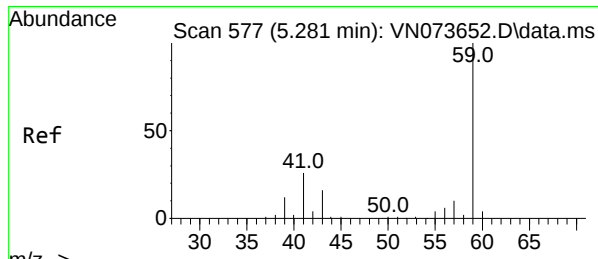
Tgt Ion:101 Resp: 168786
Ion Ratio Lower Upper
101 100
85 42.7 34.7 52.1
151 78.9 63.0 94.4



#10
Methyl Iodide
Concen: 41.899 ug/l
RT: 4.346 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

Tgt Ion:142 Resp: 150231
Ion Ratio Lower Upper
142 100
127 39.5 31.3 46.9
141 13.9 11.2 16.8





#11
Tert butyl alcohol
Concen: 267.587 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073700.D
Acq: 02 Aug 2022 20:32

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Instrument :
MSVOA_N
Client Sampled :
MW-7RMSD

