

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR120425\
 Data File : VR026792.D
 Acq On : 4 Dec 2025 13:05
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA_R/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 05 03:47:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R120425S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:44:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.796	168	597089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.771	114	1091713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.921	117	1110698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.124	152	694349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.172	65	137638	18.947	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.900%	
35) Dibromofluoromethane	7.725	113	114833	18.561	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.120%	
50) Toluene-d8	10.434	98	526121	18.058	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.120%	
62) 4-Bromofluorobenzene	13.055	95	213570	19.073	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.140%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	141941	21.071	ug/l	99
3) Chloromethane	2.197	50	179751	19.325	ug/l	97
4) Vinyl Chloride	2.326	62	192464	18.846	ug/l	98
5) Bromomethane	2.672	94	194500	22.405	ug/l	89
6) Chloroethane	2.808	64	129634	18.346	ug/l	96
7) Trichlorofluoromethane	3.143	101	300685	18.470	ug/l	99
8) Diethyl Ether	3.566	74	71670	18.815	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	154265	20.199	ug/l	96
10) Methyl Iodide	4.094	142	133144	18.245	ug/l	93
11) Tert butyl alcohol	4.923	59	234400m	96.387	ug/l	
12) 1,1-Dichloroethene	3.877	96	142091	19.047	ug/l	94
13) Acrolein	3.759	56	25082	140.538	ug/l	98
14) Allyl chloride	4.476	41	258247	18.956	ug/l	95
15) Acrylonitrile	5.146	53	211413	96.732	ug/l	97
16) Acetone	3.977	43	350666	110.844	ug/l	99
17) Carbon Disulfide	4.194	76	432972	19.007	ug/l #	93
18) Methyl Acetate	4.494	43	99049	15.330	ug/l	99
19) Methyl tert-butyl Ether	5.211	73	380183	19.832	ug/l	94
20) Methylene Chloride	4.694	84	169400	18.680	ug/l	95
21) trans-1,2-Dichloroethene	5.187	96	153342	18.870	ug/l	93
22) Diisopropyl ether	6.104	45	534823	19.314	ug/l #	91
23) Vinyl Acetate	6.027	43	1352080	99.858	ug/l	100
24) 1,1-Dichloroethane	5.975	63	295207	18.976	ug/l	96
25) 2-Butanone	6.973	43	413337	106.066	ug/l	95
26) 2,2-Dichloropropane	6.956	77	245971	18.286	ug/l	99
27) cis-1,2-Dichloroethene	6.956	96	175557	18.505	ug/l	97
28) Bromochloromethane	7.314	49	130466	19.945	ug/l	92
29) Tetrahydrofuran	7.355	42	168204	94.966	ug/l	97
30) Chloroform	7.496	83	272903	19.090	ug/l	94
31) Cyclohexane	7.802	56	318615	19.060	ug/l	98
32) 1,1,1-Trichloroethane	7.714	97	230654	18.555	ug/l	95
36) 1,1-Dichloropropene	7.937	75	209481	18.334	ug/l	96
37) Ethyl Acetate	7.056	43	115150	20.184	ug/l #	77
38) Carbon Tetrachloride	7.919	117	187624	18.481	ug/l	91
39) Methylcyclohexane	9.324	83	323761	18.995	ug/l	87
40) Benzene	8.201	78	676533	19.337	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.297	41	68390	19.114	ug/l	90
42) 1,2-Dichloroethane	8.278	62	159932	18.467	ug/l	96
43) Isopropyl Acetate	8.325	43	227224	18.933	ug/l	93
44) Trichloroethene	9.047	130	163271	19.630	ug/l	100
45) 1,2-Dichloropropane	9.347	63	154024	18.299	ug/l	98
46) Dibromomethane	9.453	93	81550	18.916	ug/l	96
47) Bromodichloromethane	9.659	83	203923	18.963	ug/l	92
48) Methyl methacrylate	9.441	41	103149	17.465	ug/l	90
49) 1,4-Dioxane	9.453	88	33584	386.393	ug/l #	93
51) 4-Methyl-2-Pentanone	10.305	43	614679	96.416	ug/l	100
52) Toluene	10.499	92	443512	18.922	ug/l	99
53) t-1,3-Dichloropropene	10.746	75	215466	19.485	ug/l	94
54) cis-1,3-Dichloropropene	10.140	75	246931	18.678	ug/l	94
55) 1,1,2-Trichloroethane	10.951	97	120694	19.463	ug/l	93
56) Ethyl methacrylate	10.804	69	181582	19.788	ug/l	98
57) 1,3-Dichloropropane	11.116	76	211919	18.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.982	63	55899	101.122	ug/l	98
59) 2-Hexanone	11.169	43	600744	106.241	ug/l	100
60) Dibromochloromethane	11.345	129	135827	20.260	ug/l	95
61) 1,2-Dibromoethane	11.468	107	114515	19.611	ug/l	93
64) Tetrachloroethene	11.045	164	136032	17.688	ug/l	93
65) Chlorobenzene	11.950	112	519956	19.132	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.032	131	137839	18.573	ug/l	100
67) Ethyl Benzene	12.038	91	928430	18.993	ug/l	95
68) m/p-Xylenes	12.167	106	714843	37.376	ug/l	97
69) o-Xylene	12.538	106	356416	19.376	ug/l	98
70) Styrene	12.549	104	604197	19.173	ug/l	99
71) Bromoform	12.737	173	69420	18.115	ug/l #	95
73) Isopropylbenzene	12.878	105	897069	18.692	ug/l	99
74) N-amyl acetate	12.655	43	246853	18.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.160	83	149672	18.462	ug/l	96
76) 1,2,3-Trichloropropane	13.219	75	123308m	17.278	ug/l	
77) Bromobenzene	13.202	156	197050	19.199	ug/l	94
78) n-propylbenzene	13.266	91	1178924	19.076	ug/l	97
79) 2-Chlorotoluene	13.366	91	621461	18.587	ug/l	98
80) 1,3,5-Trimethylbenzene	13.425	105	778812	18.579	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.925	75	52461	18.762	ug/l	86
82) 4-Chlorotoluene	13.472	91	679547	18.706	ug/l	98
83) tert-Butylbenzene	13.724	119	682409	18.063	ug/l	99
84) 1,2,4-Trimethylbenzene	13.771	105	857431	19.056	ug/l	99
85) sec-Butylbenzene	13.930	105	1112074	18.673	ug/l	98
86) p-Isopropyltoluene	14.053	119	965409	18.405	ug/l	97
87) 1,3-Dichlorobenzene	14.059	146	483922	19.486	ug/l	97
88) 1,4-Dichlorobenzene	14.147	146	490815	18.722	ug/l	98
89) n-Butylbenzene	14.430	91	1006175	18.610	ug/l	100
90) Hexachloroethane	14.741	117	147626	18.012	ug/l	94
91) 1,2-Dichlorobenzene	14.482	146	417483	18.311	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.187	75	33207	22.187	ug/l	70
93) 1,2,4-Trichlorobenzene	16.010	180	269335	18.402	ug/l	98
94) Hexachlorobutadiene	16.139	225	121946	18.048	ug/l	100
95) Naphthalene	16.316	128	462699	17.366	ug/l	99
96) 1,2,3-Trichlorobenzene	16.556	180	231516	18.608	ug/l	96

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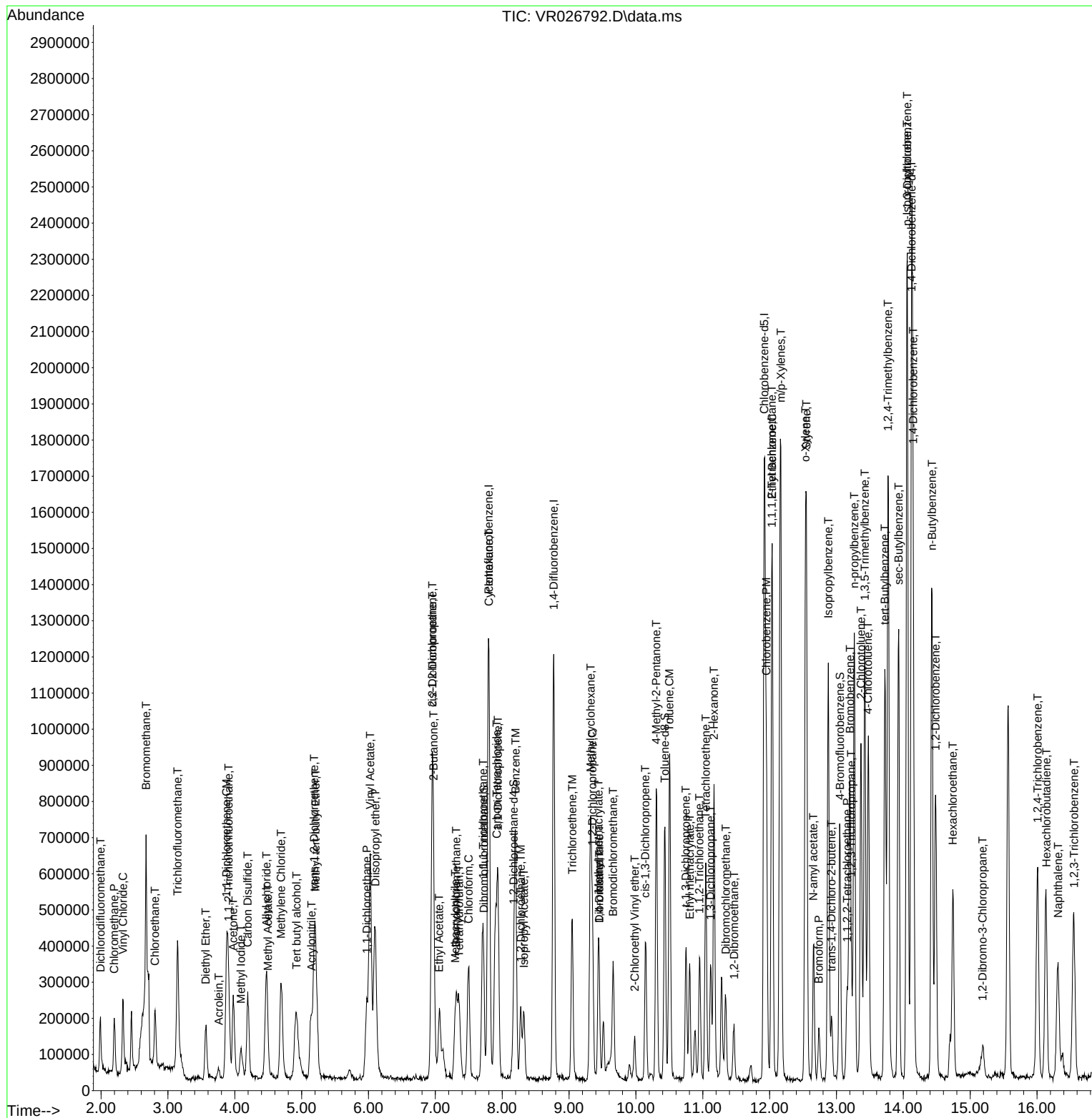
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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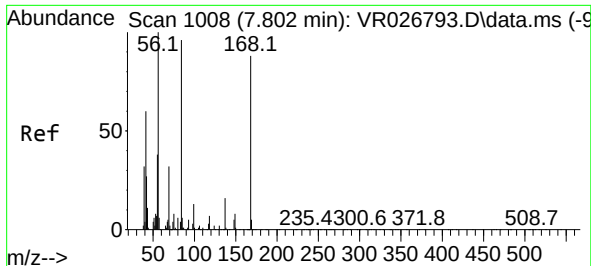
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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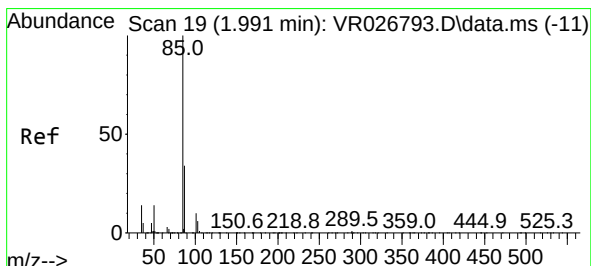
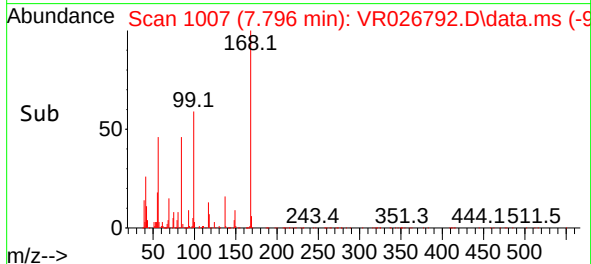
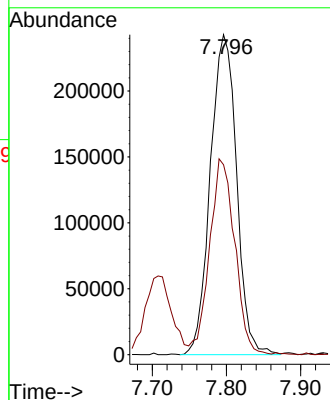
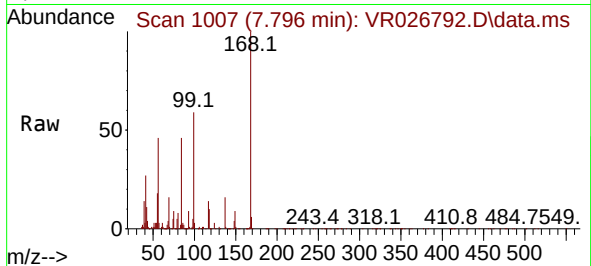




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.796 min Scan# 10
Delta R.T. -0.006 min
Lab File: VR026792.D
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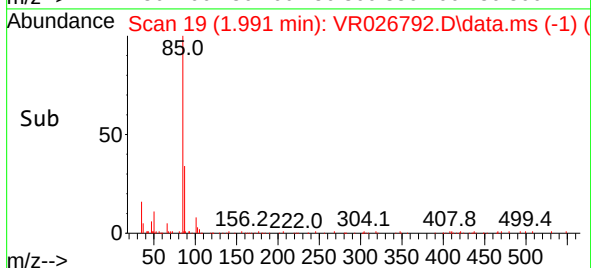
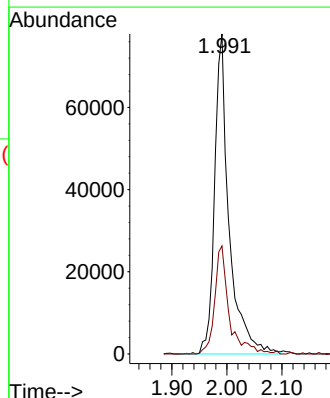
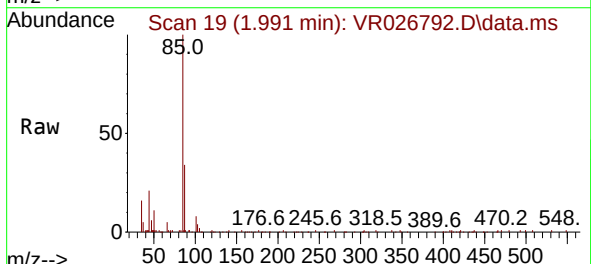
Instrument :
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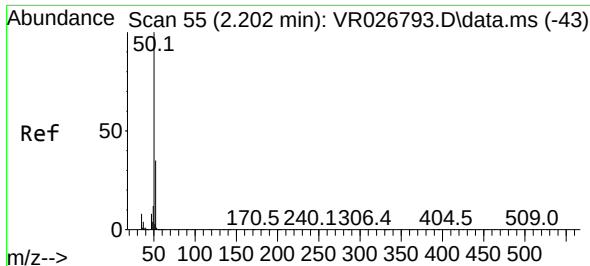
Tgt Ion:168 Resp: 597089
Ion Ratio Lower Upper
168 100
99 59.0 45.3 67.9



#2
Dichlorodifluoromethane
Concen: 21.071 ug/l
RT: 1.991 min Scan# 19
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 85 Resp: 141941
Ion Ratio Lower Upper
85 100
87 33.8 17.1 51.2

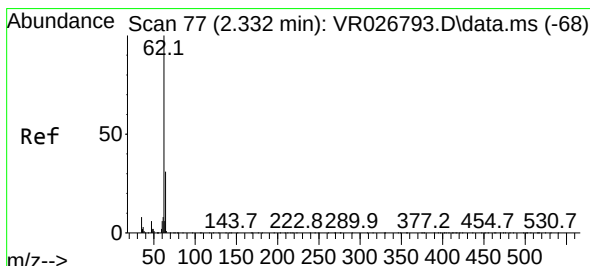
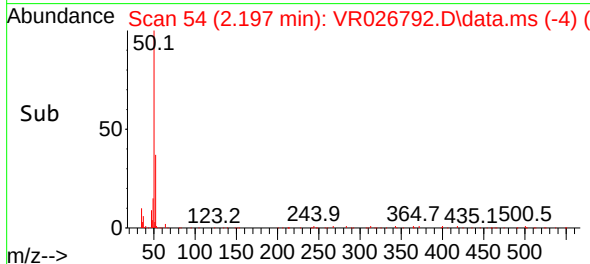
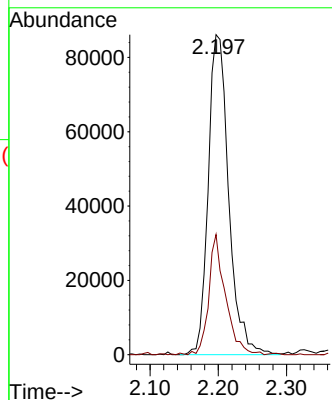
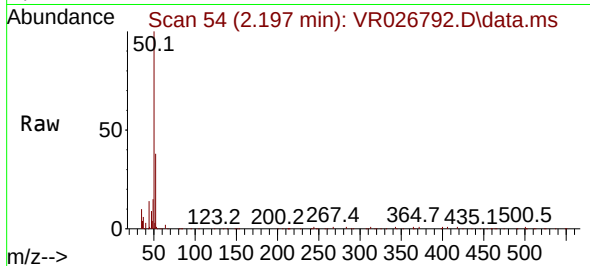




#3
Chloromethane
Concen: 19.325 ug/l
RT: 2.197 min Scan# 54
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

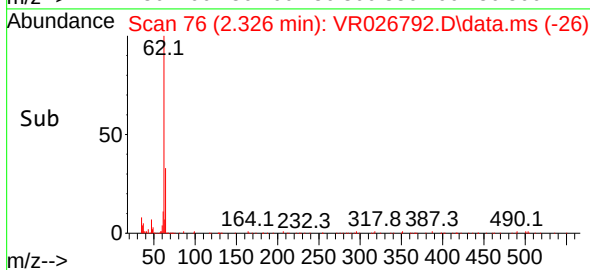
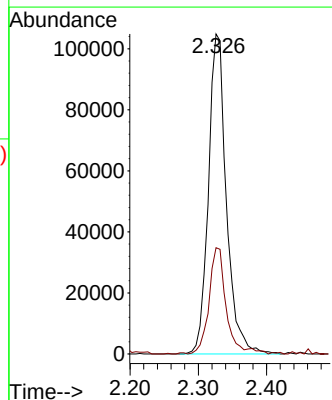
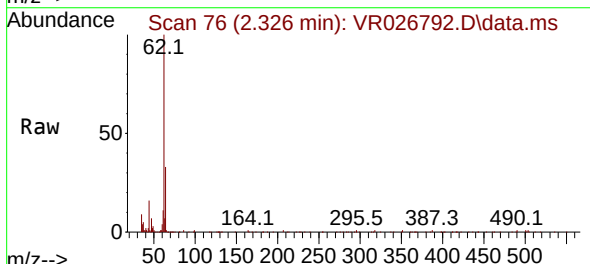
Instrument :
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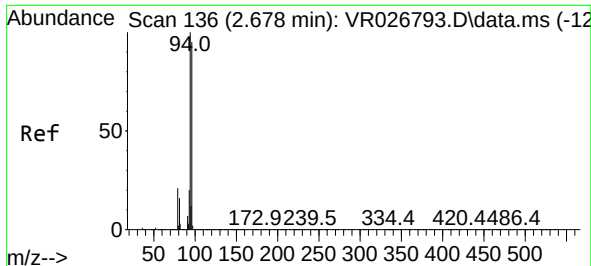
Tgt Ion: 50 Resp: 179751
Ion Ratio Lower Upper
50 100
52 37.3 28.2 42.4



#4
Vinyl Chloride
Concen: 18.846 ug/l
RT: 2.326 min Scan# 76
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 62 Resp: 192464
Ion Ratio Lower Upper
62 100
64 32.8 25.2 37.8

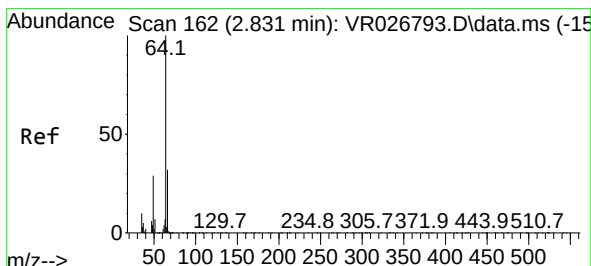
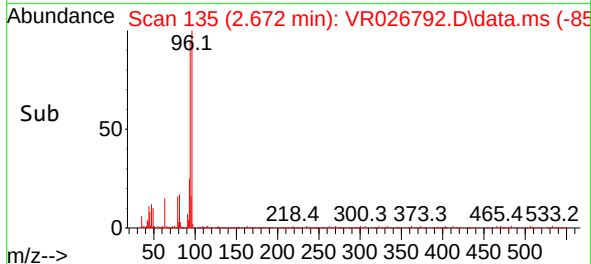
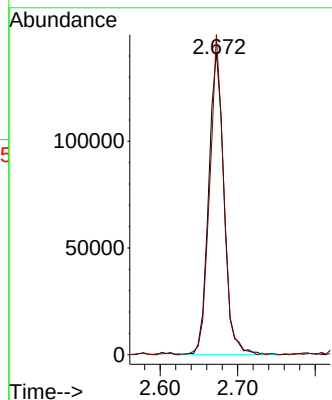
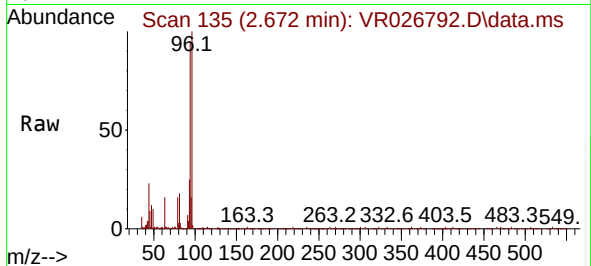




#5
Bromomethane
Concen: 22.405 ug/l
RT: 2.672 min Scan# 11
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

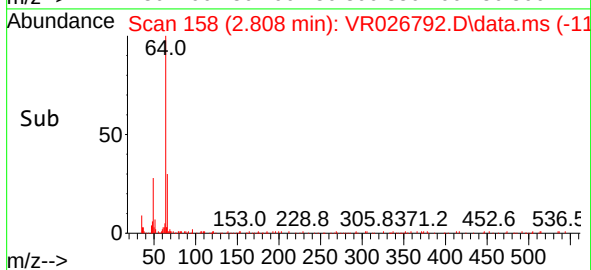
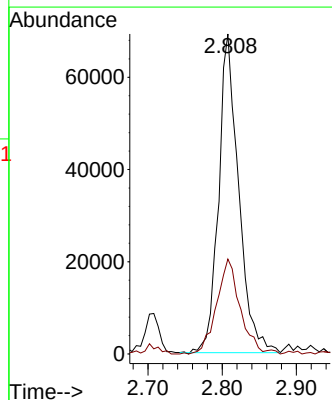
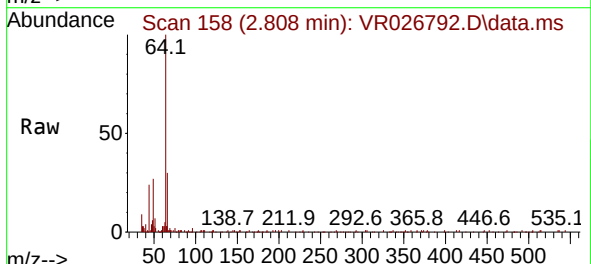
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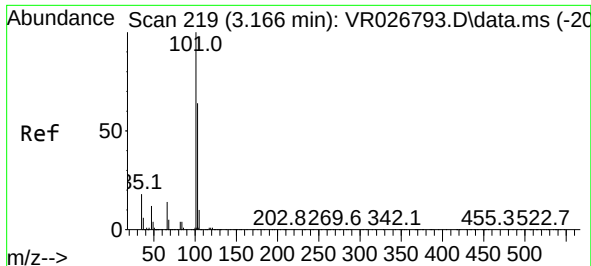
Tgt Ion: 94 Resp: 194500
Ion Ratio Lower Upper
94 100
96 105.7 76.2 114.2



#6
Chloroethane
Concen: 18.346 ug/l
RT: 2.808 min Scan# 158
Delta R.T. -0.023 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 64 Resp: 129634
Ion Ratio Lower Upper
64 100
66 29.8 25.8 38.6

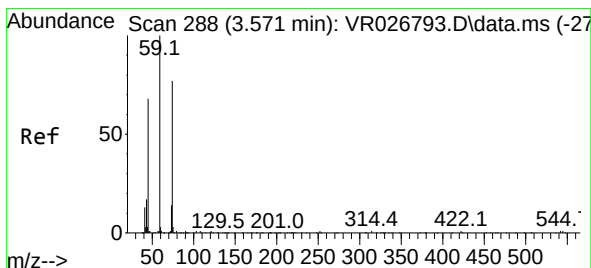
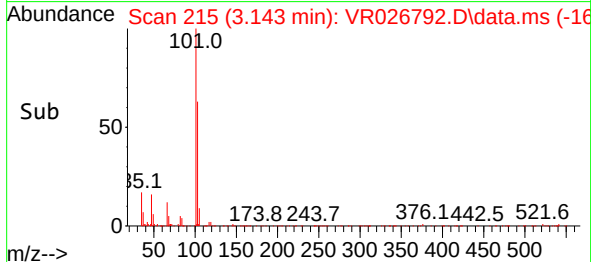
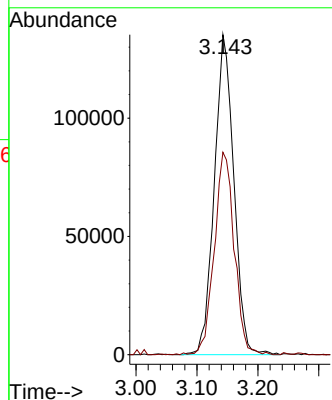
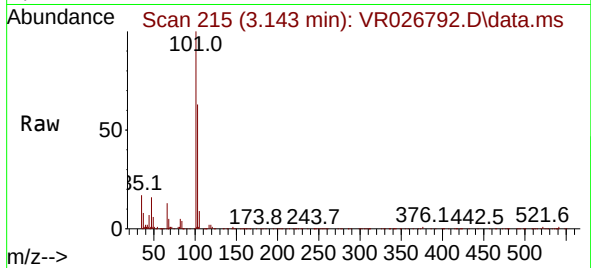




#7
Trichlorofluoromethane
Concen: 18.470 ug/l
RT: 3.143 min Scan# 219
Delta R.T. -0.023 min
Lab File: VR026792.D
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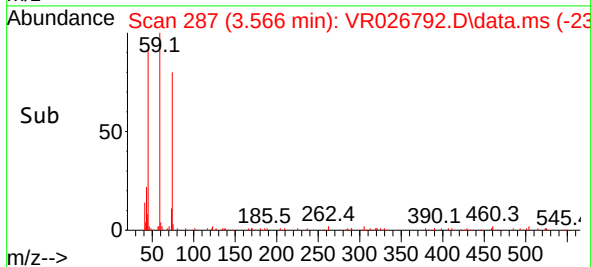
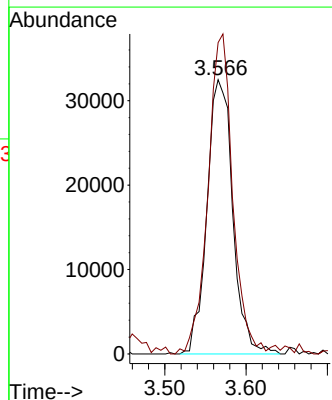
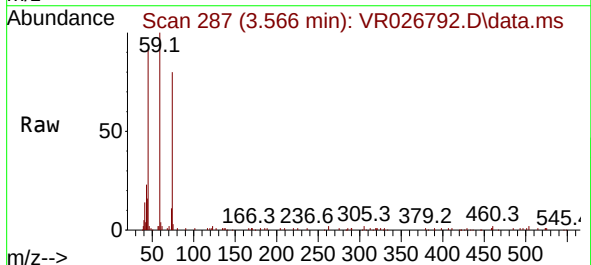
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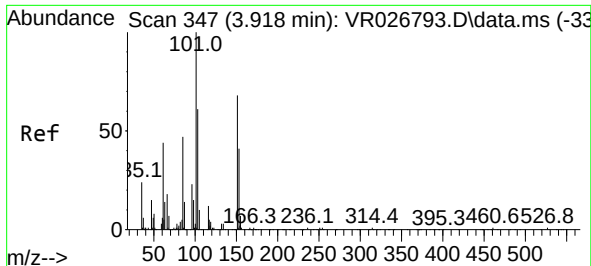
Tgt Ion:101 Resp: 300685
Ion Ratio Lower Upper
101 100
103 63.3 51.4 77.2



#8
Diethyl Ether
Concen: 18.815 ug/l
RT: 3.566 min Scan# 287
Delta R.T. -0.005 min
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Tgt Ion: 74 Resp: 71670
Ion Ratio Lower Upper
74 100
45 111.8 49.9 149.7

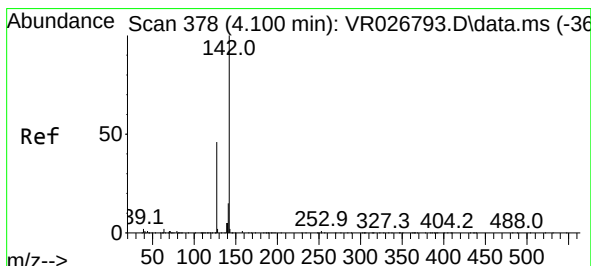
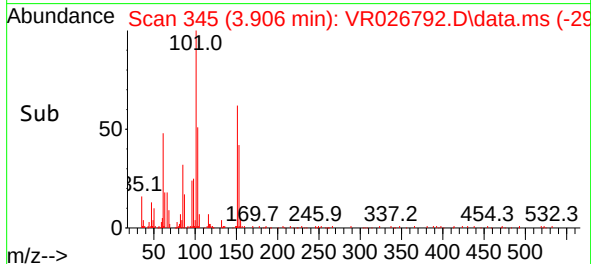
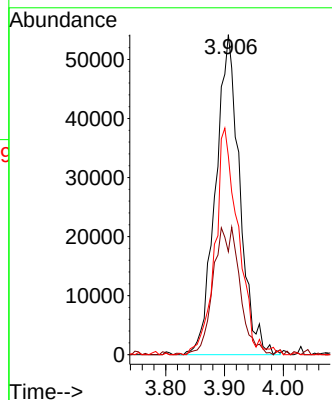
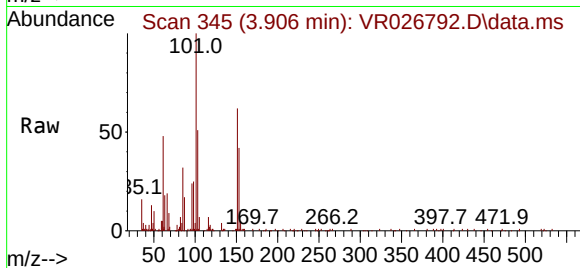




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.199 ug/l
RT: 3.906 min Scan# 34
Delta R.T. -0.012 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

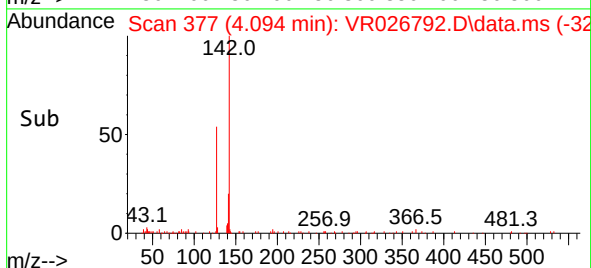
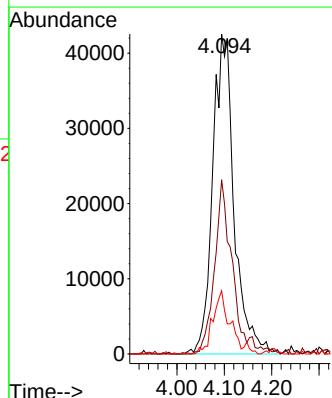
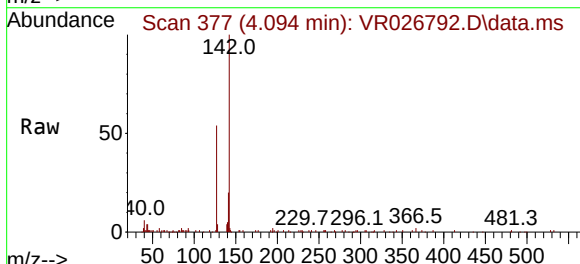
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

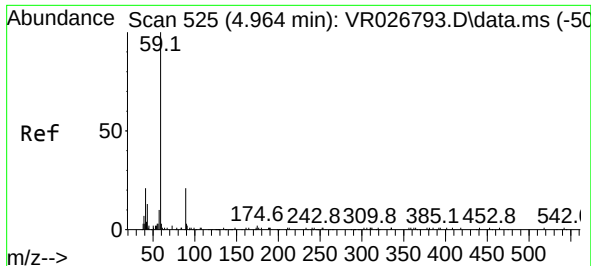
Tgt Ion:101 Resp: 154265
Ion Ratio Lower Upper
101 100
85 43.9 39.3 58.9
151 68.3 55.8 83.8



#10
Methyl Iodide
Concen: 18.245 ug/l
RT: 4.094 min Scan# 377
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:142 Resp: 133144
Ion Ratio Lower Upper
142 100
127 45.6 32.6 48.8
141 15.6 11.3 16.9

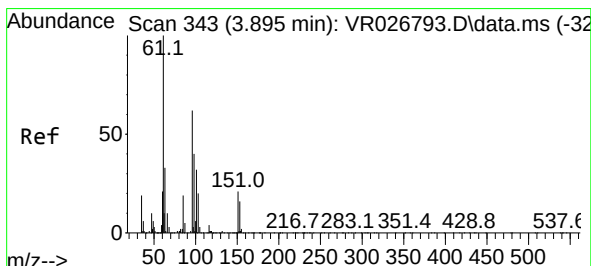
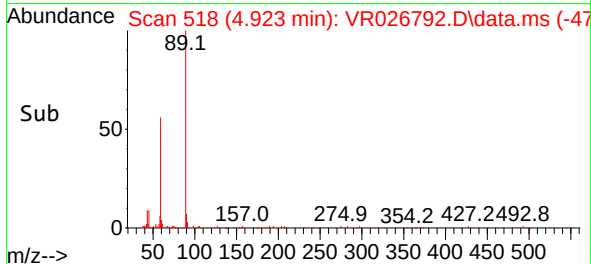
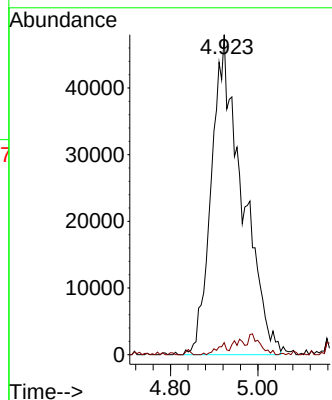
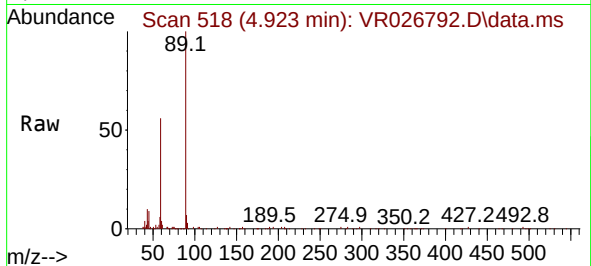




#11
Tert butyl alcohol
Concen: 96.387 ug/l m
RT: 4.923 min Scan# 51
Delta R.T. -0.041 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

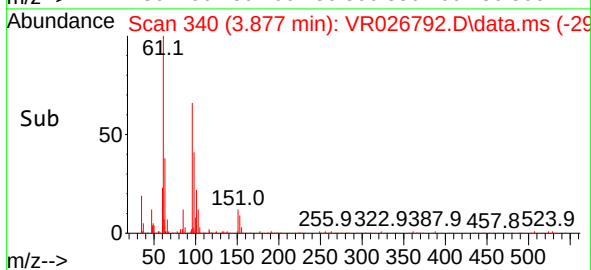
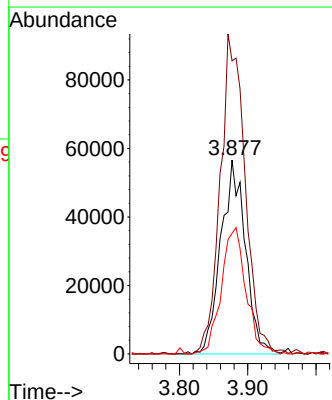
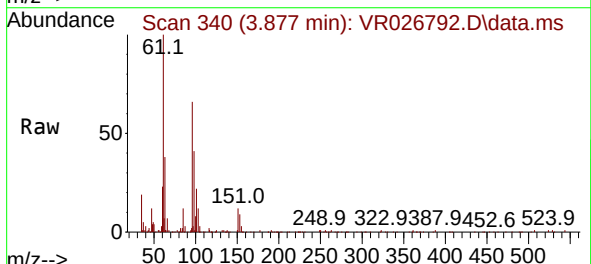
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

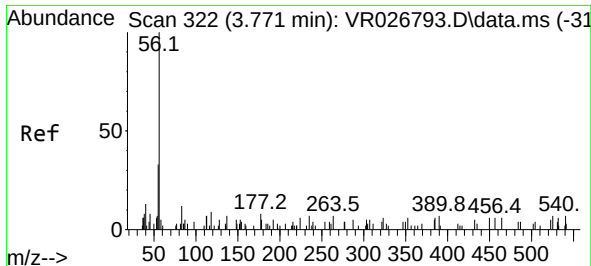
Tgt Ion: 59 Resp: 234400
Ion Ratio Lower Upper
59 100
57 1.2 3.1 4.7#



#12
1,1-Dichloroethene
Concen: 19.047 ug/l
RT: 3.877 min Scan# 340
Delta R.T. -0.018 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 96 Resp: 142091
Ion Ratio Lower Upper
96 100
61 150.8 128.2 192.4
98 62.2 51.8 77.8

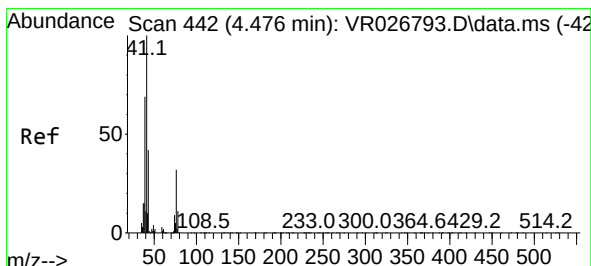
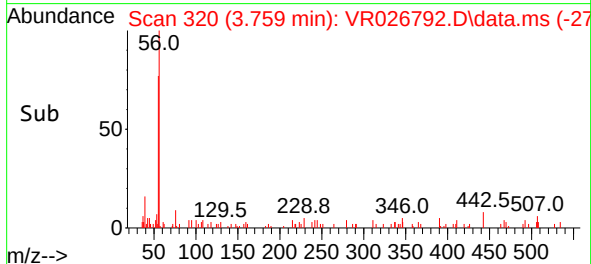
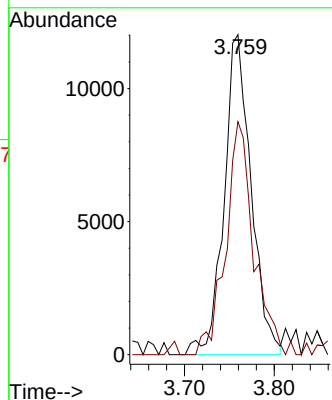
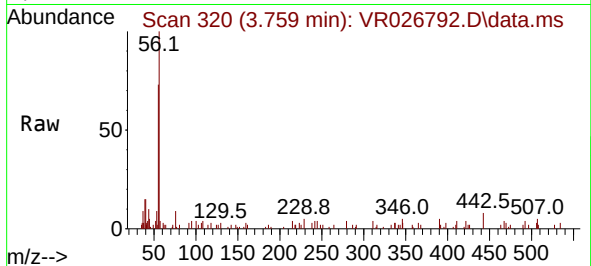




#13
Acrolein
Concen: 140.538 ug/l
RT: 3.759 min Scan# 31
Delta R.T. -0.012 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

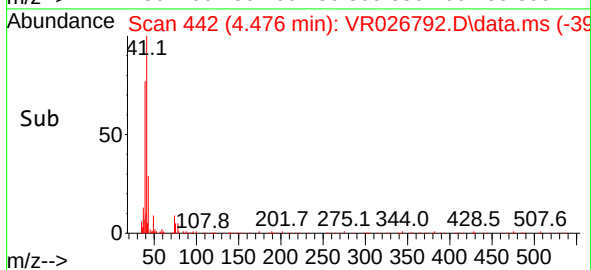
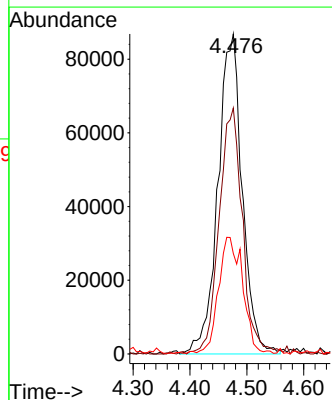
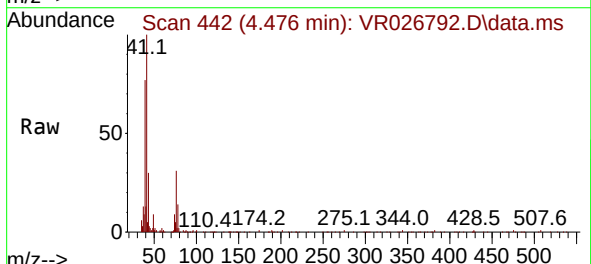
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

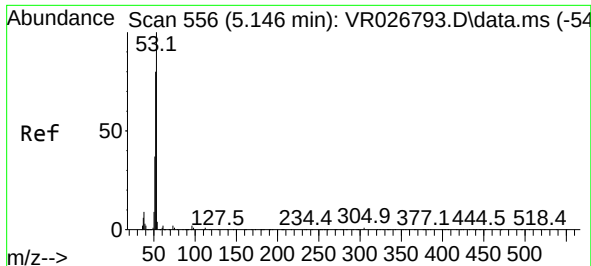
Tgt Ion: 56 Resp: 25082
Ion Ratio Lower Upper
56 100
55 74.9 58.5 87.7



#14
Allyl chloride
Concen: 18.956 ug/l
RT: 4.476 min Scan# 442
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 41 Resp: 258247
Ion Ratio Lower Upper
41 100
39 73.3 55.0 82.4
76 35.9 27.3 40.9



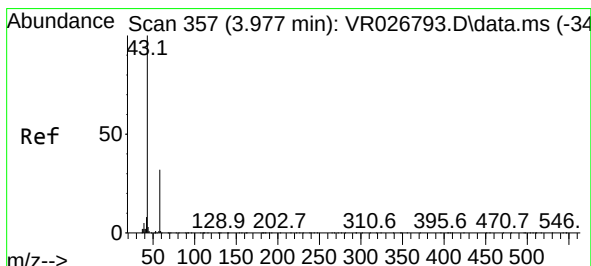
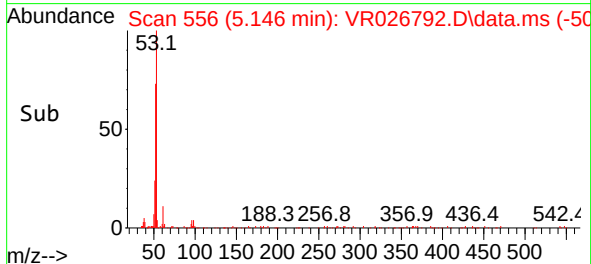
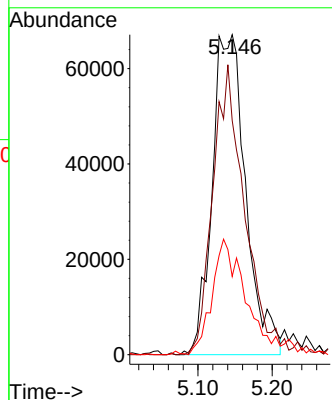
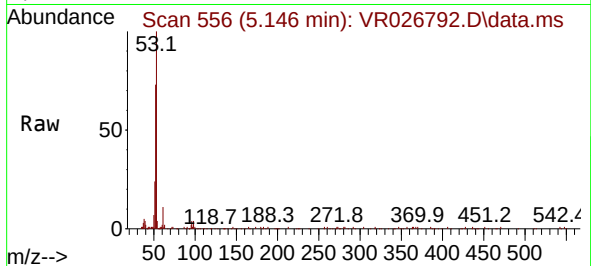


#15
Acrylonitrile
Concen: 96.732 ug/l
RT: 5.146 min Scan# 511
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

Tgt Ion: 53 Resp: 211413

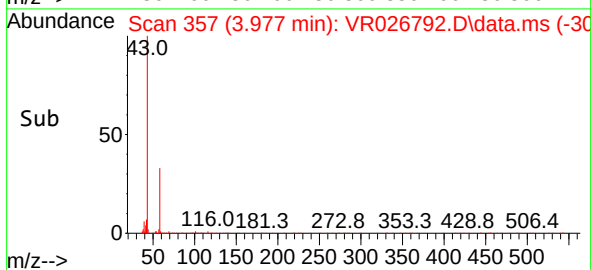
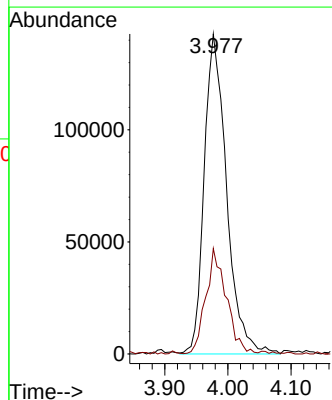
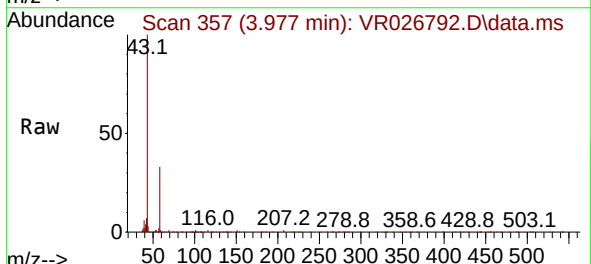
Ion	Ratio	Lower	Upper
53	100		
52	85.2	65.9	98.9
51	36.0	28.1	42.1

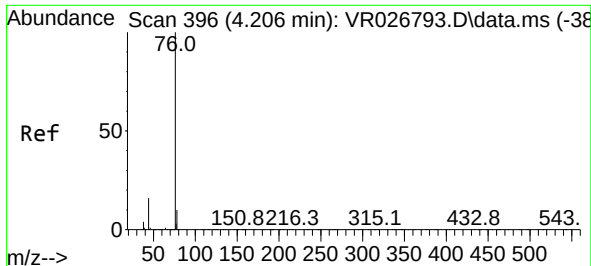


#16
Acetone
Concen: 110.844 ug/l
RT: 3.977 min Scan# 357
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 43 Resp: 350666

Ion	Ratio	Lower	Upper
43	100		
58	32.7	25.5	38.3

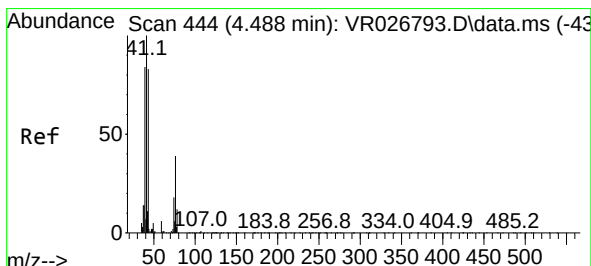
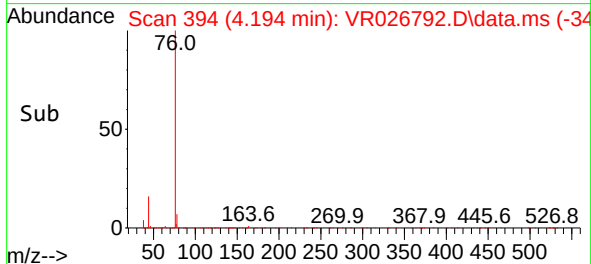
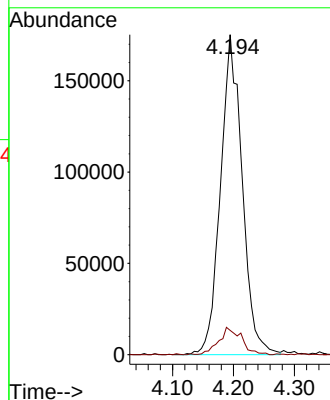
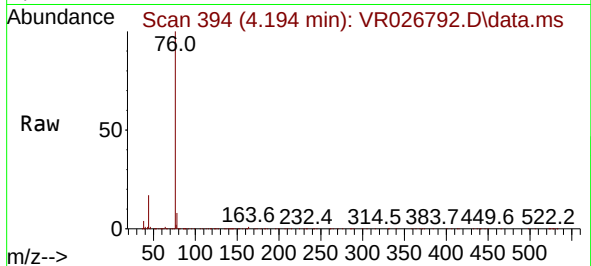




#17
Carbon Disulfide
Concen: 19.007 ug/l
RT: 4.194 min Scan# 394
Delta R.T. -0.012 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

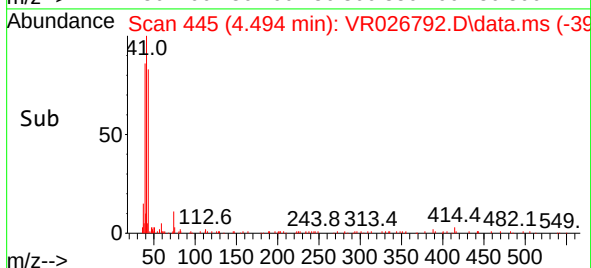
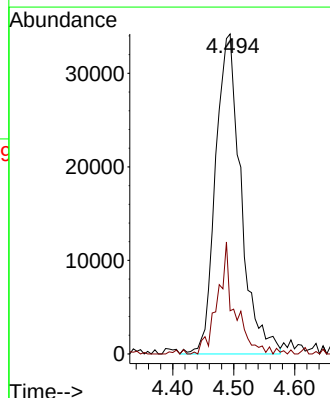
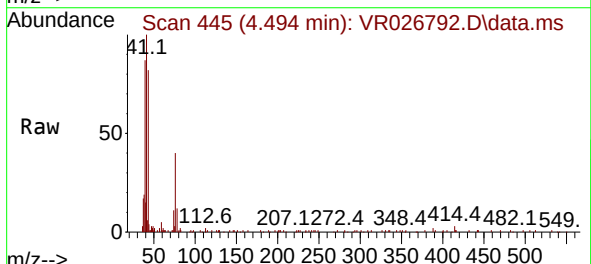
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

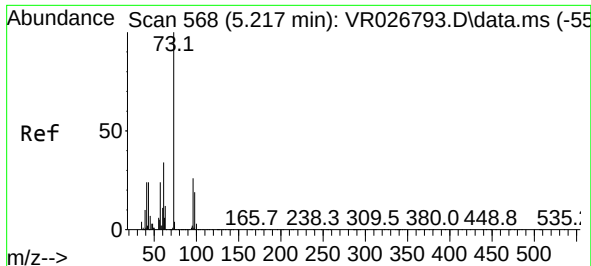
Tgt Ion: 76 Resp: 432972
Ion Ratio Lower Upper
76 100
78 7.5 8.2 12.4#



#18
Methyl Acetate
Concen: 15.330 ug/l
RT: 4.494 min Scan# 445
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 43 Resp: 99049
Ion Ratio Lower Upper
43 100
74 23.4 18.3 27.5

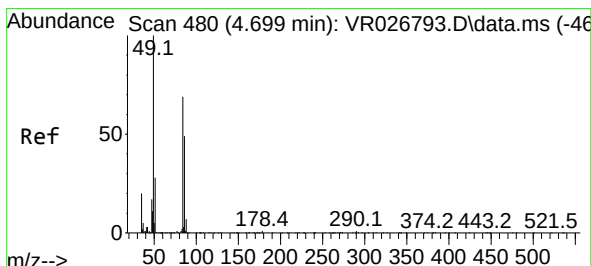
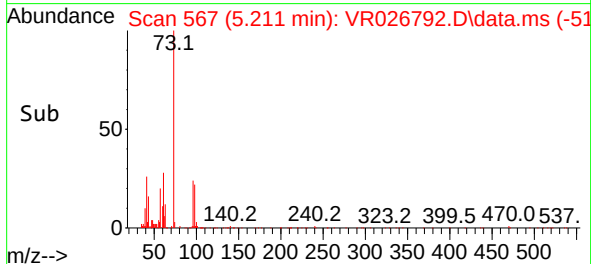
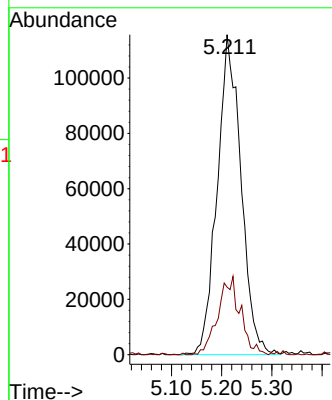
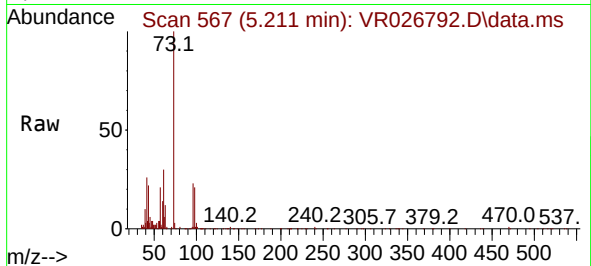




#19
Methyl tert-butyl Ether
Concen: 19.832 ug/l
RT: 5.211 min Scan# 50
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

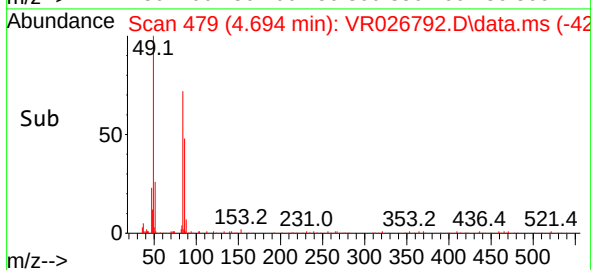
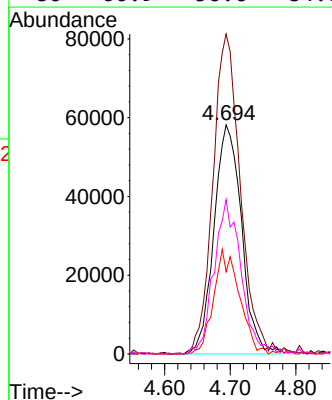
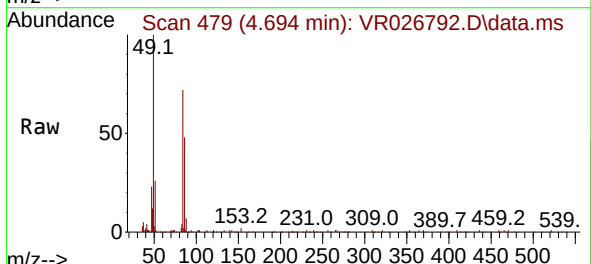
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

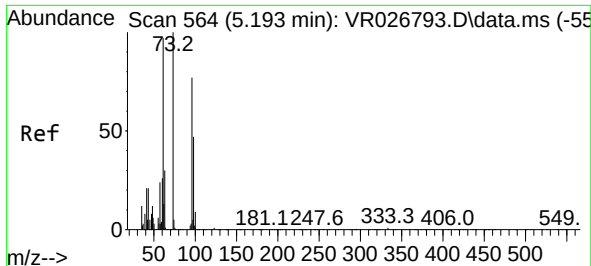
Tgt Ion: 73 Resp: 380183
Ion Ratio Lower Upper
73 100
57 21.1 19.1 28.7



#20
Methylene Chloride
Concen: 18.680 ug/l
RT: 4.694 min Scan# 479
Delta R.T. -0.005 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 84 Resp: 169400
Ion Ratio Lower Upper
84 100
49 139.3 115.9 173.9
51 35.9 31.9 47.9
86 66.9 56.6 84.8

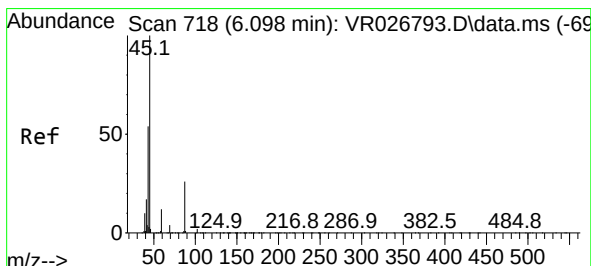
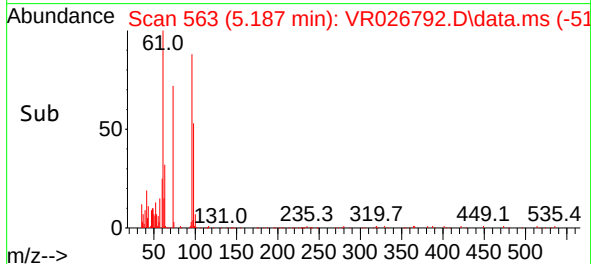
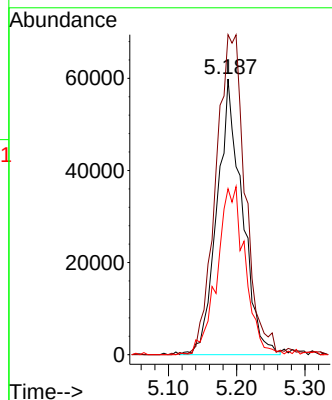
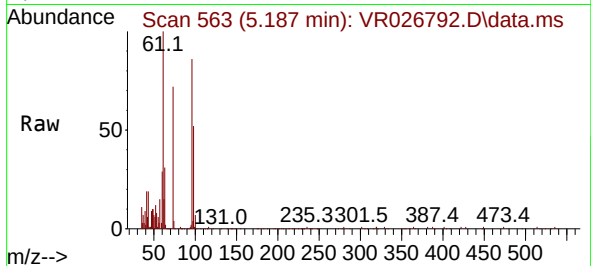




#21
trans-1,2-Dichloroethene
Concen: 18.870 ug/l
RT: 5.187 min Scan# 51
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

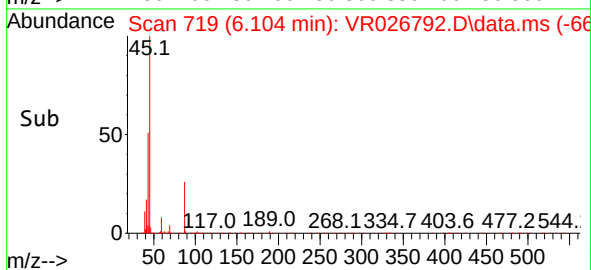
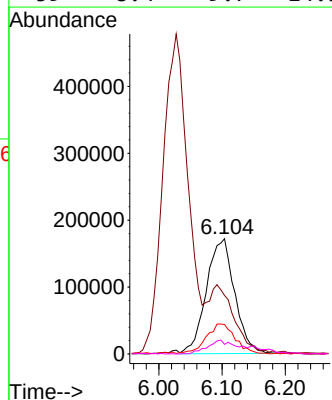
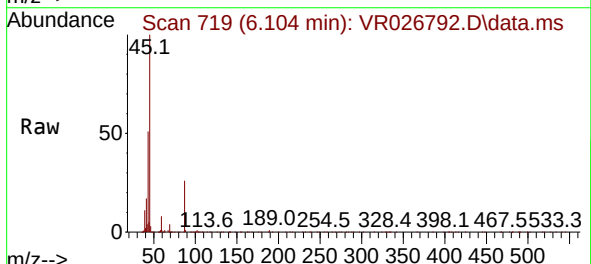
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

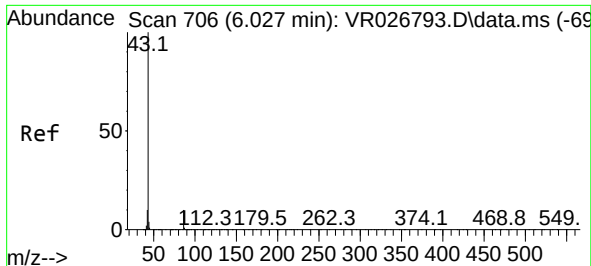
Tgt Ion: 96 Resp: 153342
Ion Ratio Lower Upper
96 100
61 115.2 101.2 151.8
98 59.8 49.0 73.4



#22
Diisopropyl ether
Concen: 19.314 ug/l
RT: 6.104 min Scan# 719
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 45 Resp: 534823
Ion Ratio Lower Upper
45 100
43 49.2 46.6 70.0
87 25.5 21.1 31.7
59 8.4 9.7 14.5

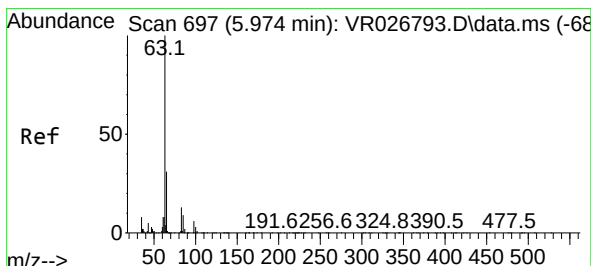
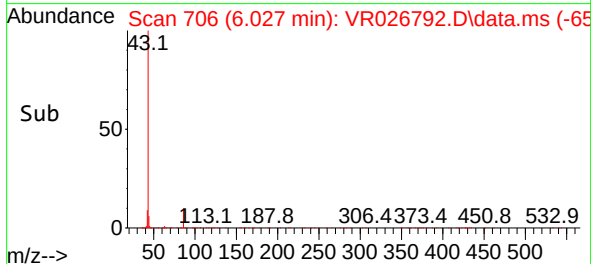
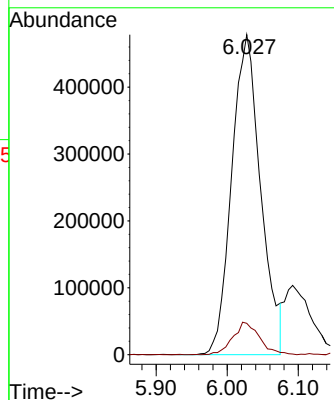
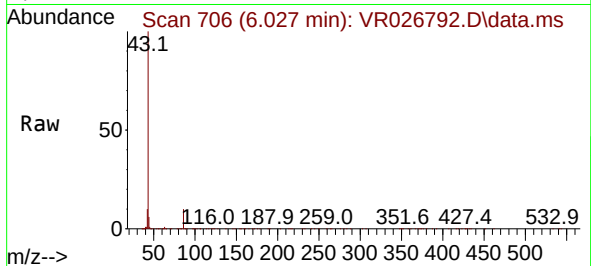




#23
 Vinyl Acetate
 Concen: 99.858 ug/l
 RT: 6.027 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

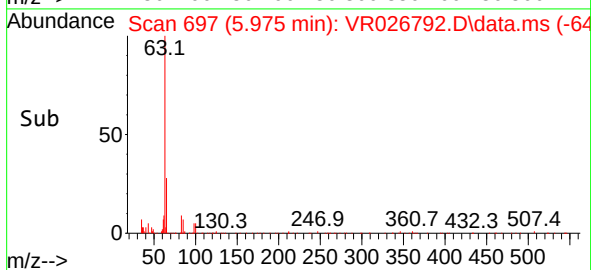
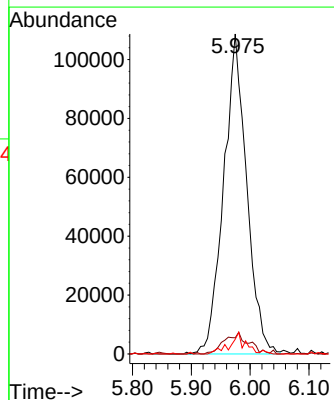
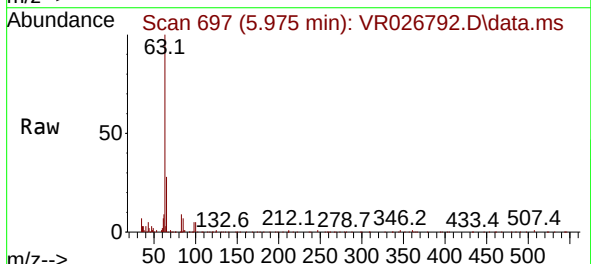
Instrument :
 MSVOA_R
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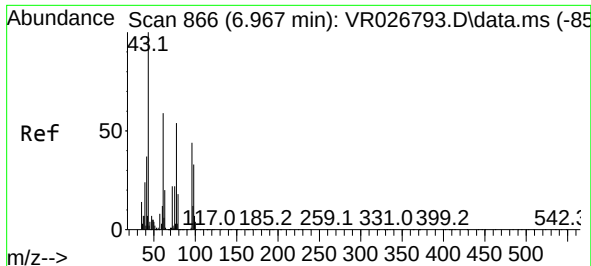
Tgt Ion: 43 Resp: 1352080
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 18.976 ug/l
 RT: 5.975 min Scan# 697
 Delta R.T. 0.001 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

Tgt Ion: 63 Resp: 295207
 Ion Ratio Lower Upper
 63 100
 98 5.1 3.3 9.8
 100 4.6 1.8 5.3

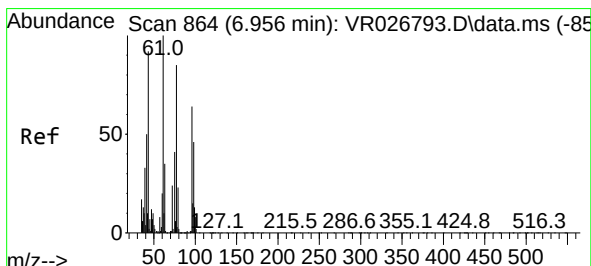
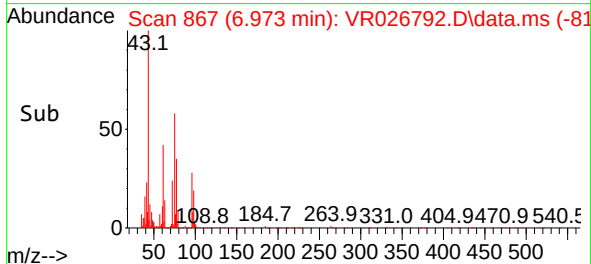
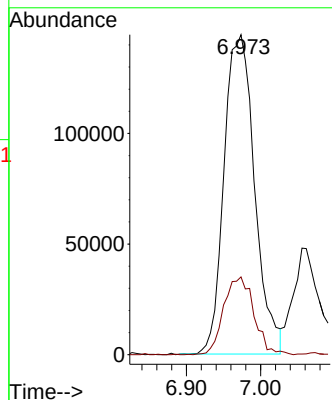
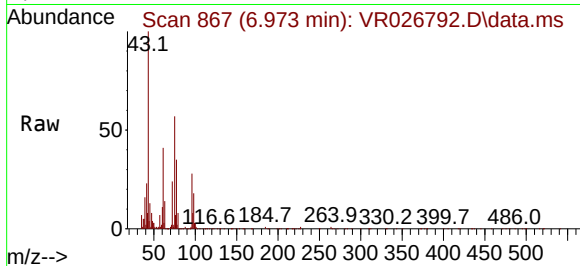




#25
2-Butanone
Concen: 106.066 ug/l
RT: 6.973 min Scan# 80
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

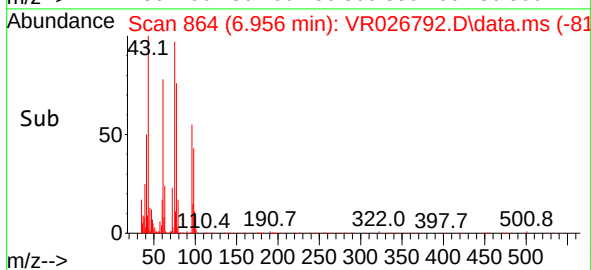
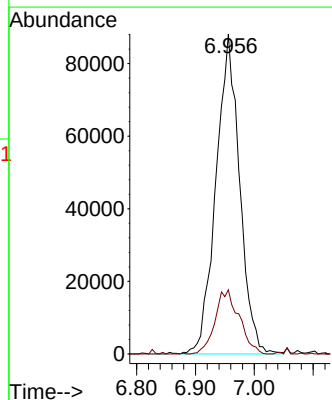
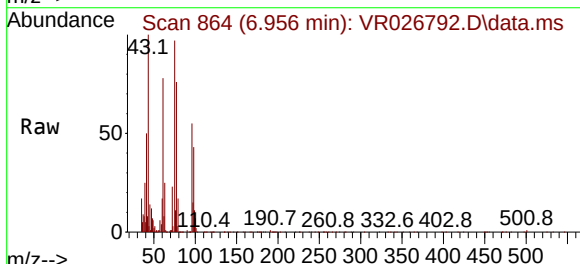
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

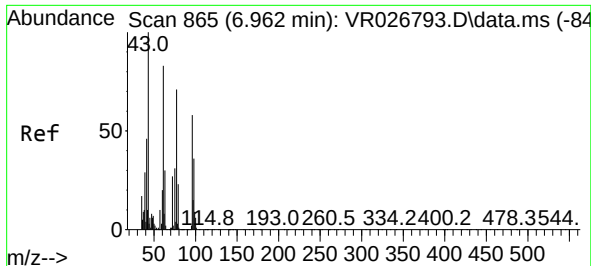
Tgt Ion: 43 Resp: 413337
Ion Ratio Lower Upper
43 100
72 24.4 17.4 26.2



#26
2,2-Dichloropropane
Concen: 18.286 ug/l
RT: 6.956 min Scan# 864
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 77 Resp: 245971
Ion Ratio Lower Upper
77 100
97 20.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 18.505 ug/l

RT: 6.956 min Scan# 864

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

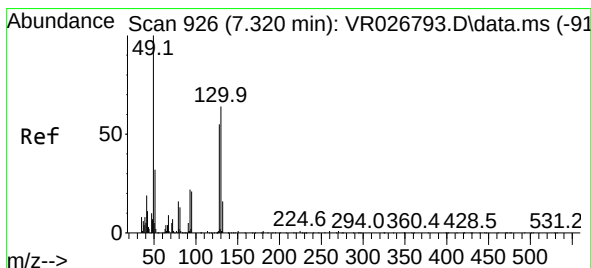
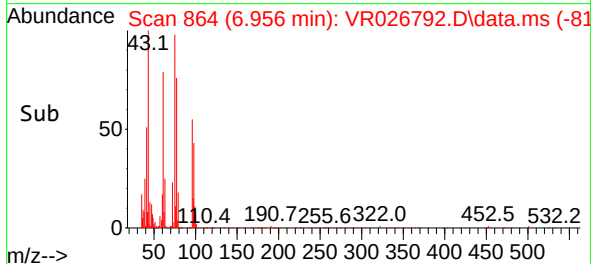
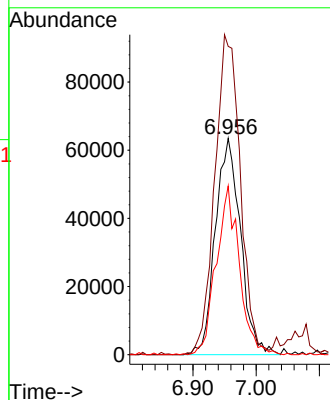
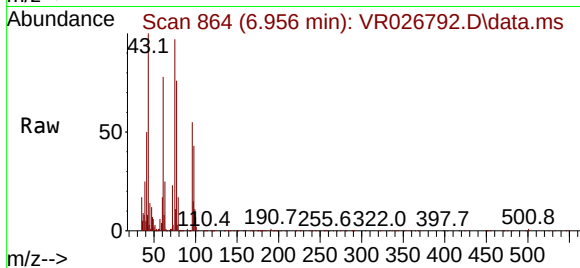
MSVOA_R

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 175557

Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	296.6
98	71.8	0.0	132.0



#28

Bromochloromethane

Concen: 19.945 ug/l

RT: 7.314 min Scan# 925

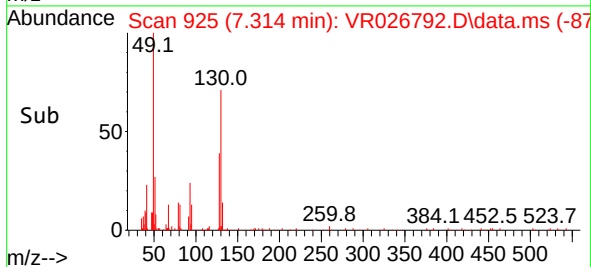
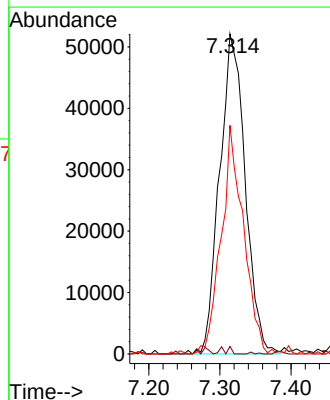
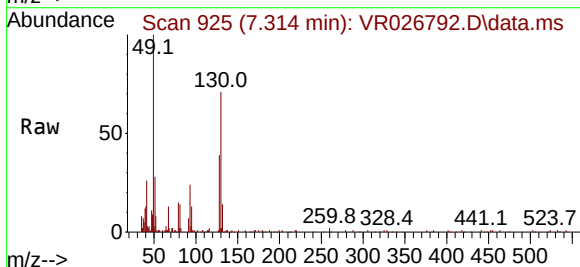
Delta R.T. -0.006 min

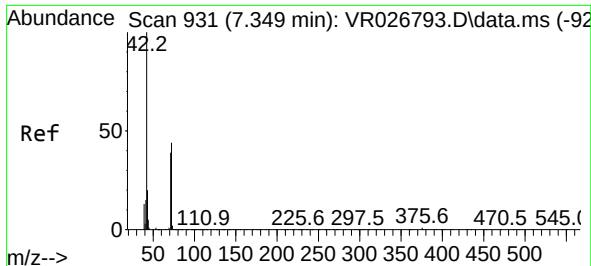
Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Tgt Ion: 49 Resp: 130466

Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.6
130	62.1	54.8	82.2

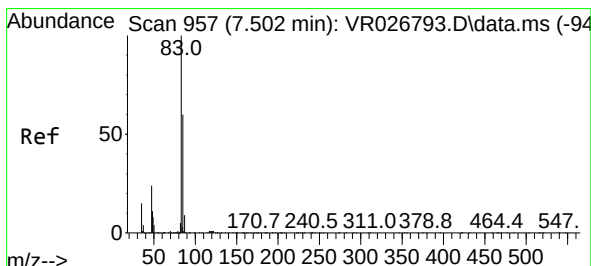
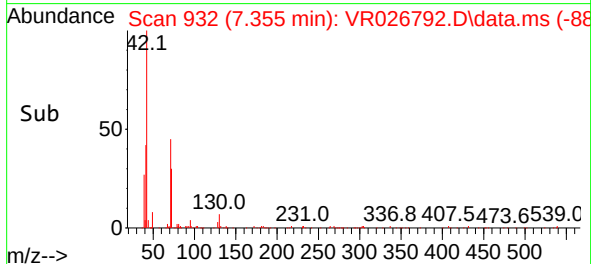
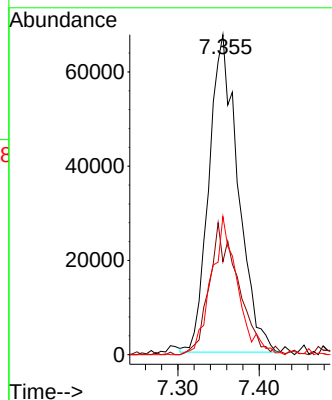
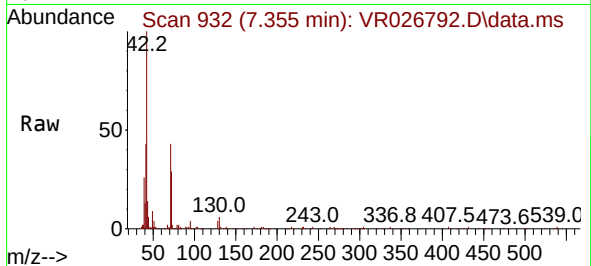




#29
Tetrahydrofuran
Concen: 94.966 ug/l
RT: 7.355 min Scan# 91
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

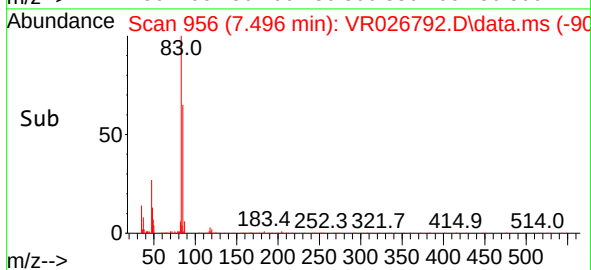
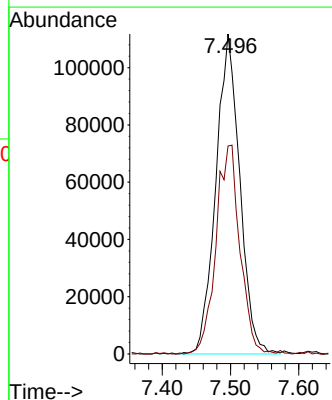
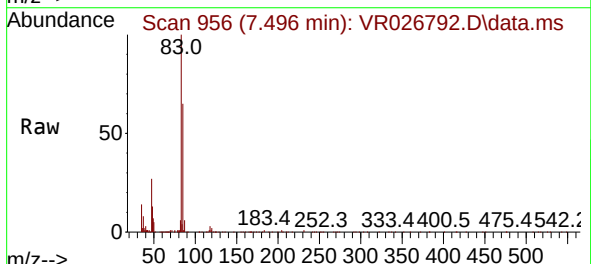
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

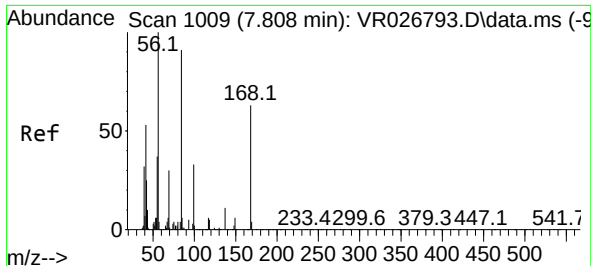
Tgt Ion: 42 Resp: 168204
Ion Ratio Lower Upper
42 100
72 41.2 35.4 53.2
71 39.0 30.8 46.2



#30
Chloroform
Concen: 19.090 ug/l
RT: 7.496 min Scan# 956
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 83 Resp: 272903
Ion Ratio Lower Upper
83 100
85 64.7 48.2 72.4

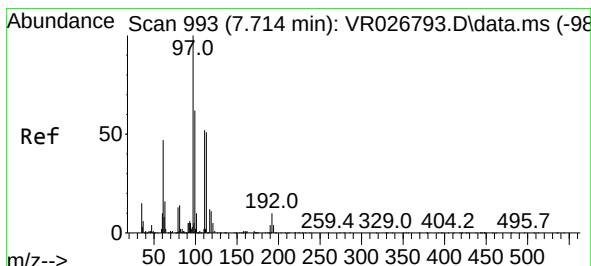
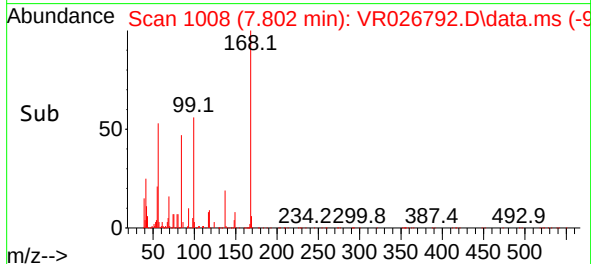
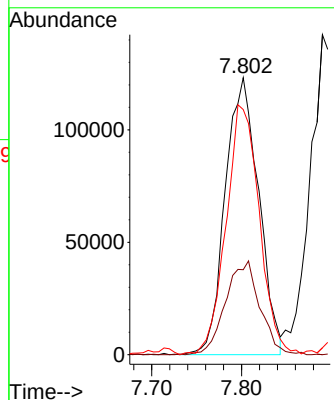
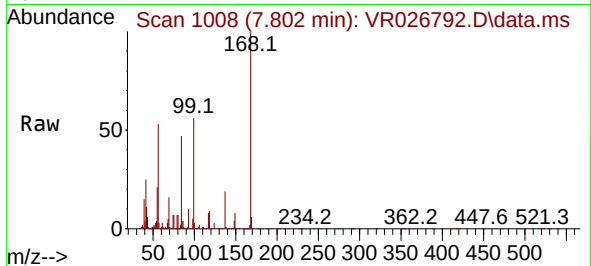




#31
Cyclohexane
Concen: 19.060 ug/l
RT: 7.802 min Scan# 1008
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

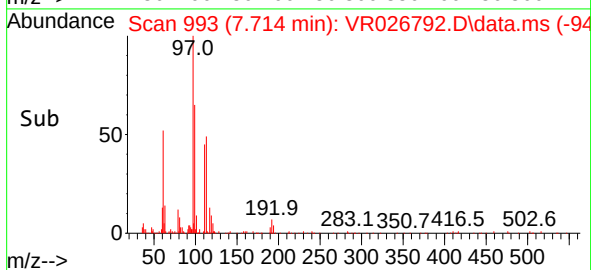
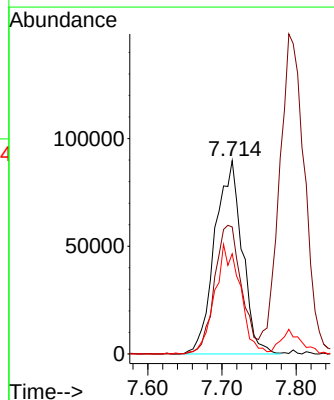
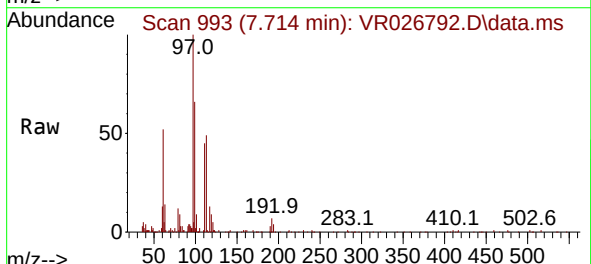
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

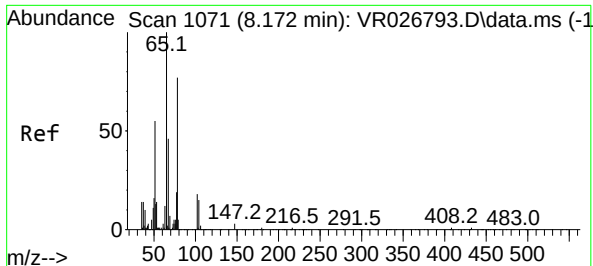
Tgt Ion: 56 Resp: 318615
Ion Ratio Lower Upper
56 100
69 30.5 23.8 35.6
84 88.5 72.3 108.5



#32
1,1,1-Trichloroethane
Concen: 18.555 ug/l
RT: 7.714 min Scan# 993
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 97 Resp: 230654
Ion Ratio Lower Upper
97 100
99 65.5 50.4 75.6
61 52.9 37.9 56.9





#33

1,2-Dichloroethane-d4

Concen: 18.947 ug/l

RT: 8.172 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

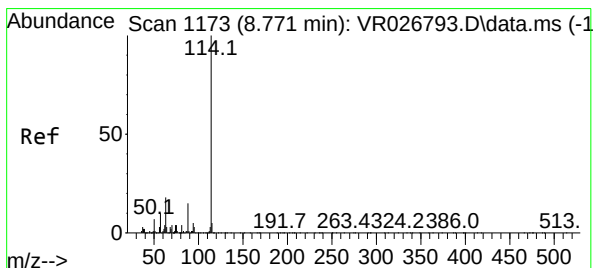
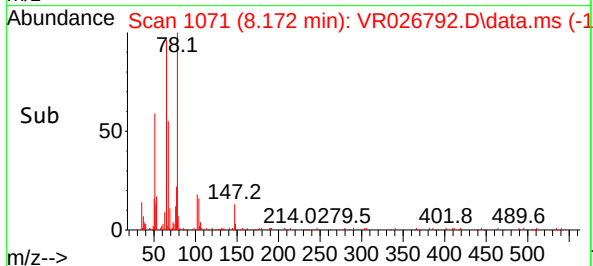
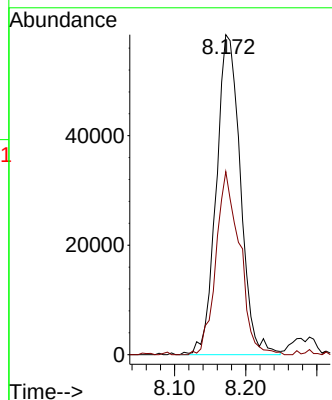
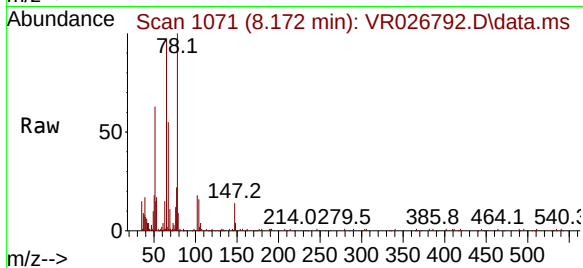
VSTDICC020

Tgt Ion: 65 Resp: 137638

Ion Ratio Lower Upper

65 100

67 56.4 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.771 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

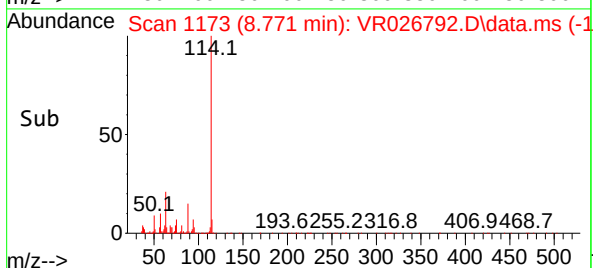
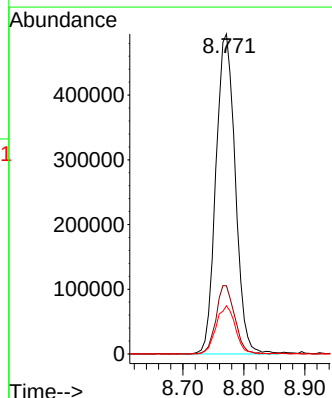
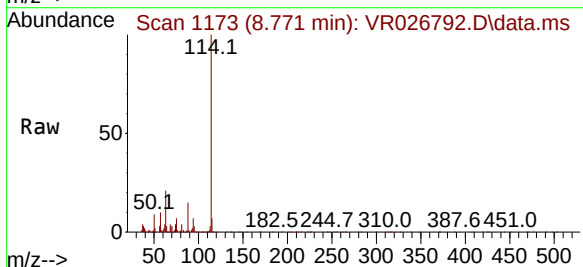
Tgt Ion: 114 Resp: 1091713

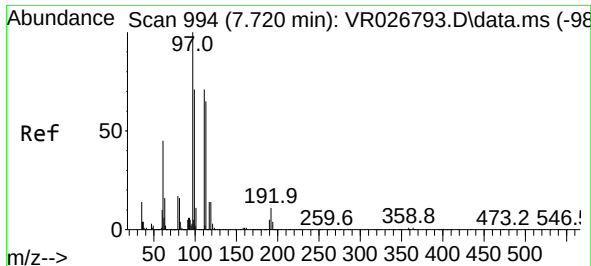
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.6

88 15.0 0.0 29.8

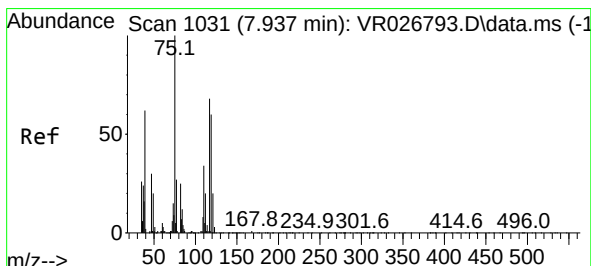
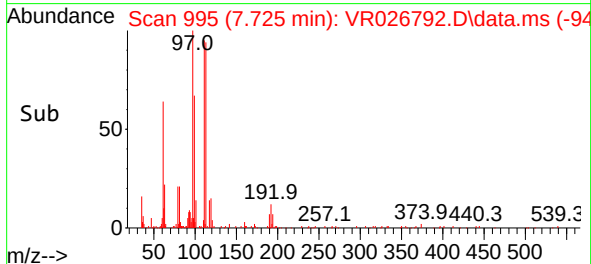
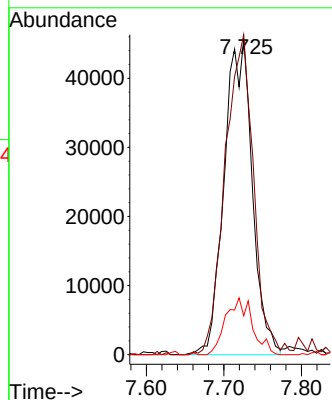
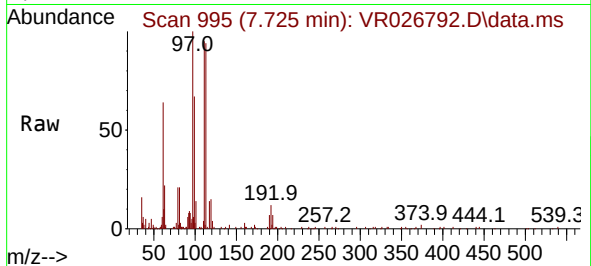




#35
Dibromofluoromethane
Concen: 18.561 ug/l
RT: 7.725 min Scan# 994
Delta R.T. 0.005 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

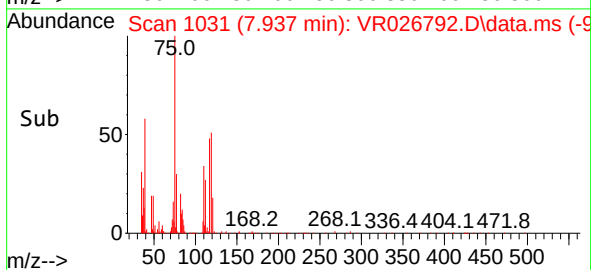
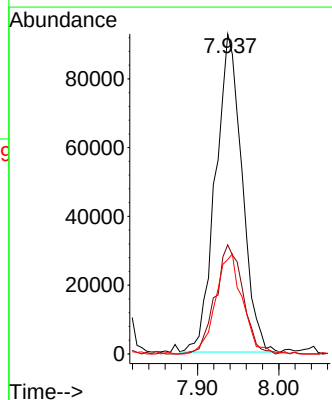
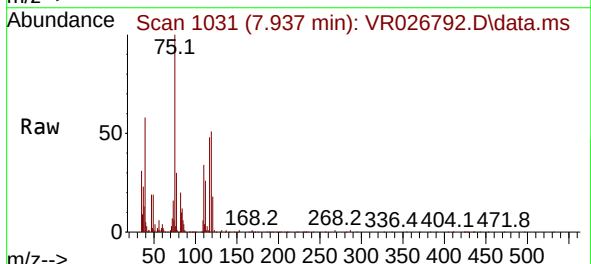
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

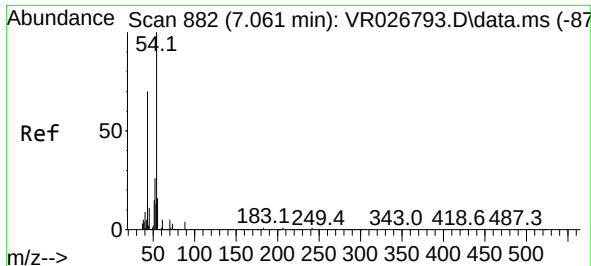
Tgt Ion:113 Resp: 114833
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 17.1 13.8 20.8



#36
1,1-Dichloropropene
Concen: 18.334 ug/l
RT: 7.937 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 209481
Ion Ratio Lower Upper
75 100
110 35.7 17.5 52.6
77 32.3 22.4 33.6





#37

Ethyl Acetate

Concen: 20.184 ug/l

RT: 7.056 min Scan# 81

Delta R.T. -0.005 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC020

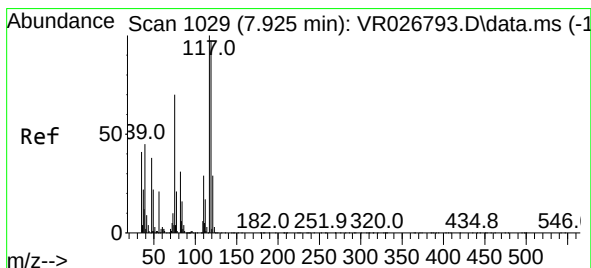
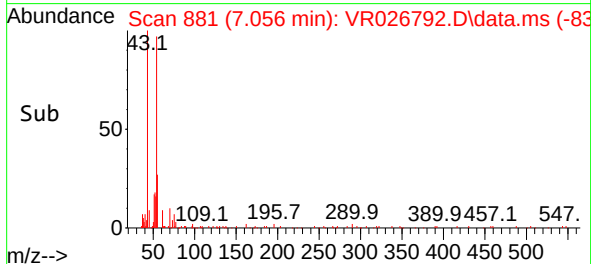
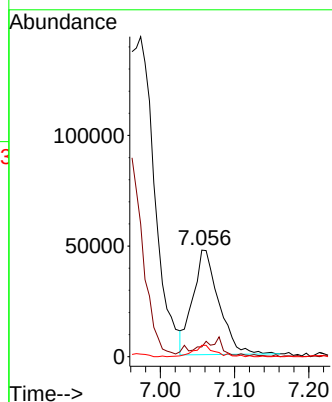
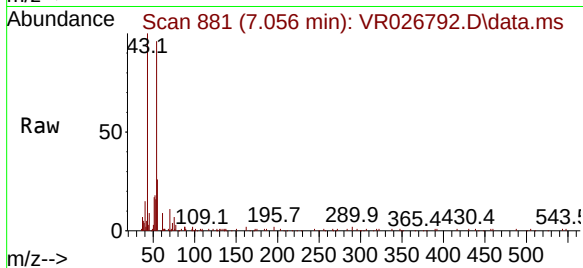
Tgt Ion: 43 Resp: 115150

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

70 8.7 7.8 11.6



#38

Carbon Tetrachloride

Concen: 18.481 ug/l

RT: 7.919 min Scan# 1028

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

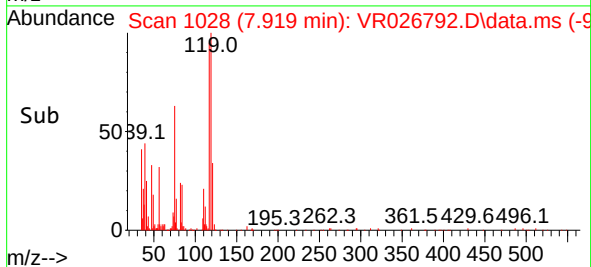
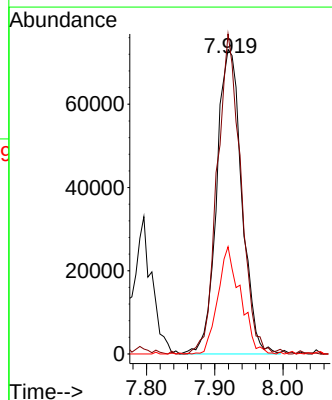
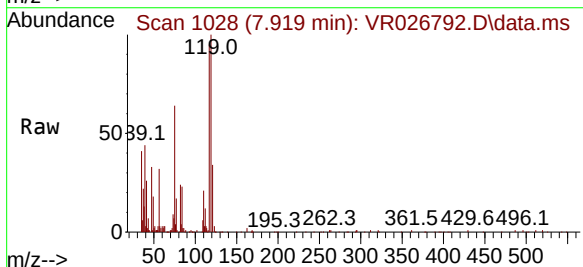
Tgt Ion: 117 Resp: 187624

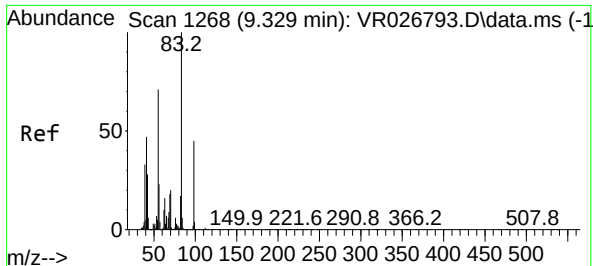
Ion Ratio Lower Upper

117 100

119 105.1 77.5 116.3

121 34.9 23.4 35.2





#39

Methylcyclohexane

Concen: 18.995 ug/l

RT: 9.324 min Scan# 1

Delta R.T. -0.005 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC020

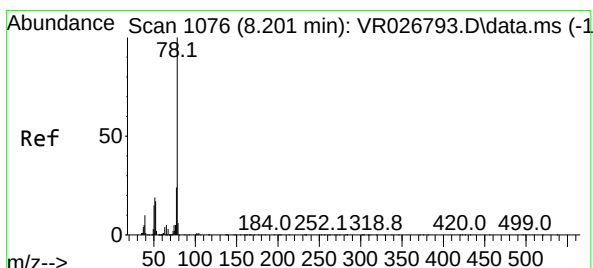
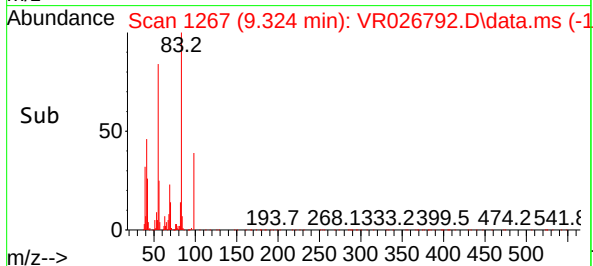
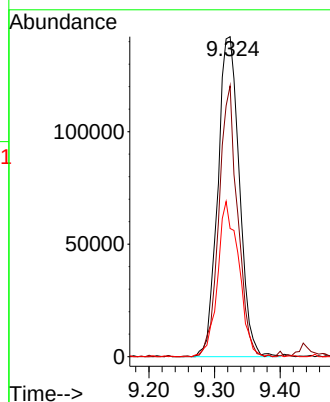
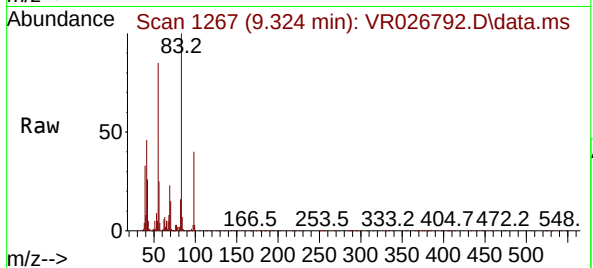
Tgt Ion: 83 Resp: 323761

Ion Ratio Lower Upper

83 100

55 84.6 56.6 85.0

98 40.1 36.0 54.0



#40

Benzene

Concen: 19.337 ug/l

RT: 8.201 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VR026792.D

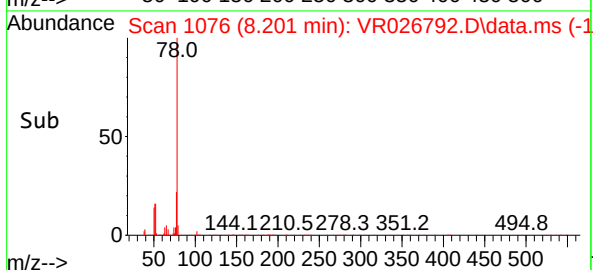
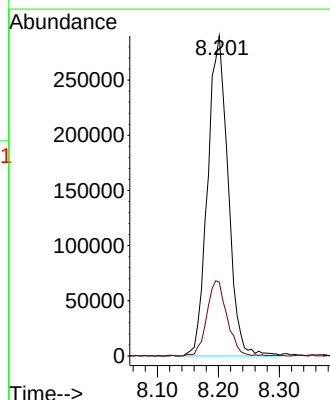
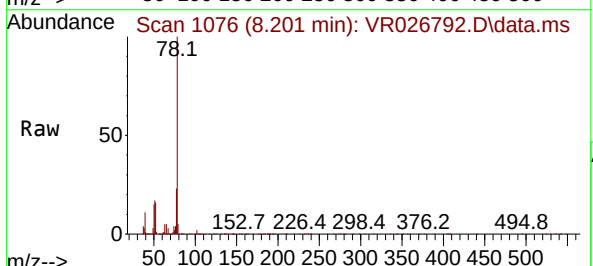
Acq: 4 Dec 2025 13:05

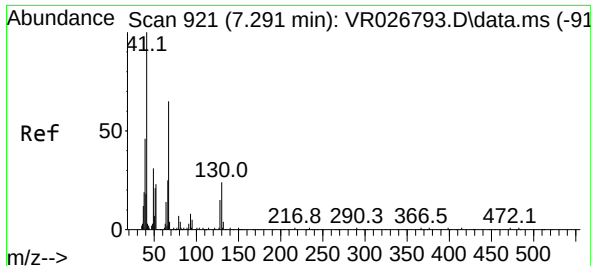
Tgt Ion: 78 Resp: 676533

Ion Ratio Lower Upper

78 100

77 23.1 19.5 29.3

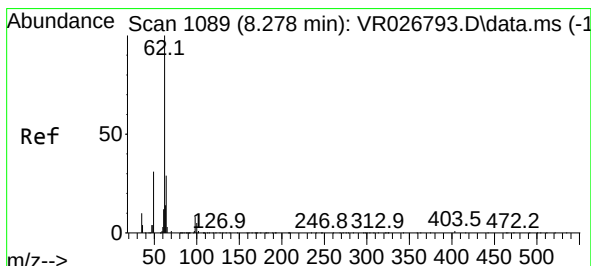
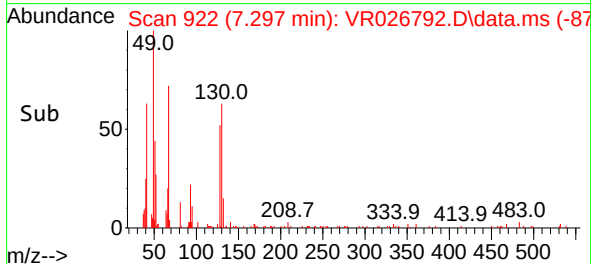
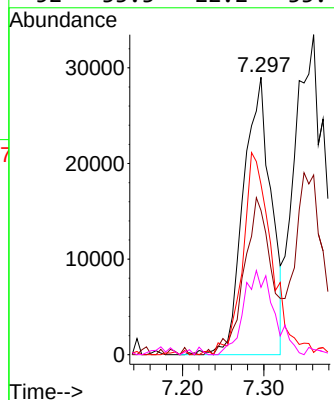
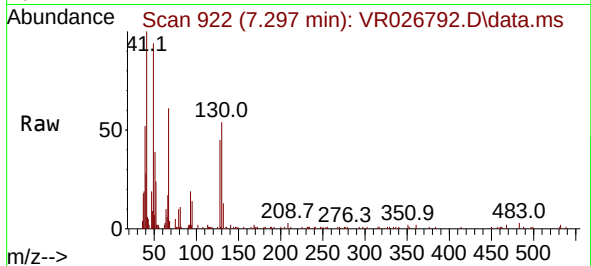




#41
Methacrylonitrile
Concen: 19.114 ug/l
RT: 7.297 min Scan# 91
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

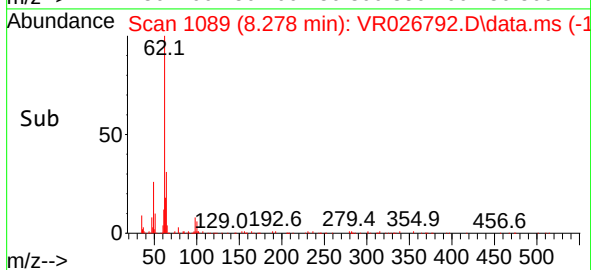
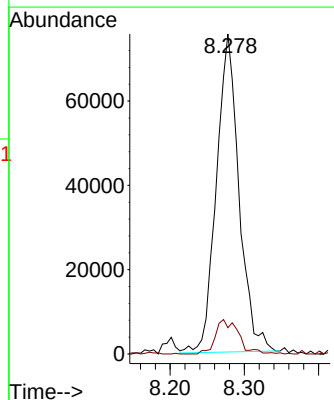
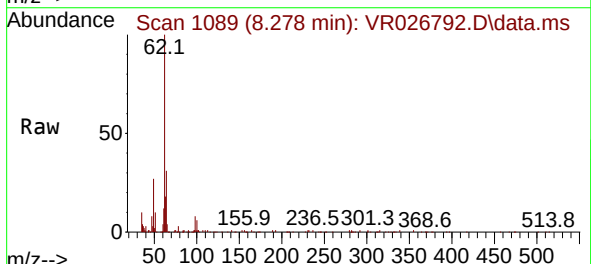
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

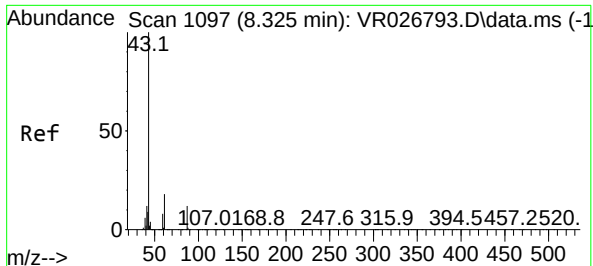
Tgt Ion: 41 Resp: 68390
Ion Ratio Lower Upper
41 100
39 58.3 40.4 60.6
67 76.0 55.5 83.3
52 33.3 22.2 33.4



#42
1,2-Dichloroethane
Concen: 18.467 ug/l
RT: 8.278 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 62 Resp: 159932
Ion Ratio Lower Upper
62 100
98 11.0 0.0 19.2

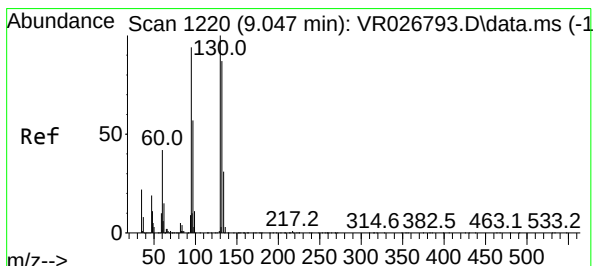
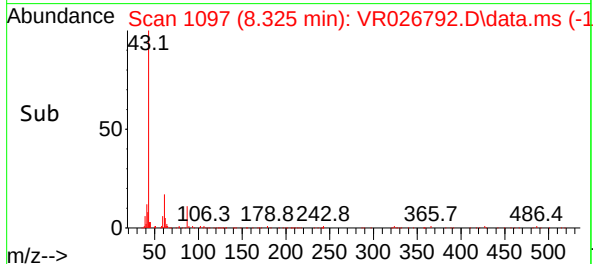
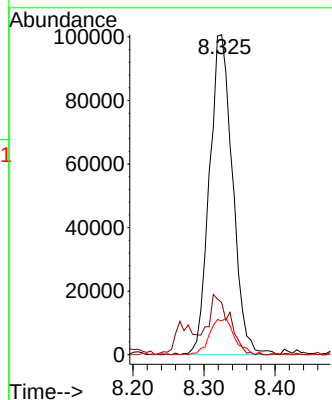
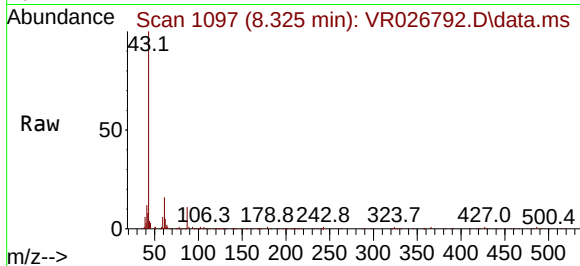




#43
Isopropyl Acetate
Concen: 18.933 ug/l
RT: 8.325 min Scan# 1097
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

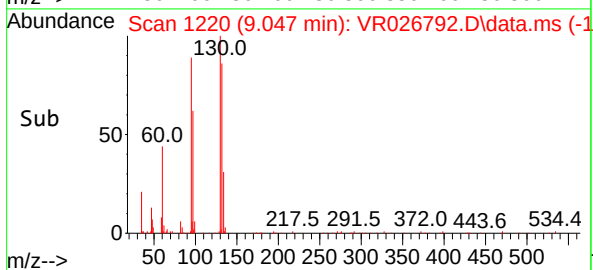
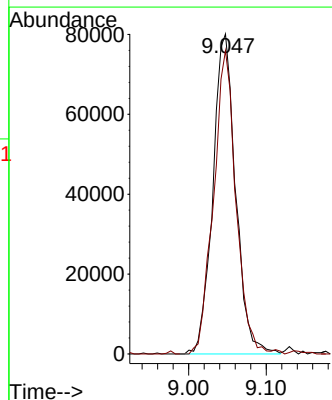
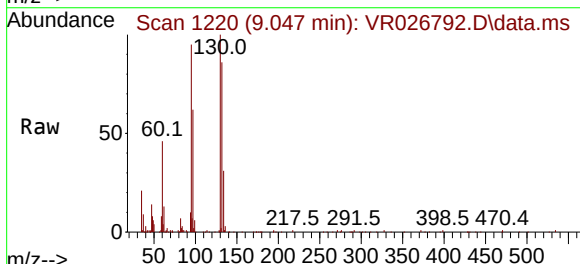
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

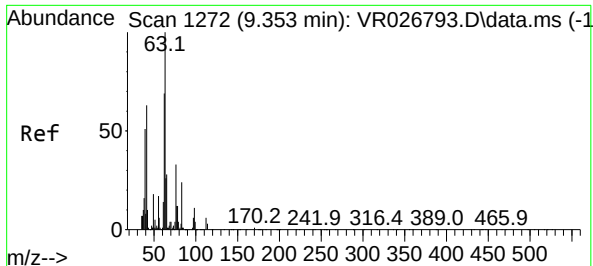
Tgt Ion: 43 Resp: 227224
Ion Ratio Lower Upper
43 100
61 17.0 17.0 25.6
87 12.0 10.5 15.7



#44
Trichloroethene
Concen: 19.630 ug/l
RT: 9.047 min Scan# 1220
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 130 Resp: 163271
Ion Ratio Lower Upper
130 100
95 94.5 0.0 188.0





#45

1,2-Dichloropropane

Concen: 18.299 ug/l

RT: 9.347 min Scan# 1271

Delta R.T. -0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

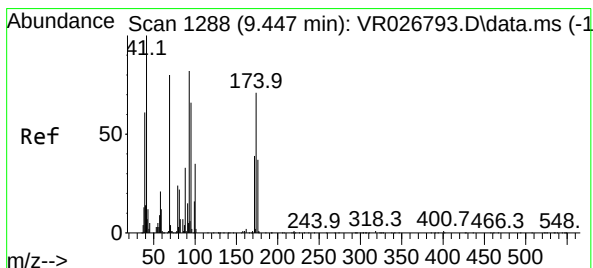
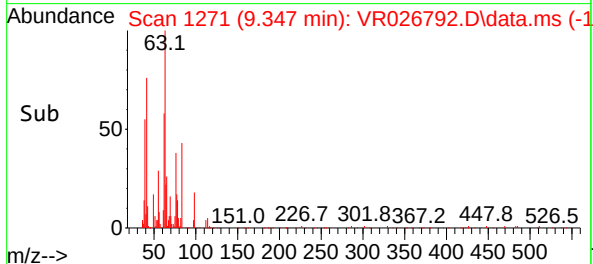
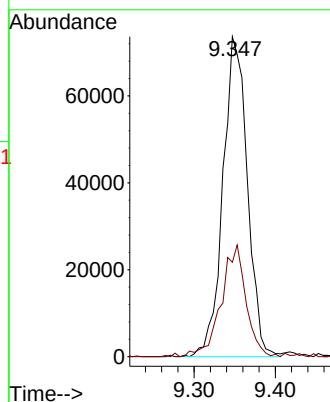
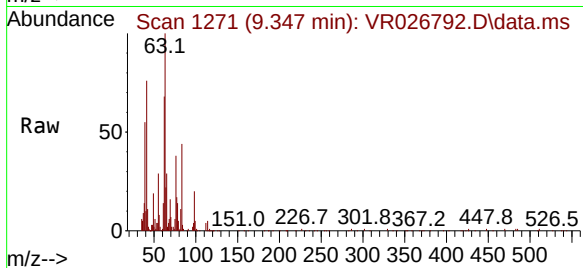
VSTDIC020

Tgt Ion: 63 Resp: 154024

Ion Ratio Lower Upper

63 100

65 29.5 22.7 34.1



#46

Dibromomethane

Concen: 18.916 ug/l

RT: 9.453 min Scan# 1289

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

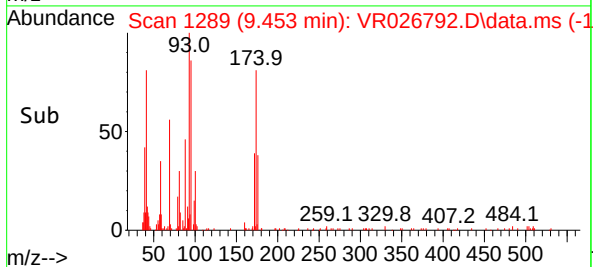
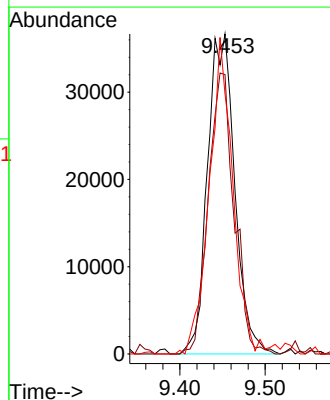
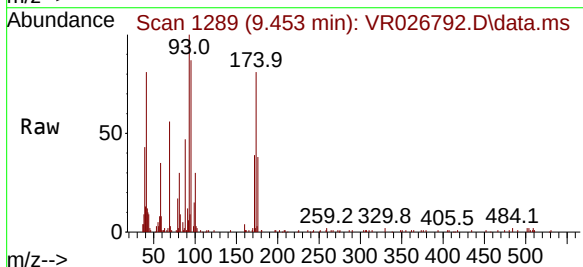
Tgt Ion: 93 Resp: 81550

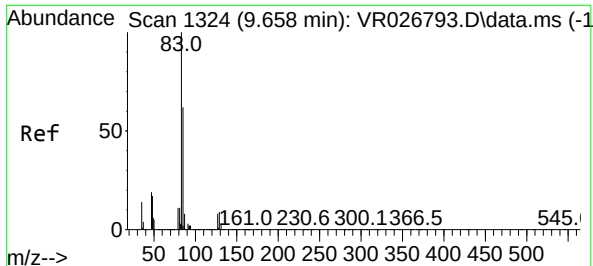
Ion Ratio Lower Upper

93 100

95 83.7 63.4 95.2

174 85.9 67.1 100.7





#47

Bromodichloromethane

Concen: 18.963 ug/l

RT: 9.659 min Scan# 11

Delta R.T. 0.001 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC020

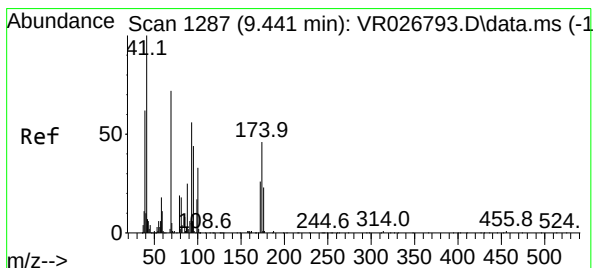
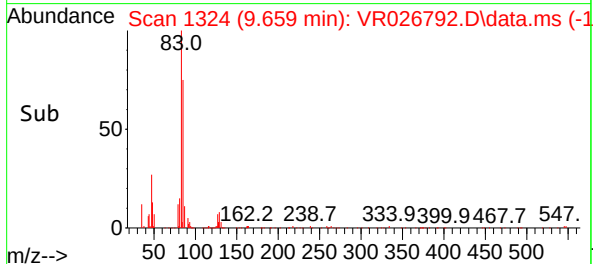
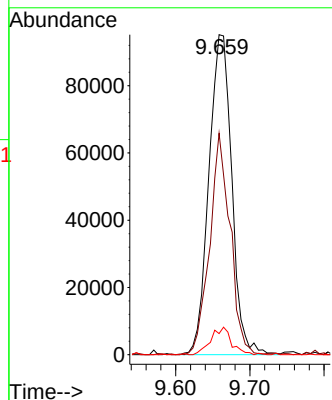
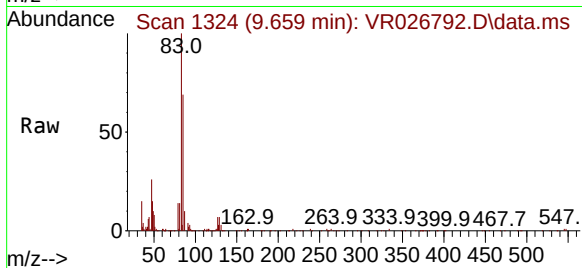
Tgt Ion: 83 Resp: 203923

Ion Ratio Lower Upper

83 100

85 69.0 49.8 74.8

127 6.6 6.5 9.7



#48

Methyl methacrylate

Concen: 17.465 ug/l

RT: 9.441 min Scan# 1287

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

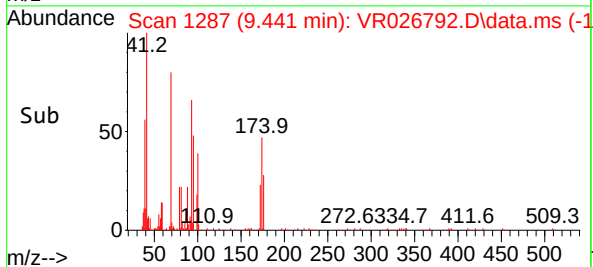
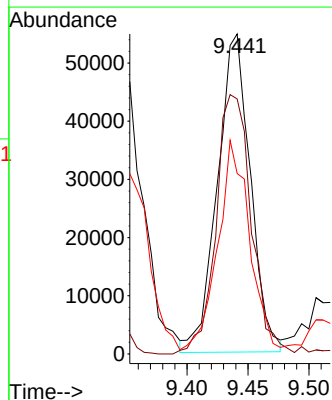
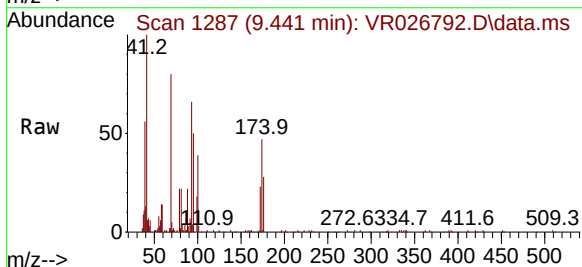
Tgt Ion: 41 Resp: 103149

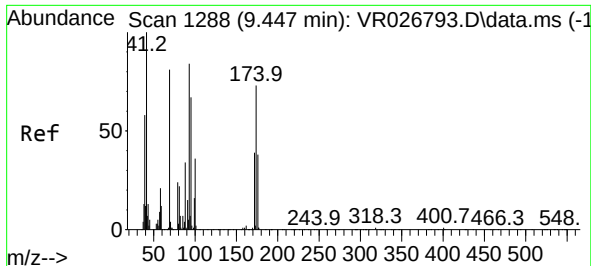
Ion Ratio Lower Upper

41 100

69 86.9 60.6 90.8

39 65.6 48.2 72.2

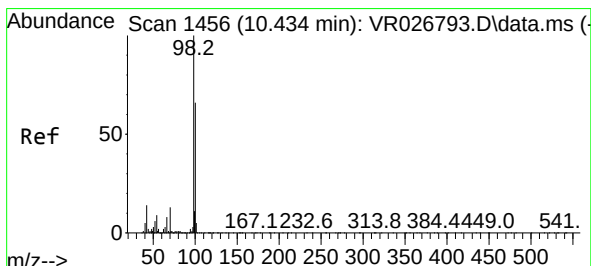
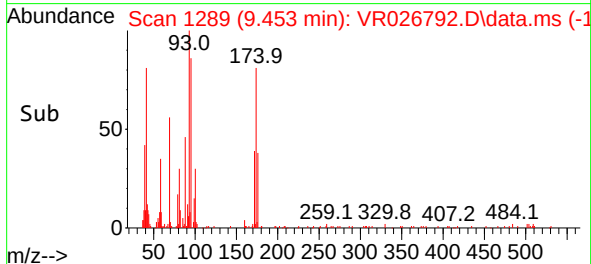
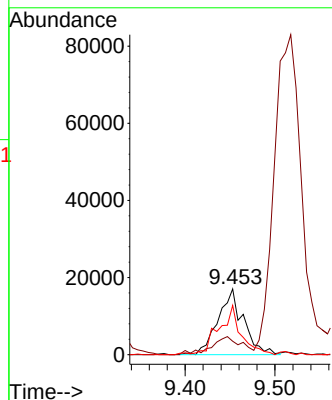
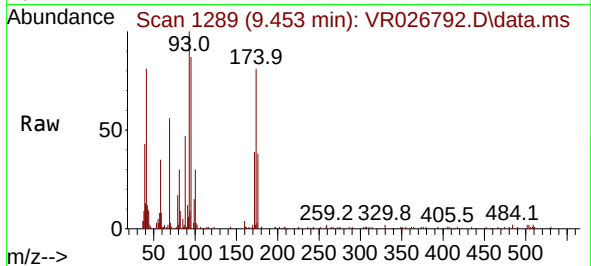




#49
1,4-Dioxane
Concen: 386.393 ug/l
RT: 9.453 min Scan# 11
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

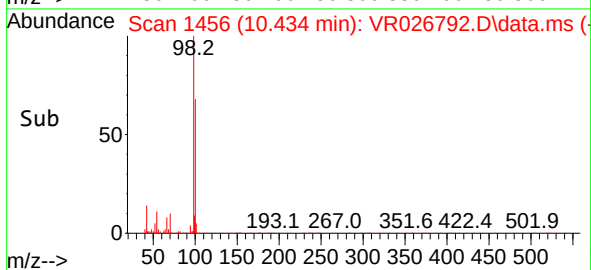
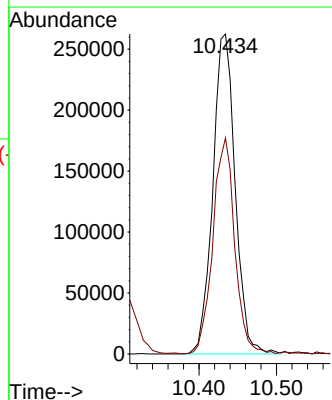
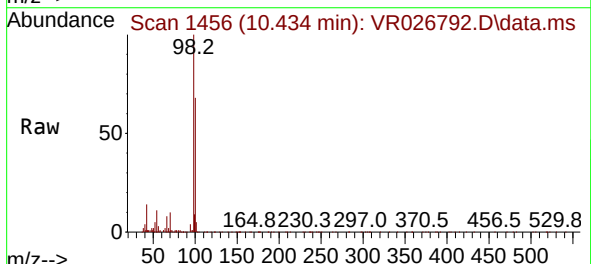
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

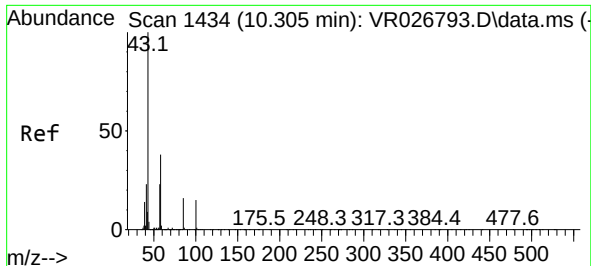
Tgt Ion: 88 Resp: 33584
Ion Ratio Lower Upper
88 100
43 32.6 14.1 21.1#
58 65.6 52.6 78.8



#50
Toluene-d8
Concen: 18.058 ug/l
RT: 10.434 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 98 Resp: 526121
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.6

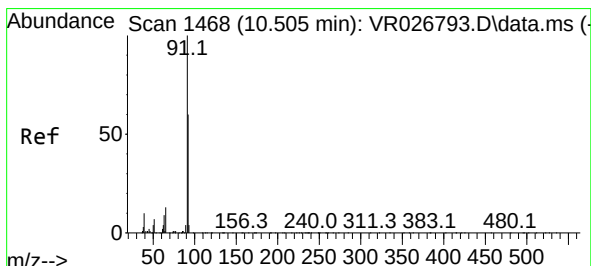
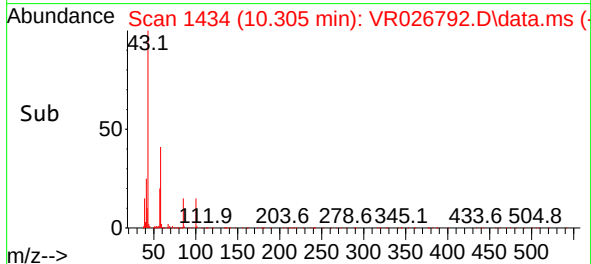
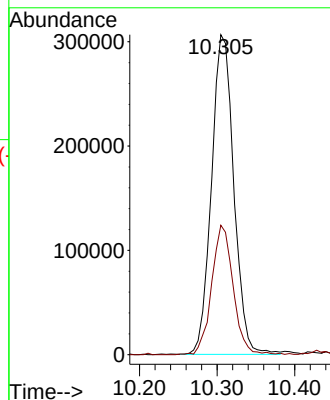
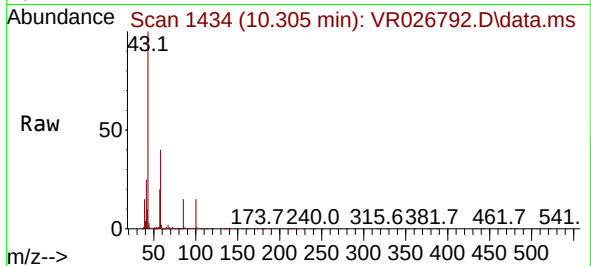




#51
4-Methyl-2-Pentanone
Concen: 96.416 ug/l
RT: 10.305 min Scan# 1434
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

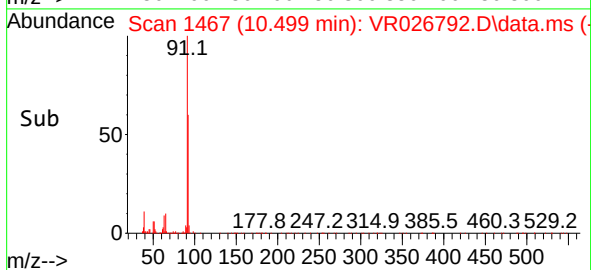
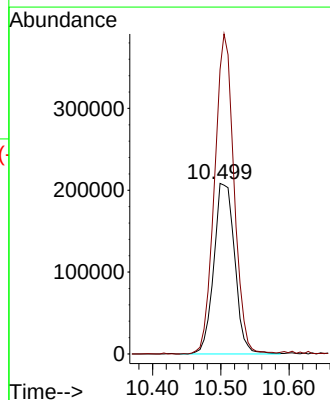
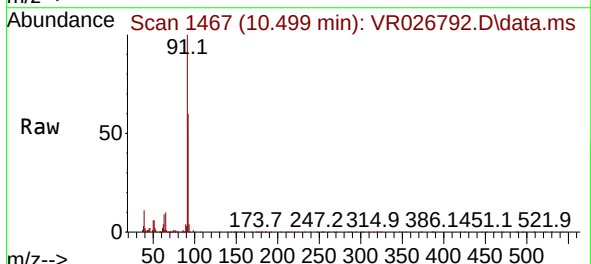
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

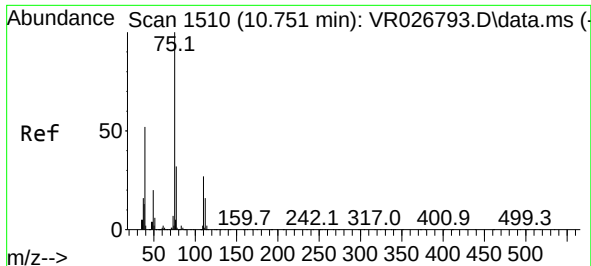
Tgt Ion: 43 Resp: 614679
Ion Ratio Lower Upper
43 100
58 39.1 31.1 46.7



#52
Toluene
Concen: 18.922 ug/l
RT: 10.499 min Scan# 1467
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 92 Resp: 443512
Ion Ratio Lower Upper
92 100
91 175.3 139.7 209.5

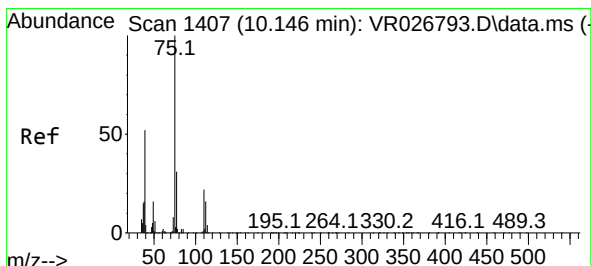
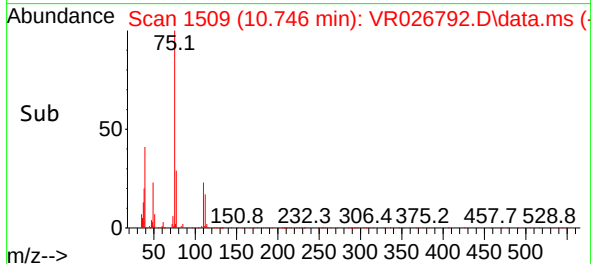
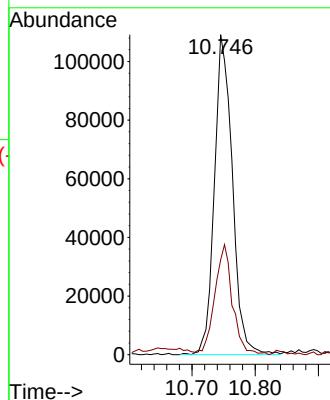
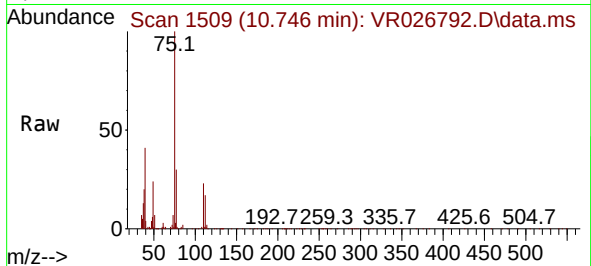




#53
t-1,3-Dichloropropene
Concen: 19.485 ug/l
RT: 10.746 min Scan# 1510
Delta R.T. -0.005 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

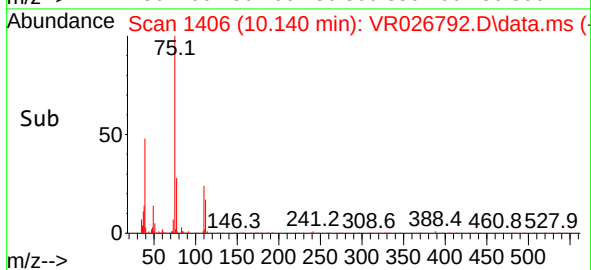
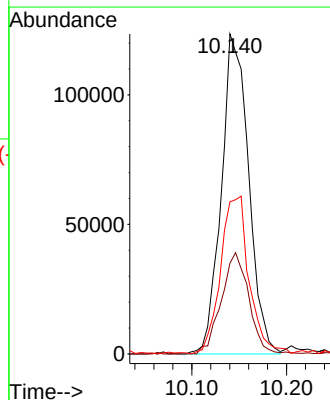
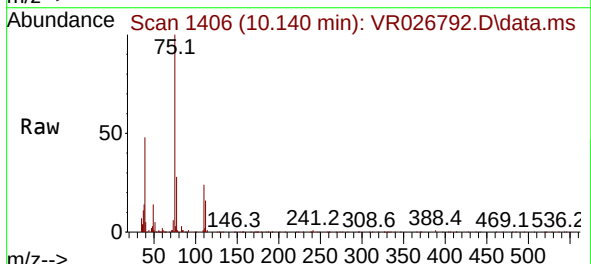
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

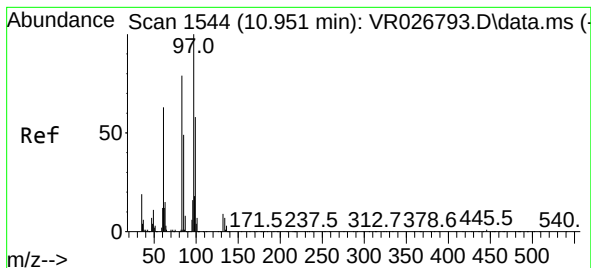
Tgt Ion: 75 Resp: 215466
Ion Ratio Lower Upper
75 100
77 28.7 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 18.678 ug/l
RT: 10.140 min Scan# 1406
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 246931
Ion Ratio Lower Upper
75 100
77 28.4 24.6 37.0
39 47.1 41.8 62.6



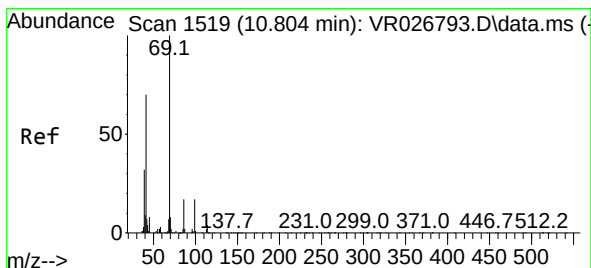
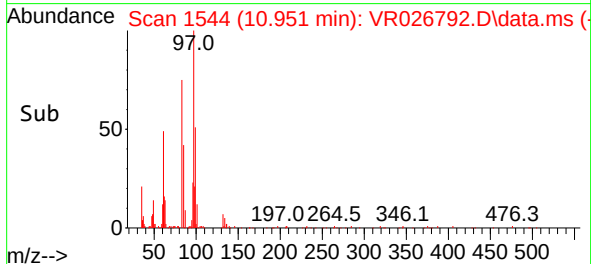
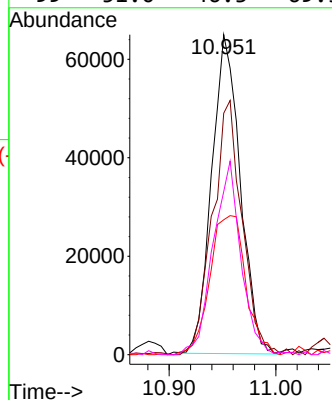
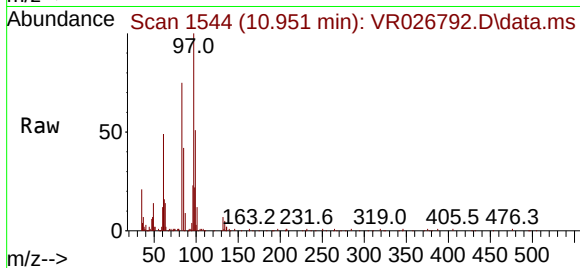


#55
1,1,2-Trichloroethane
Concen: 19.463 ug/l
RT: 10.951 min Scan# 1544
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 120694

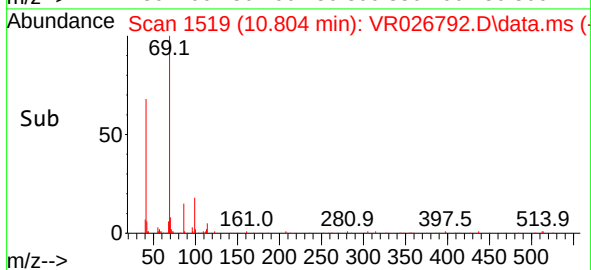
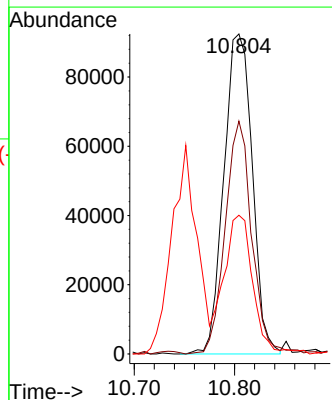
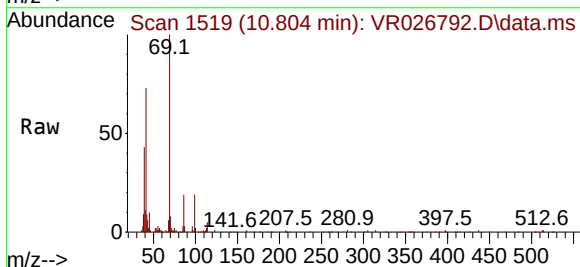
Ion	Ratio	Lower	Upper
97	100		
83	76.0	63.4	95.2
85	42.5	39.2	58.8
99	51.0	46.3	69.5

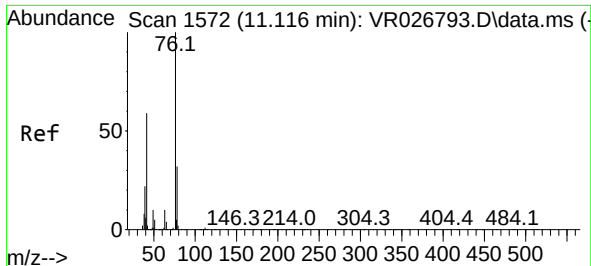


#56
Ethyl methacrylate
Concen: 19.788 ug/l
RT: 10.804 min Scan# 1519
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 69 Resp: 181582

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.3	82.9
39	43.8	33.7	50.5





#57

1,3-Dichloropropane

Concen: 18.837 ug/l

RT: 11.116 min Scan# 11

Delta R.T. -0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

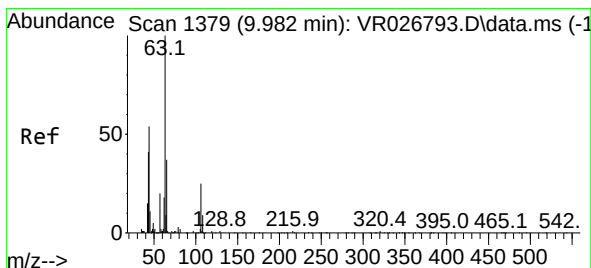
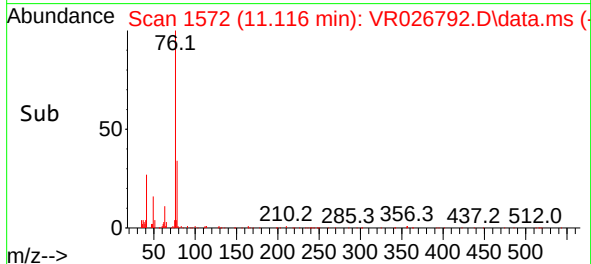
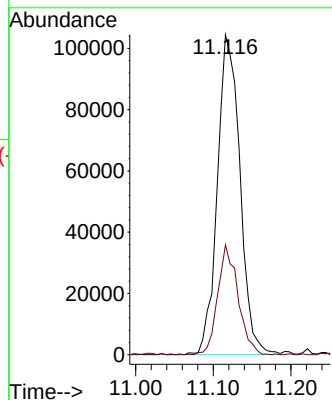
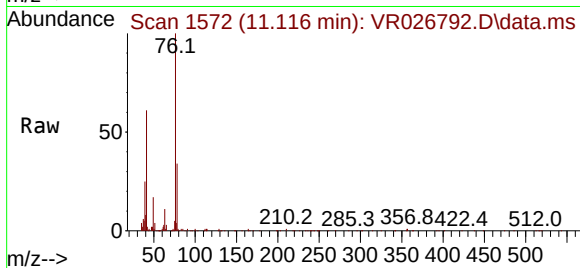
VSTDIC020

Tgt Ion: 76 Resp: 211919

Ion Ratio Lower Upper

76 100

78 30.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 101.122 ug/l

RT: 9.982 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VR026792.D

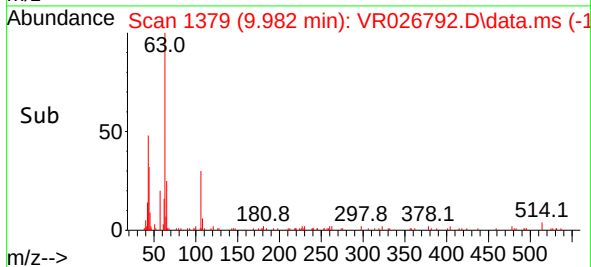
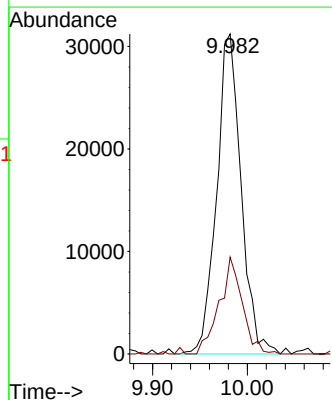
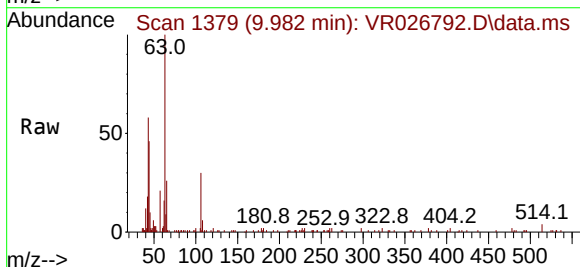
Acq: 4 Dec 2025 13:05

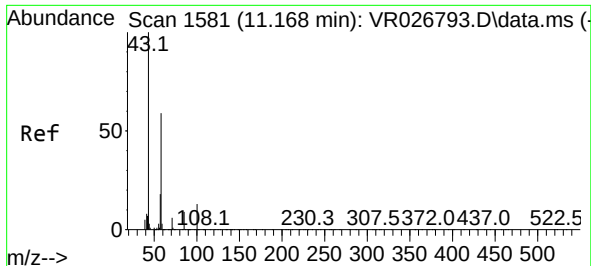
Tgt Ion: 63 Resp: 55899

Ion Ratio Lower Upper

63 100

106 28.5 23.7 35.5

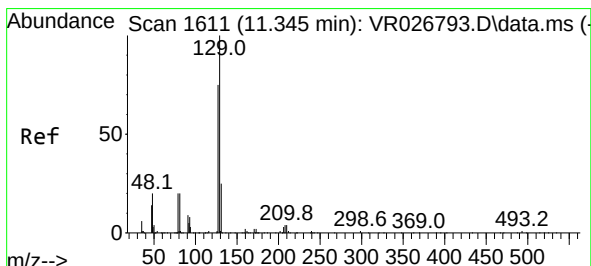
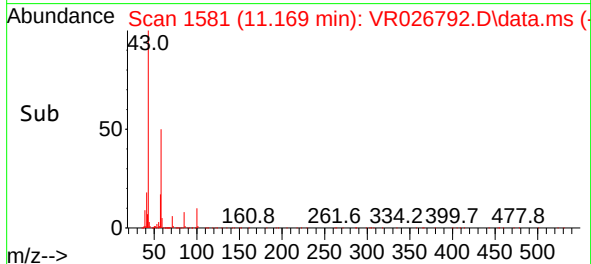
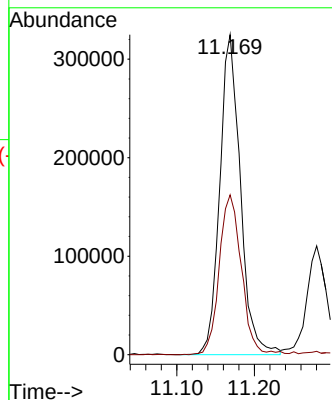
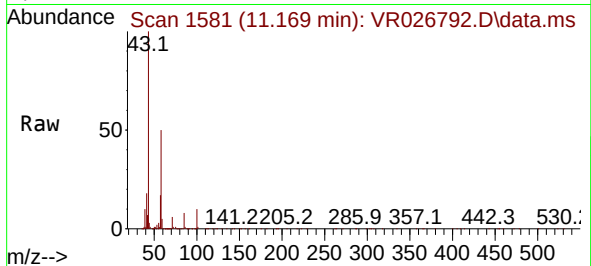




#59
2-Hexanone
Concen: 106.241 ug/l
RT: 11.169 min Scan# 1581
Delta R.T. 0.001 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

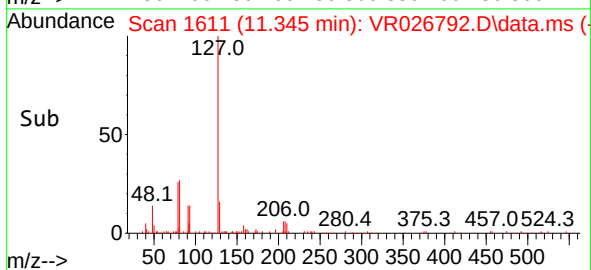
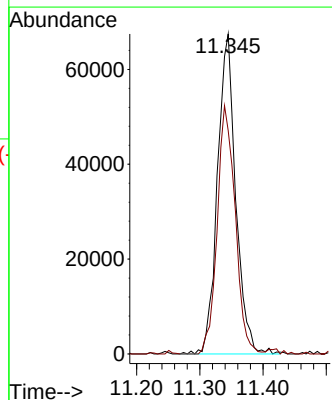
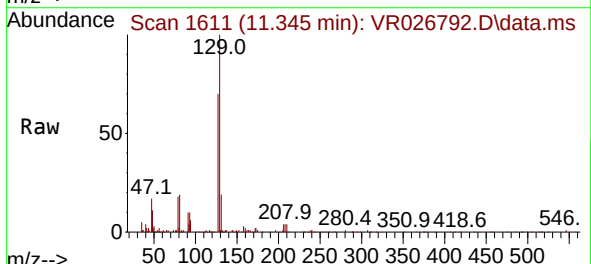
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

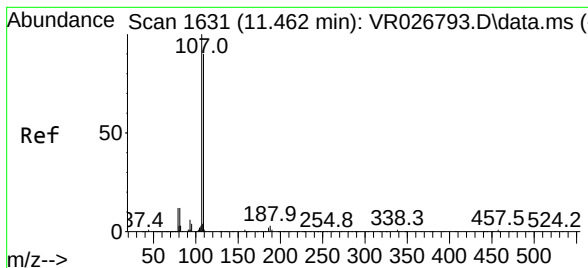
Tgt Ion: 43 Resp: 600744
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.2



#60
Dibromochloromethane
Concen: 20.260 ug/l
RT: 11.345 min Scan# 1611
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:129 Resp: 135827
Ion Ratio Lower Upper
129 100
127 76.5 40.6 121.8

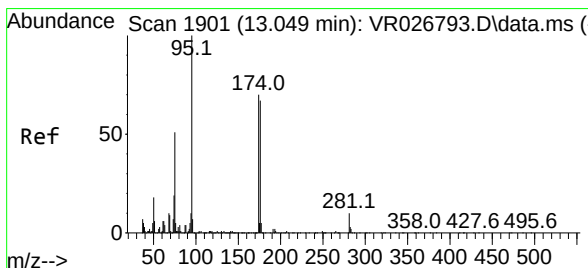
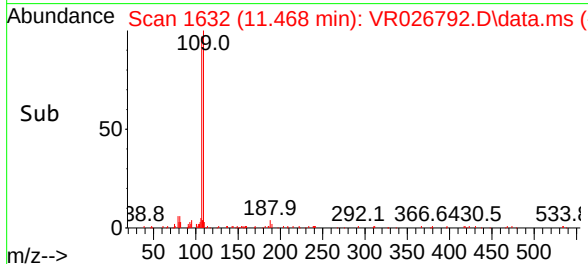
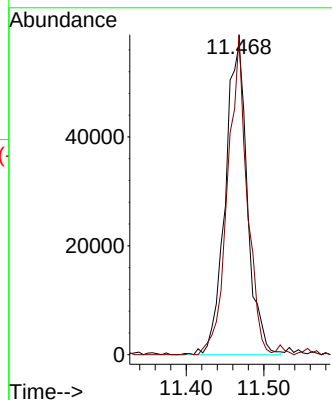
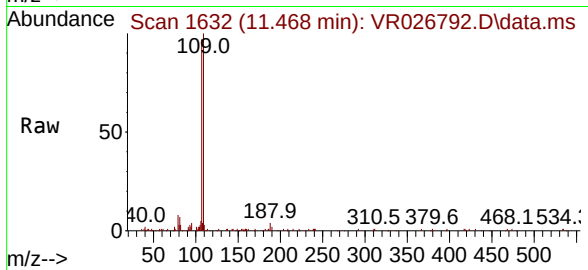




#61
1,2-Dibromoethane
Concen: 19.611 ug/l
RT: 11.468 min Scan# 1
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

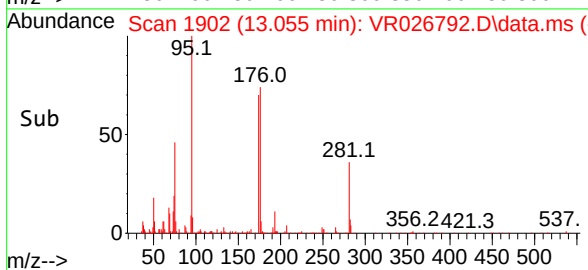
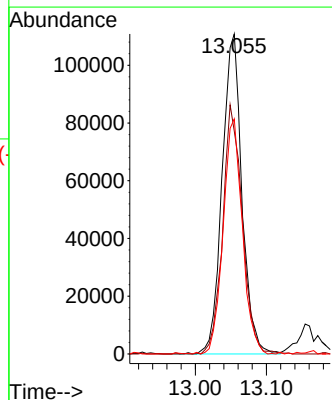
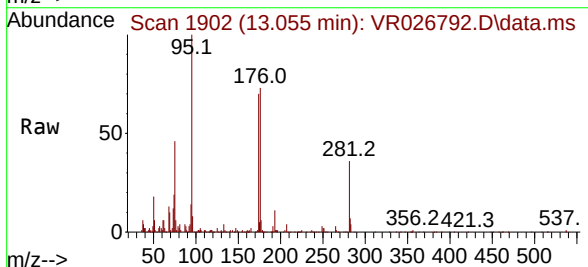
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

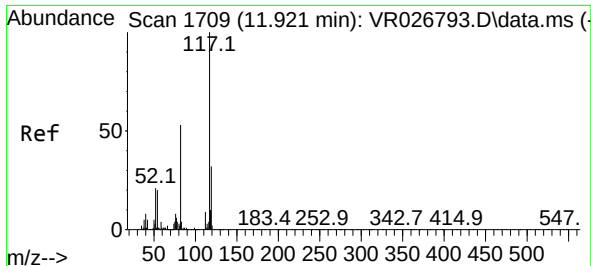
Tgt Ion:107 Resp: 114515
Ion Ratio Lower Upper
107 100
109 89.3 76.7 115.1



#62
4-Bromofluorobenzene
Concen: 19.073 ug/l
RT: 13.055 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 95 Resp: 213570
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.6
176 71.4 0.0 140.6

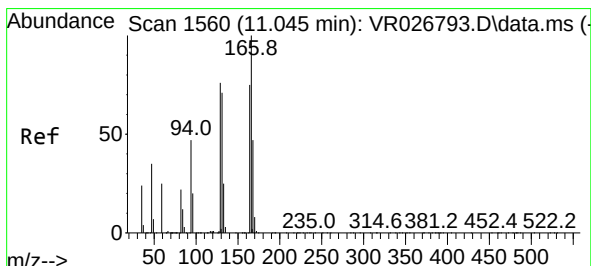
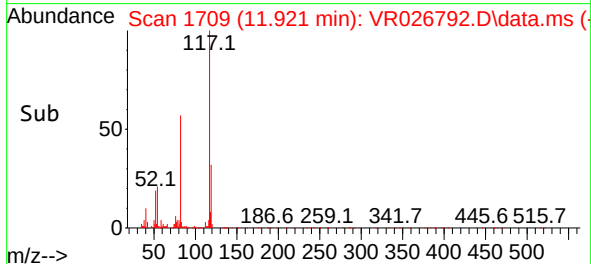
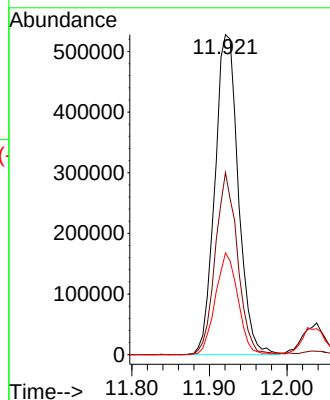
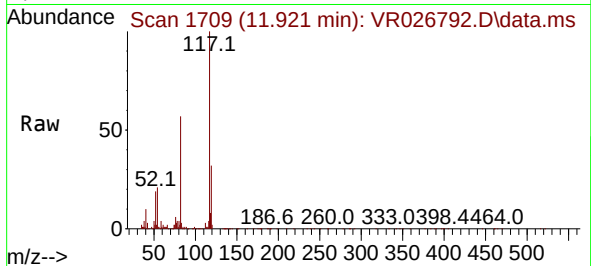




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.921 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

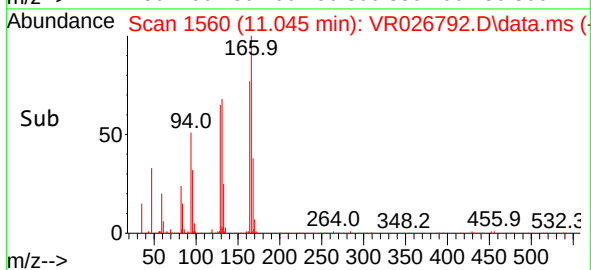
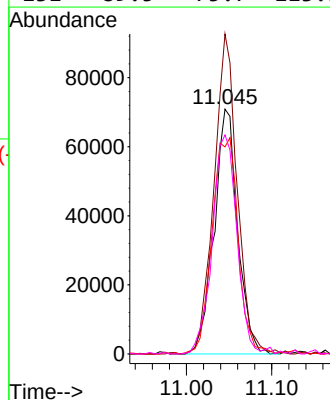
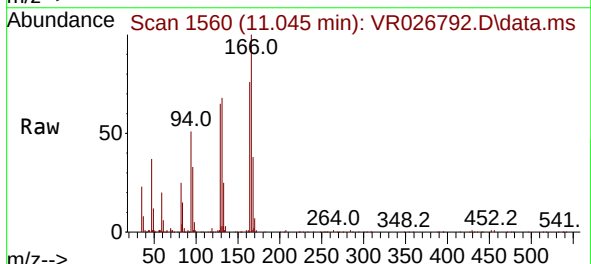
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

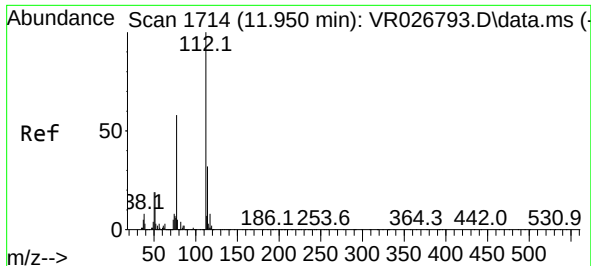
Tgt Ion:117 Resp: 1110698
Ion Ratio Lower Upper
117 100
82 56.9 42.3 63.5
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 17.688 ug/l
RT: 11.045 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:164 Resp: 136032
Ion Ratio Lower Upper
164 100
166 130.7 106.5 159.7
129 84.6 81.1 121.7
131 89.5 75.7 113.5

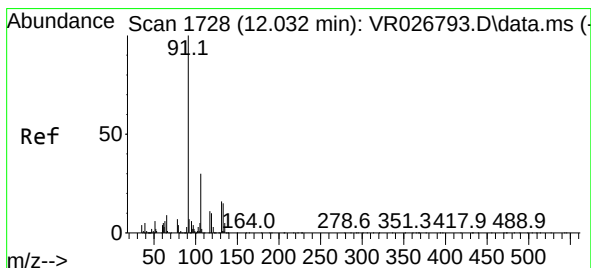
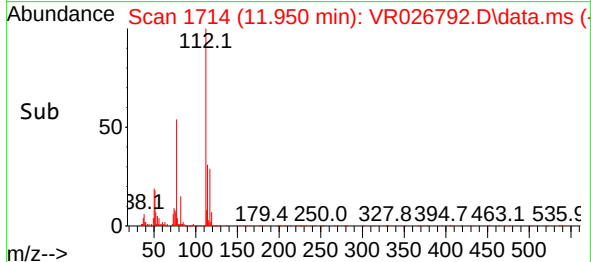
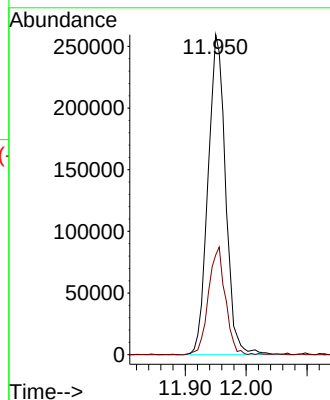
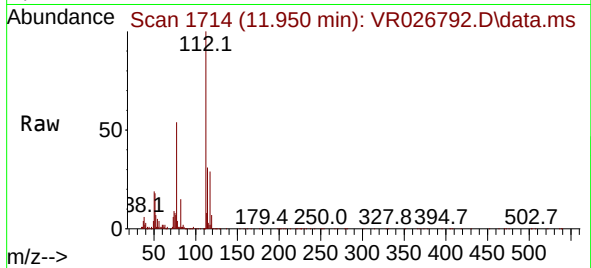




#65
Chlorobenzene
Concen: 19.132 ug/l
RT: 11.950 min Scan# 1714
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

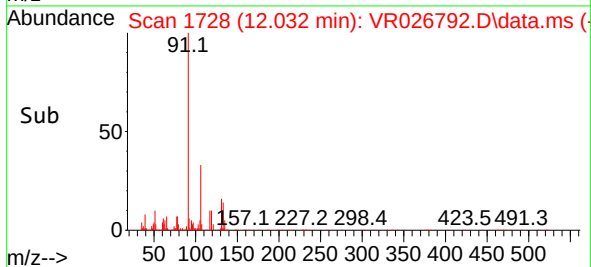
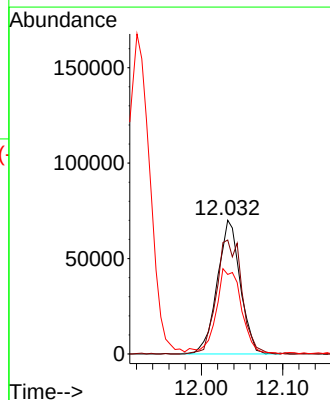
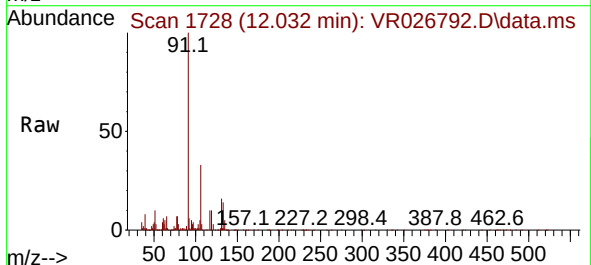
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

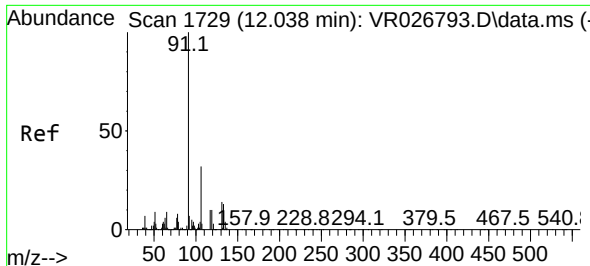
Tgt Ion:112 Resp: 519956
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.573 ug/l
RT: 12.032 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:131 Resp: 137839
Ion Ratio Lower Upper
131 100
133 94.3 47.0 141.2
119 70.5 34.9 104.7

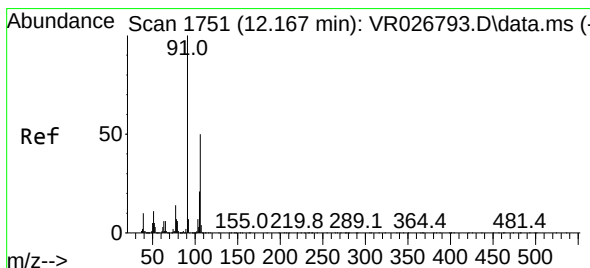
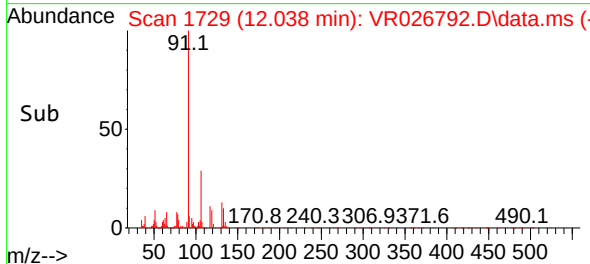
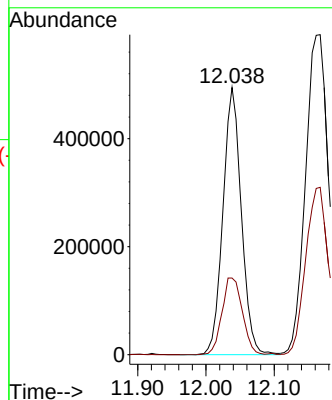
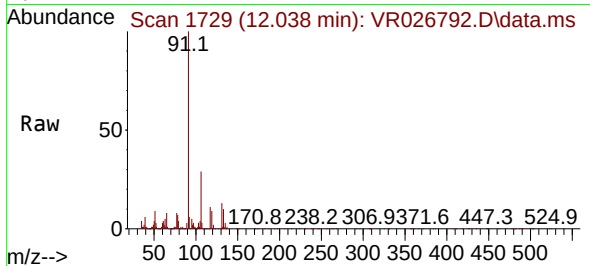




#67
Ethyl Benzene
Concen: 18.993 ug/l
RT: 12.038 min Scan# 1729
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

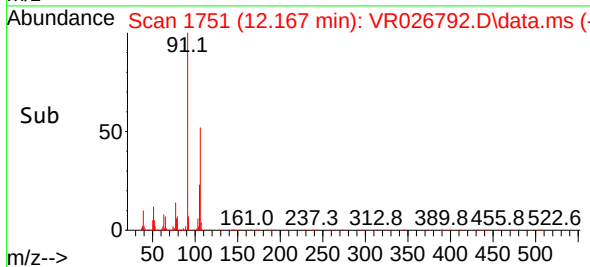
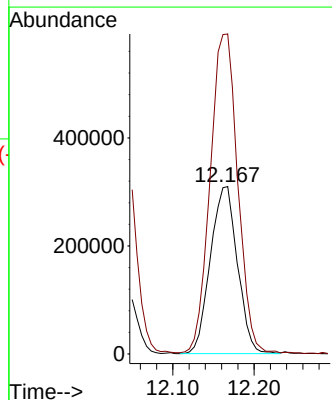
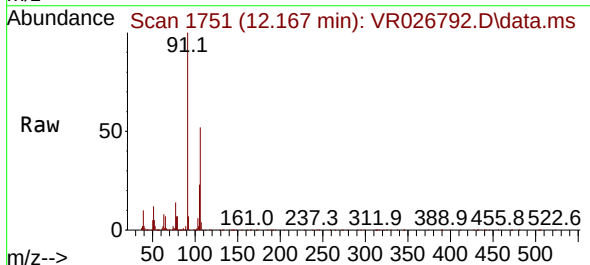
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

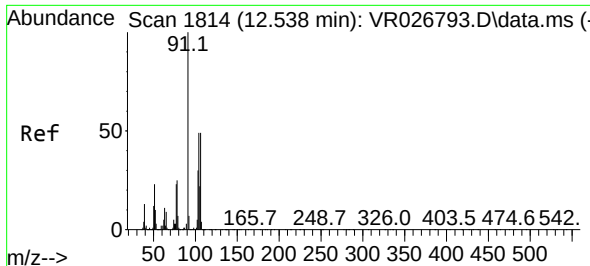
Tgt Ion: 91 Resp: 928430
Ion Ratio Lower Upper
91 100
106 28.7 25.2 37.8



#68
m/p-Xylenes
Concen: 37.376 ug/l
RT: 12.167 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 106 Resp: 714843
Ion Ratio Lower Upper
106 100
91 195.0 159.2 238.8

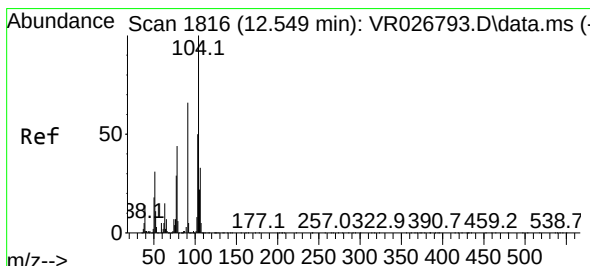
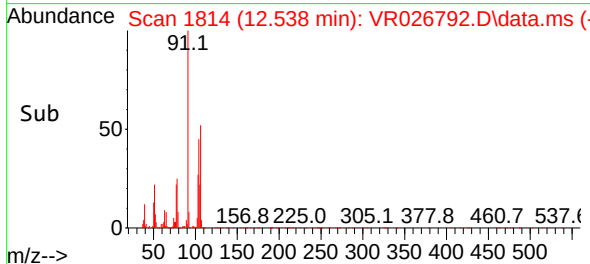
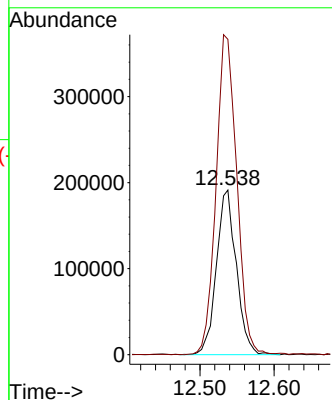
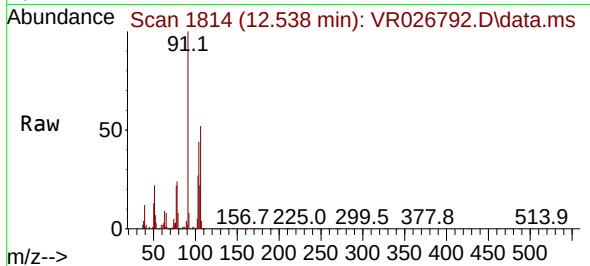




#69
o-Xylene
Concen: 19.376 ug/l
RT: 12.538 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

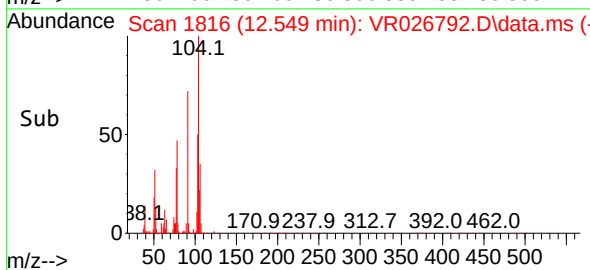
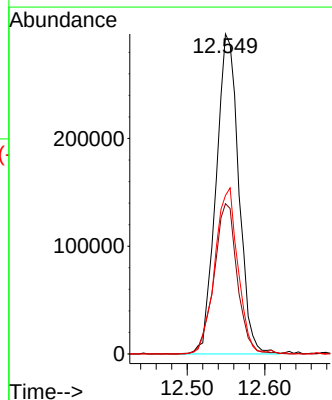
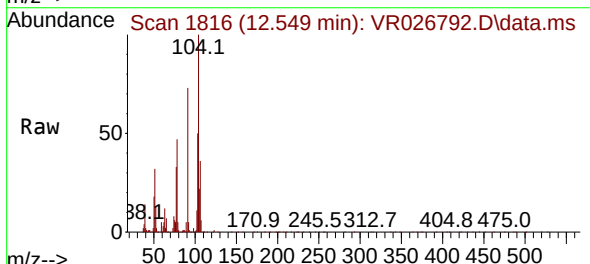
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

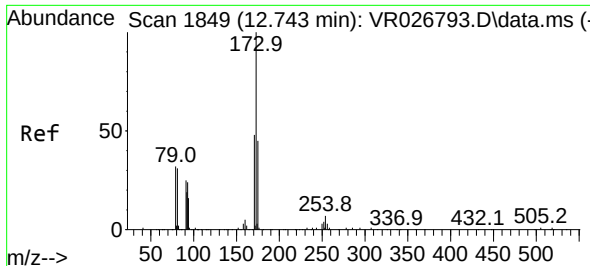
Tgt Ion:106 Resp: 356416
Ion Ratio Lower Upper
106 100
91 202.4 102.5 307.4



#70
Styrene
Concen: 19.173 ug/l
RT: 12.549 min Scan# 1816
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:104 Resp: 604197
Ion Ratio Lower Upper
104 100
78 48.1 37.8 56.8
103 53.2 43.3 64.9

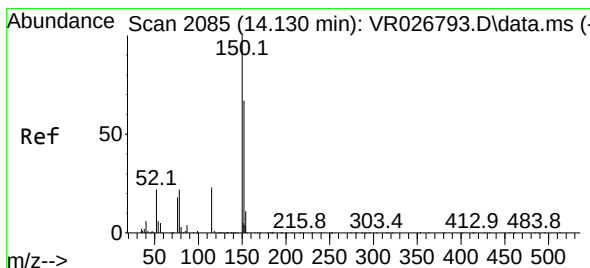
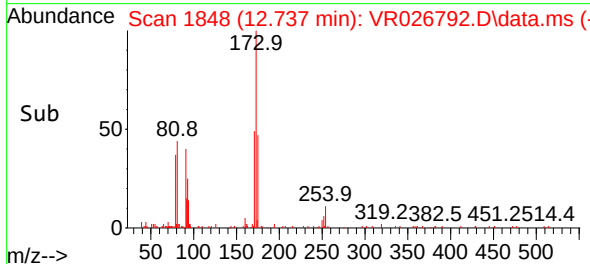
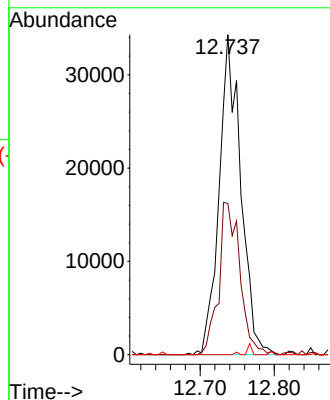
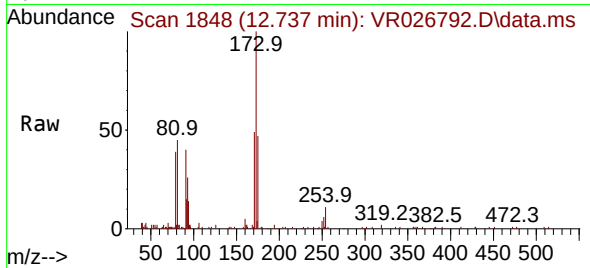




#71
Bromoform
Concen: 18.115 ug/l
RT: 12.737 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

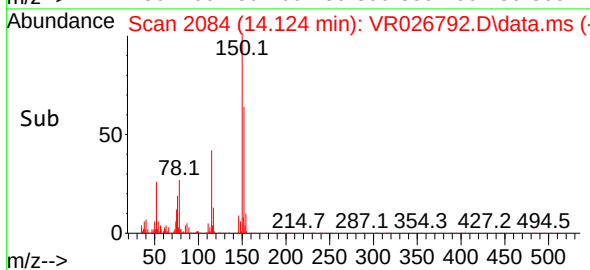
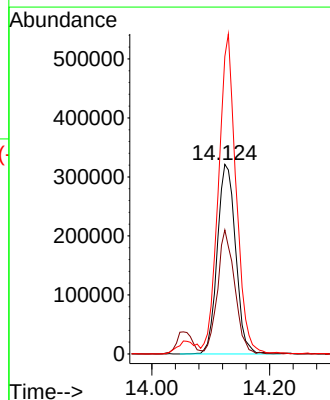
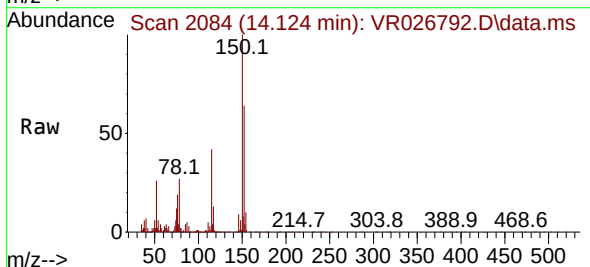
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

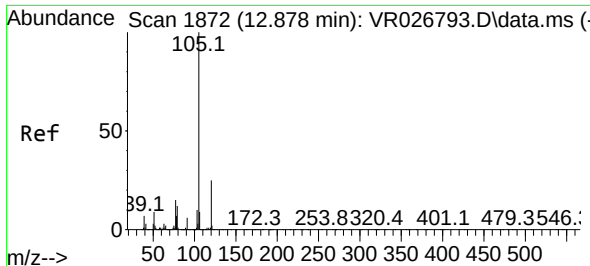
Tgt Ion:173 Resp: 69420
Ion Ratio Lower Upper
173 100
175 46.5 24.9 74.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.124 min Scan# 2084
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:152 Resp: 694349
Ion Ratio Lower Upper
152 100
115 61.3 29.0 87.1
150 161.0 0.0 345.6

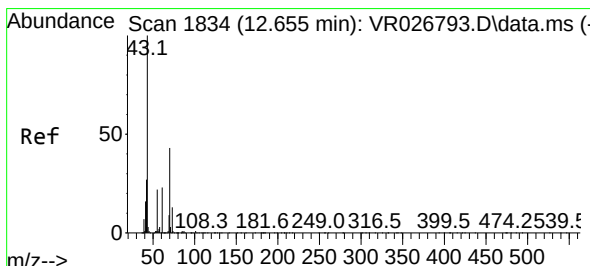
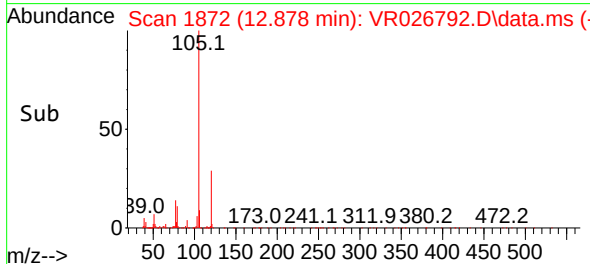
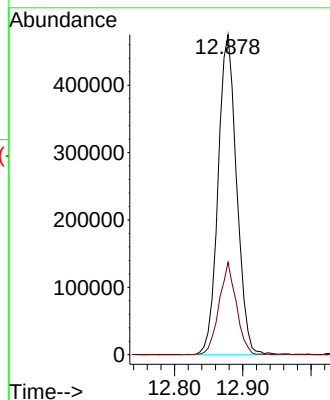
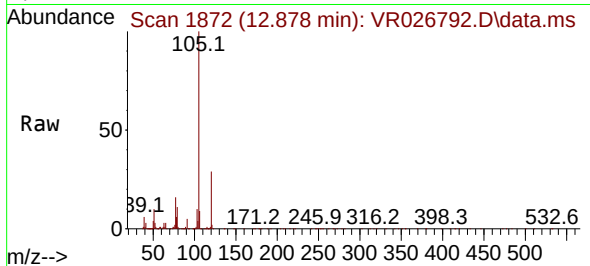




#73
Isopropylbenzene
Concen: 18.692 ug/l
RT: 12.878 min Scan# 1872
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

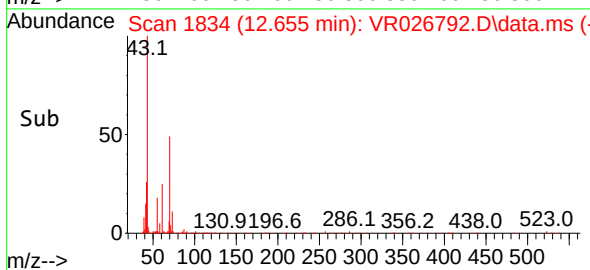
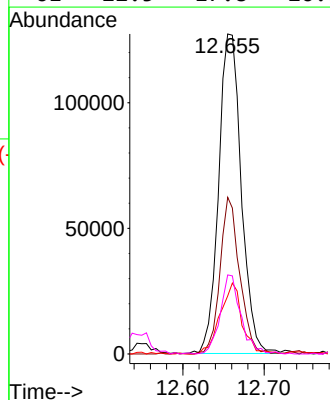
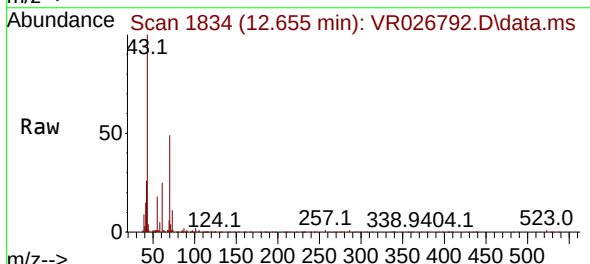
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

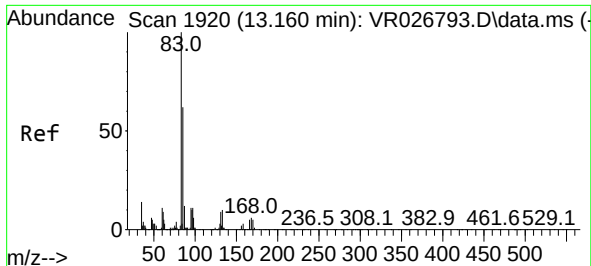
Tgt Ion:105 Resp: 897069
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.1



#74
N-ethyl acetate
Concen: 18.792 ug/l
RT: 12.655 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 43 Resp: 246853
Ion Ratio Lower Upper
43 100
70 42.6 32.6 49.0
55 21.6 17.8 26.8
61 22.5 17.8 26.8

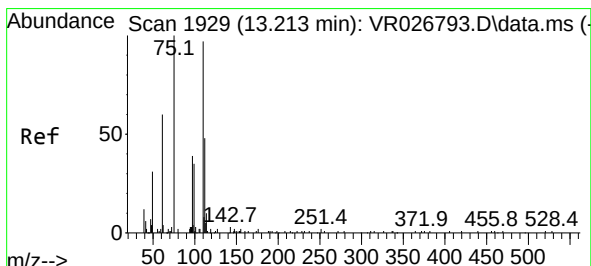
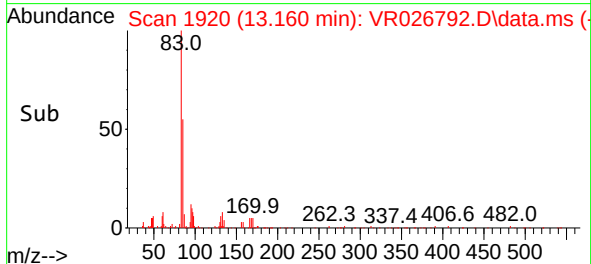
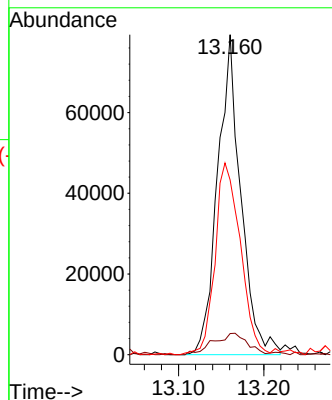
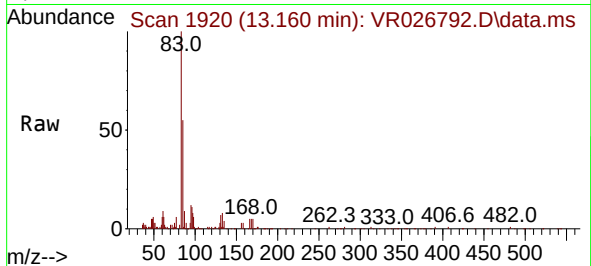




#75
1,1,2,2-Tetrachloroethane
Concen: 18.462 ug/l
RT: 13.160 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

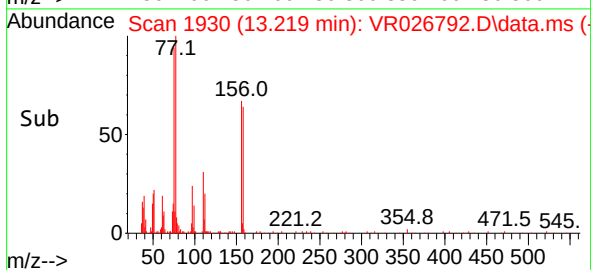
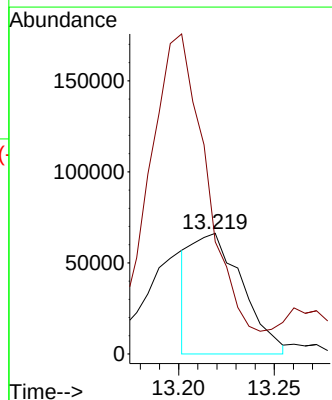
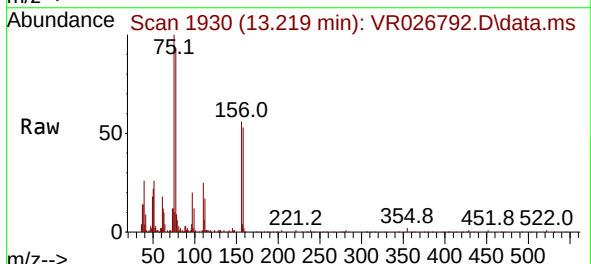
Instrument :
MSVOA_R
ClientSampleId :
VSTDICC020

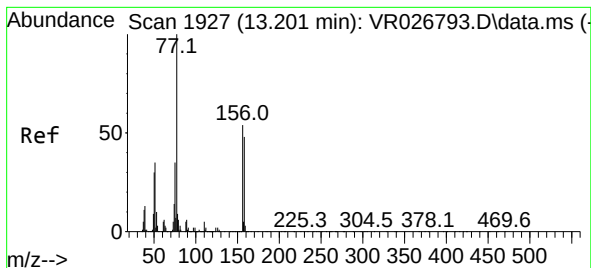
Tgt Ion: 83 Resp: 149672
Ion Ratio Lower Upper
83 100
131 9.9 4.5 13.5
85 65.4 31.1 93.2



#76
1,2,3-Trichloropropane
Concen: 17.278 ug/l m
RT: 13.219 min Scan# 1930
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 123308
Ion Ratio Lower Upper
75 100
77 312.3 132.3 397.0





#77

Bromobenzene

Concen: 19.199 ug/l

RT: 13.202 min Scan# 1927

Delta R.T. 0.001 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC020

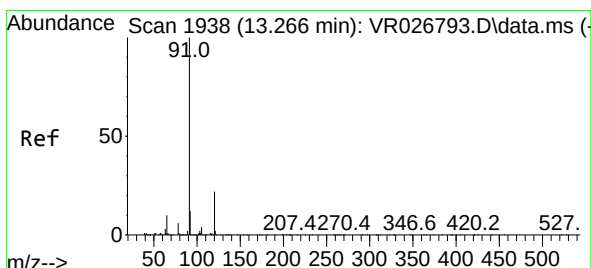
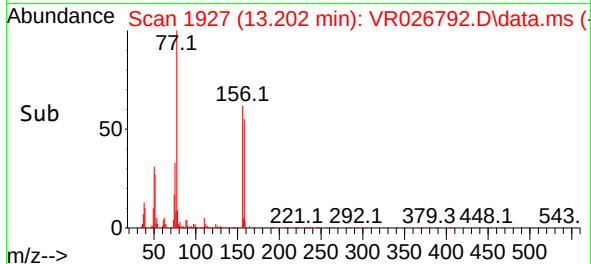
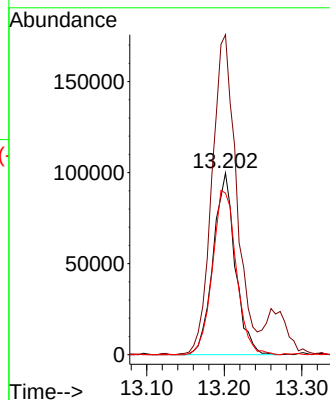
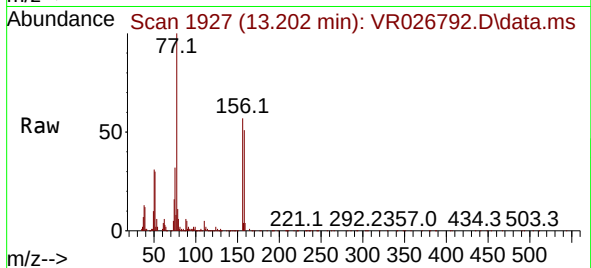
Tgt Ion:156 Resp: 197050

Ion Ratio Lower Upper

156 100

77 195.4 102.8 308.5

158 98.1 47.4 142.2



#78

n-propylbenzene

Concen: 19.076 ug/l

RT: 13.266 min Scan# 1938

Delta R.T. 0.000 min

Lab File: VR026792.D

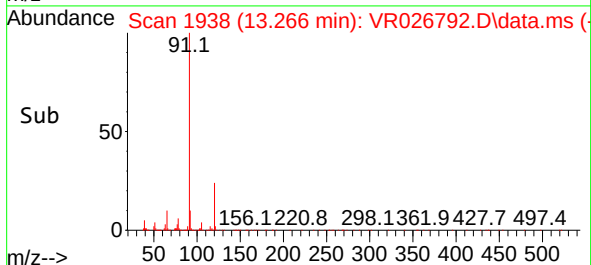
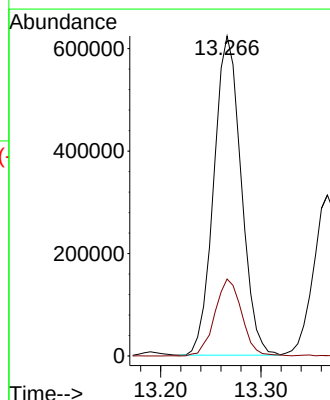
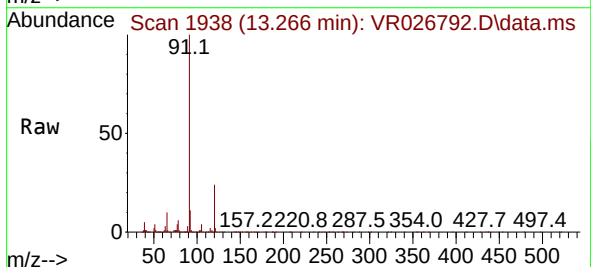
Acq: 4 Dec 2025 13:05

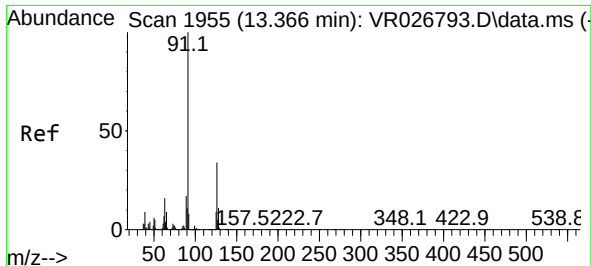
Tgt Ion: 91 Resp: 1178924

Ion Ratio Lower Upper

91 100

120 23.7 11.1 33.1

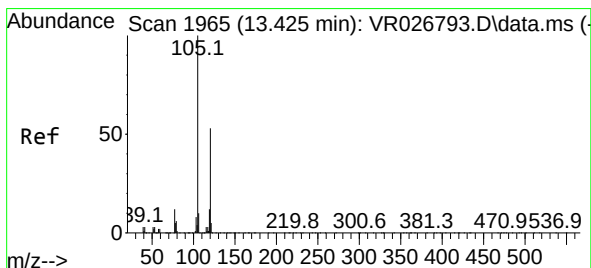
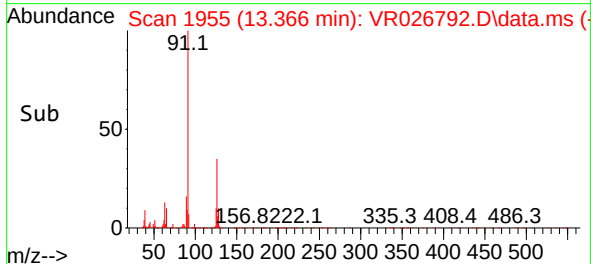
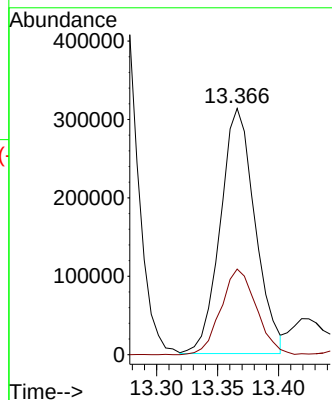
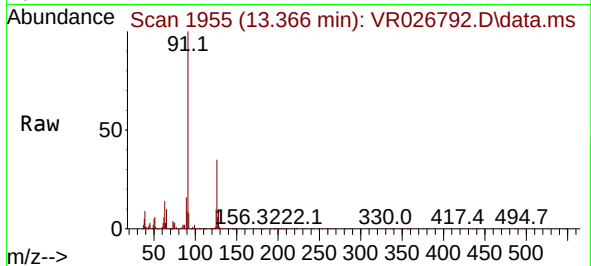




#79
2-Chlorotoluene
Concen: 18.587 ug/l
RT: 13.366 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

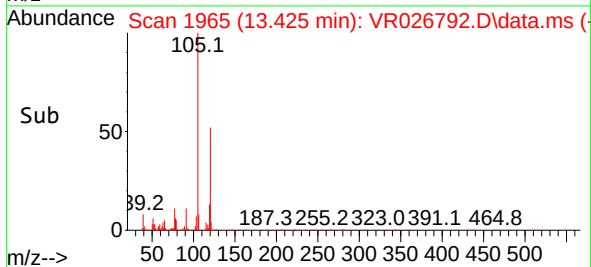
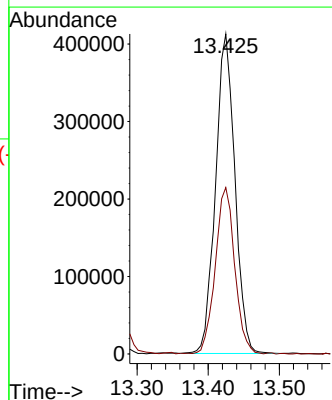
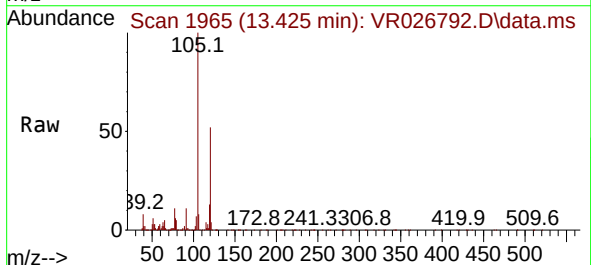
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

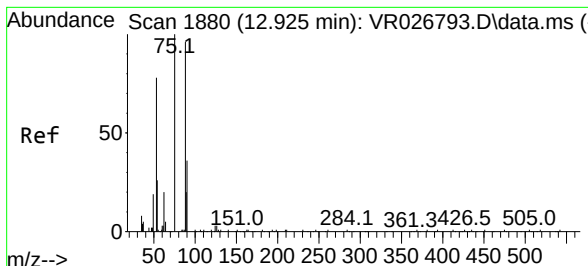
Tgt Ion: 91 Resp: 621461
Ion Ratio Lower Upper
91 100
126 35.7 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 18.579 ug/l
RT: 13.425 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 105 Resp: 778812
Ion Ratio Lower Upper
105 100
120 52.1 25.2 75.6

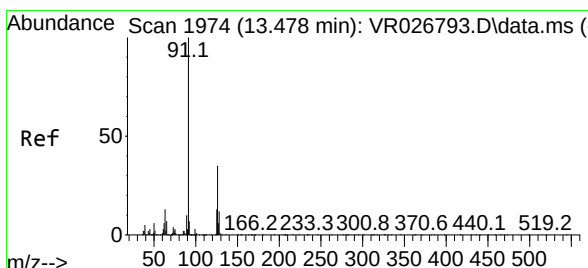
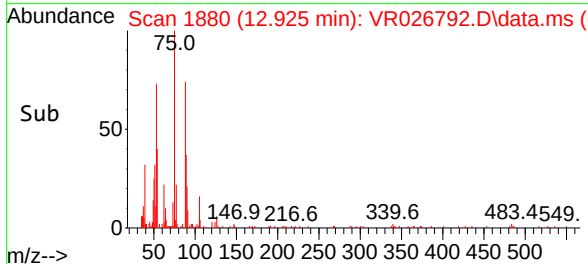
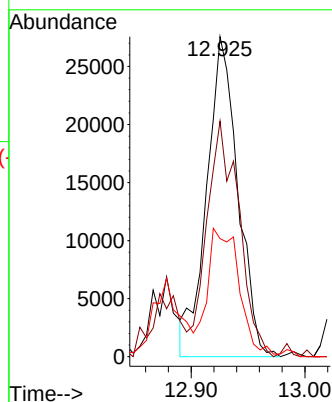
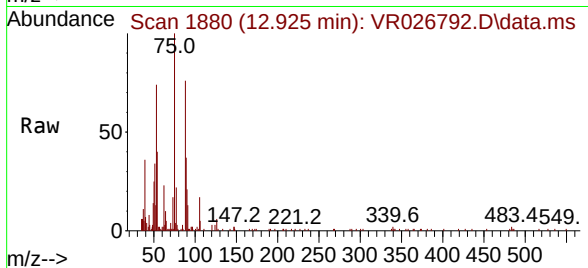




#81
trans-1,4-Dichloro-2-butene
Concen: 18.762 ug/l
RT: 12.925 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

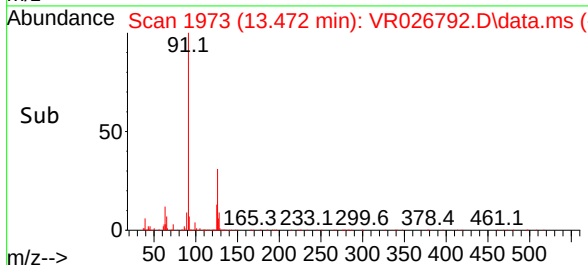
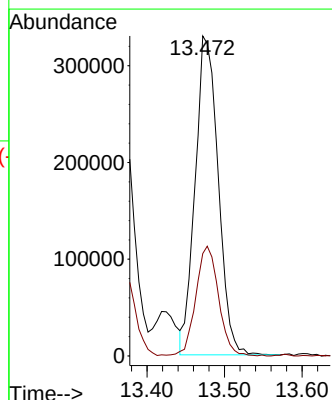
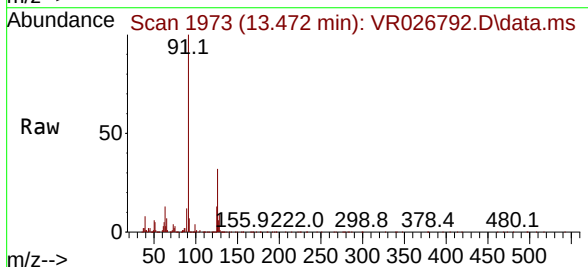
Instrument : MSVOA_R
ClientSampleId : VSTDICC020

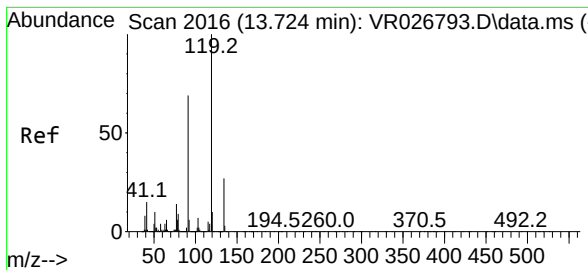
Tgt Ion: 75 Resp: 52461
Ion Ratio Lower Upper
75 100
53 75.8 74.3 111.5
89 40.9 35.9 53.9



#82
4-Chlorotoluene
Concen: 18.706 ug/l
RT: 13.472 min Scan# 1973
Delta R.T. -0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 91 Resp: 679547
Ion Ratio Lower Upper
91 100
126 34.2 16.7 50.0

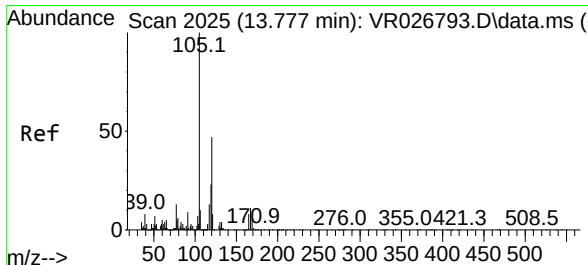
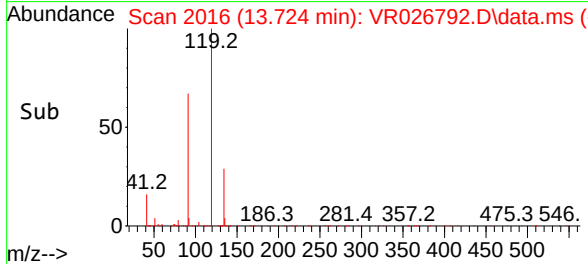
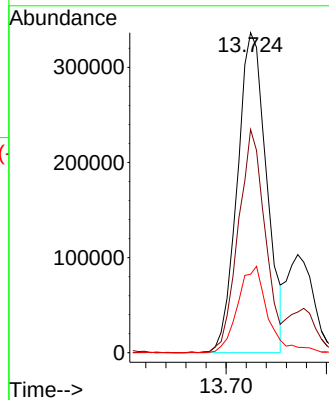
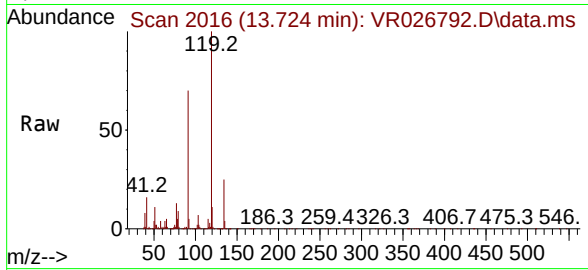




#83
 tert-Butylbenzene
 Concen: 18.063 ug/l
 RT: 13.724 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

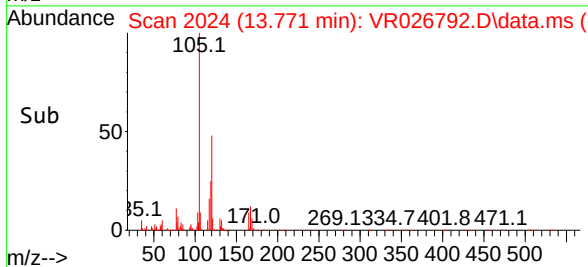
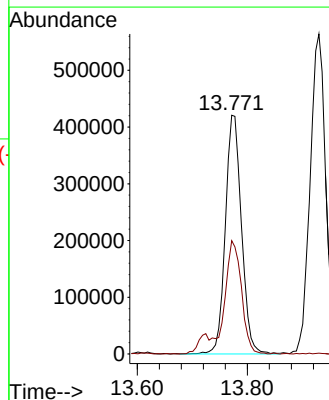
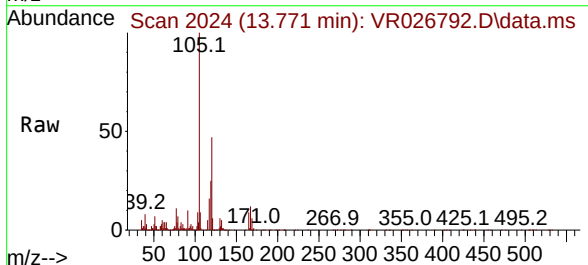
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

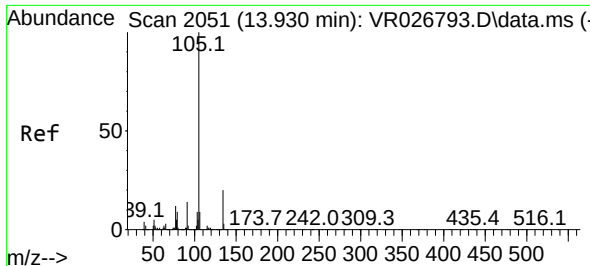
Tgt Ion:119 Resp: 682409
 Ion Ratio Lower Upper
 119 100
 91 65.9 32.8 98.3
 134 27.8 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.056 ug/l
 RT: 13.771 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

Tgt Ion:105 Resp: 857431
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.7 71.1

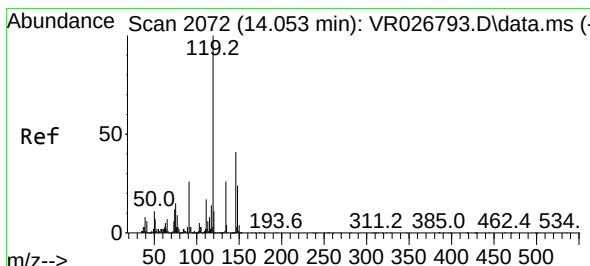
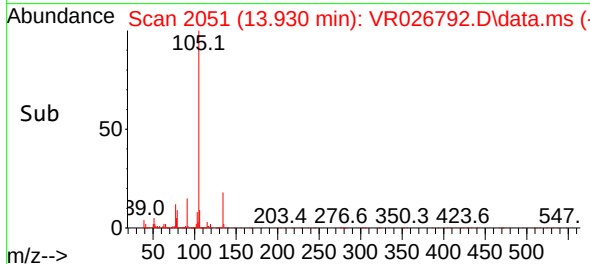
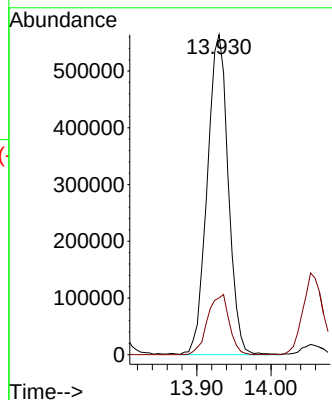
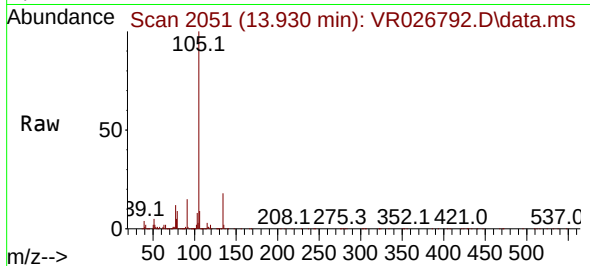




#85
 sec-Butylbenzene
 Concen: 18.673 ug/l
 RT: 13.930 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

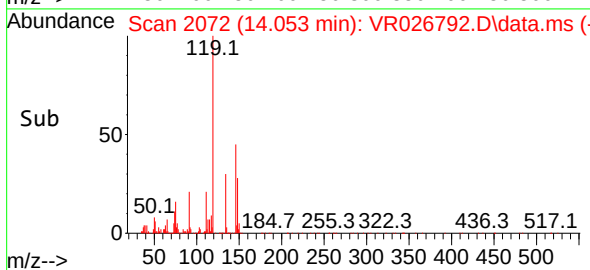
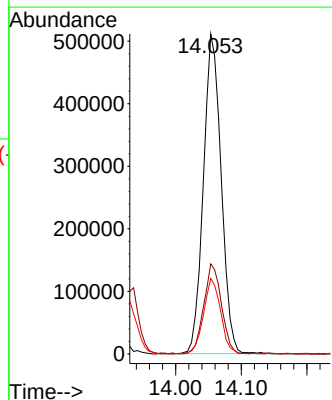
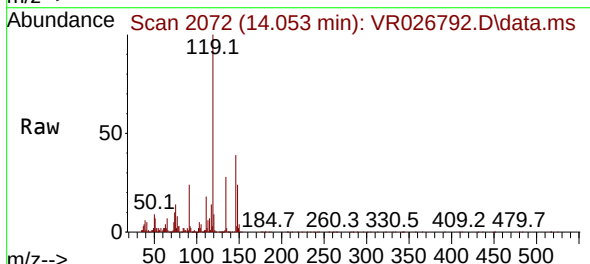
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

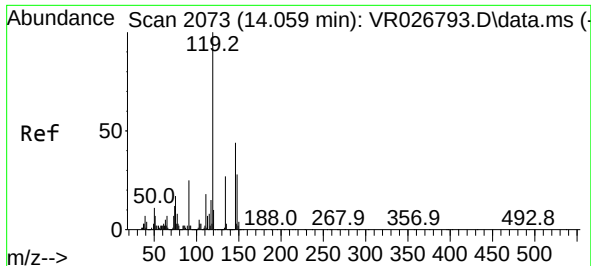
Tgt Ion:105 Resp: 1112074
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 18.405 ug/l
 RT: 14.053 min Scan# 2072
 Delta R.T. 0.000 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

Tgt Ion:119 Resp: 965409
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.3 39.9
 91 22.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 19.486 ug/l

RT: 14.059 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC020

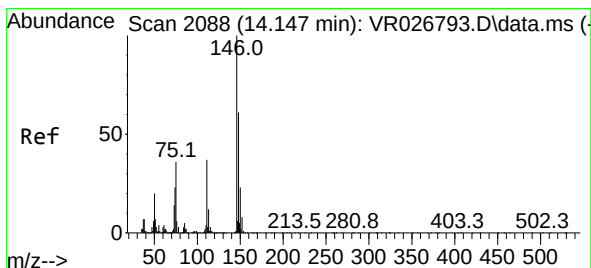
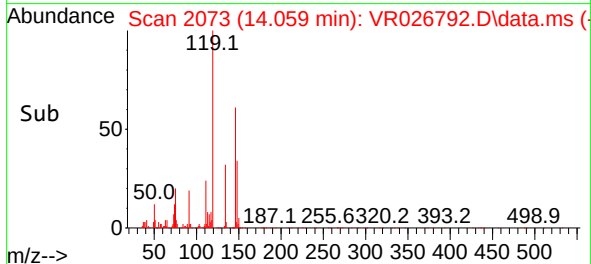
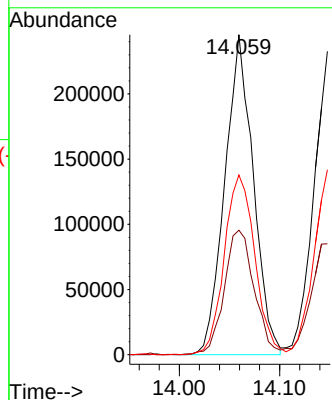
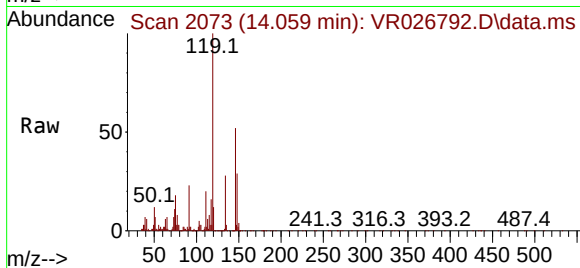
Tgt Ion:146 Resp: 483922

Ion Ratio Lower Upper

146 100

111 40.9 20.8 62.2

148 60.3 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 18.722 ug/l

RT: 14.147 min Scan# 2088

Delta R.T. 0.000 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

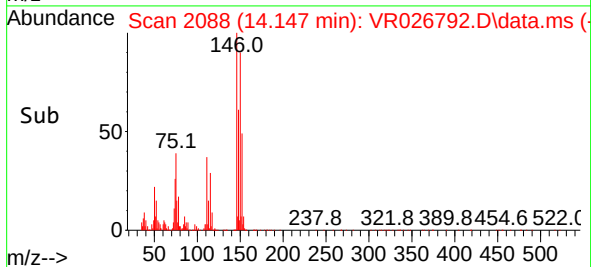
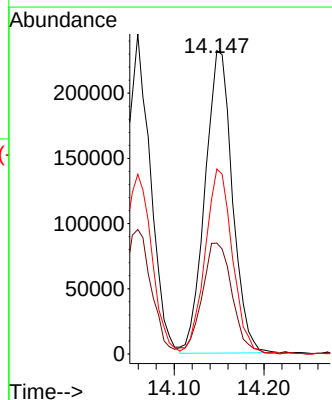
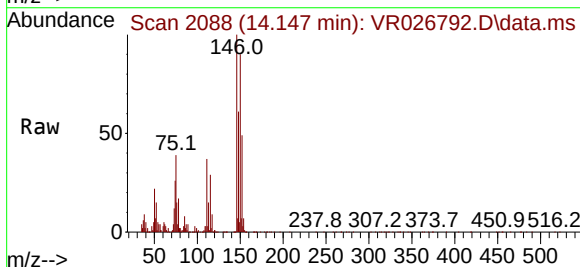
Tgt Ion:146 Resp: 490815

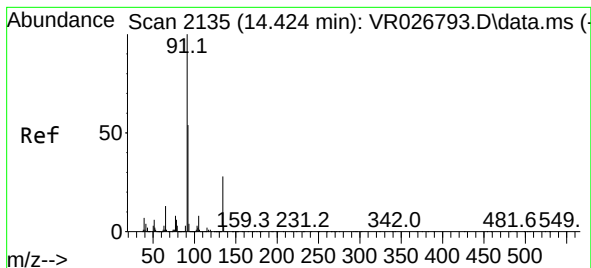
Ion Ratio Lower Upper

146 100

111 40.5 19.6 58.8

148 60.8 31.3 93.9





#89

n-Butylbenzene

Concen: 18.610 ug/l

RT: 14.430 min Scan# 2136

Delta R.T. 0.006 min

Lab File: VR026792.D

Acq: 4 Dec 2025 13:05

Instrument :

MSVOA_R

ClientSampleId :

VSTDIC020

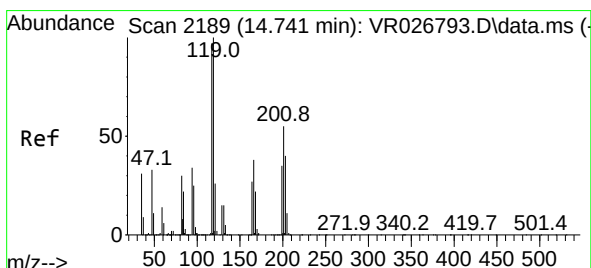
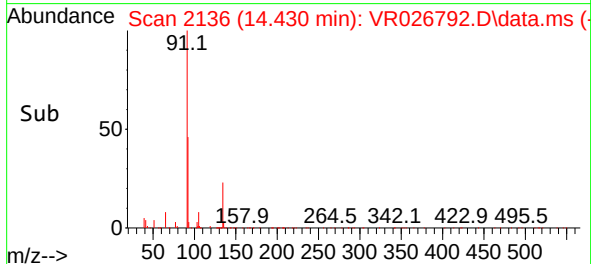
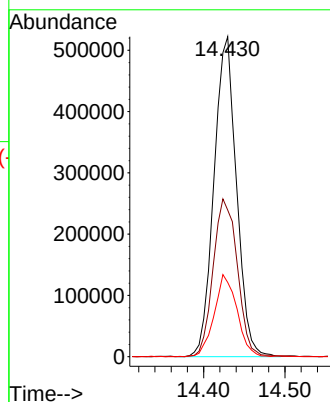
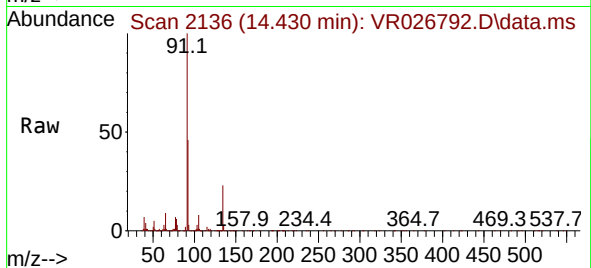
Tgt Ion: 91 Resp: 1006175

Ion Ratio Lower Upper

91 100

92 53.1 26.7 80.1

134 26.0 12.9 38.7



#90

Hexachloroethane

Concen: 18.012 ug/l

RT: 14.741 min Scan# 2189

Delta R.T. -0.000 min

Lab File: VR026792.D

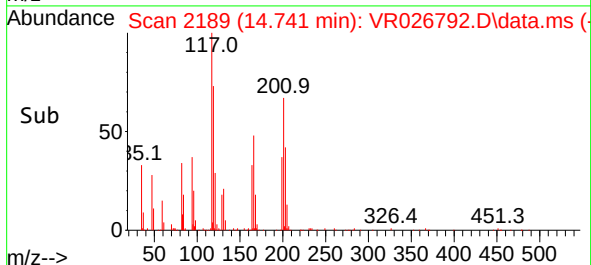
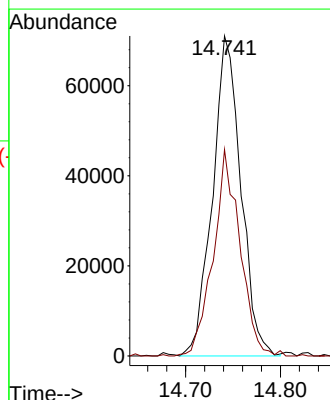
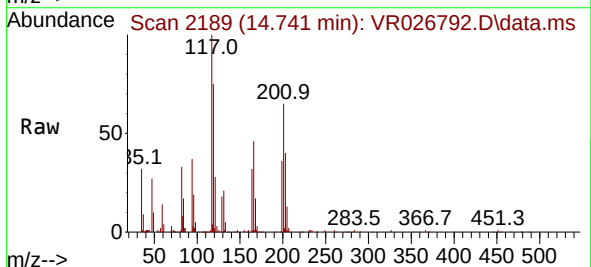
Acq: 4 Dec 2025 13:05

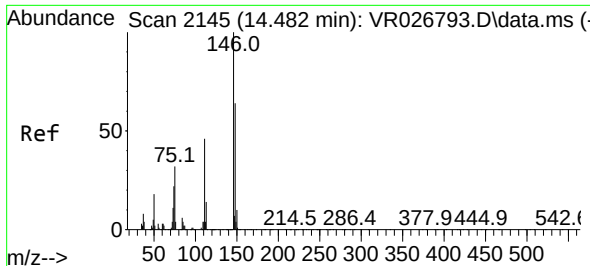
Tgt Ion: 117 Resp: 147626

Ion Ratio Lower Upper

117 100

201 60.8 32.6 98.0

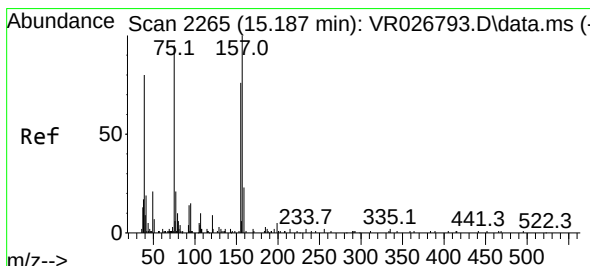
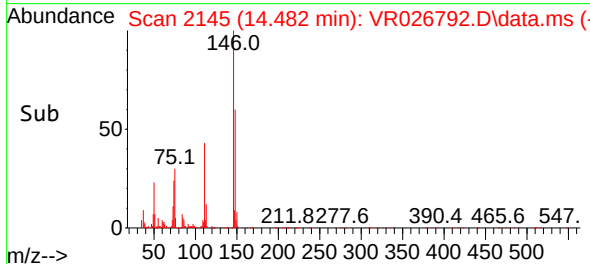
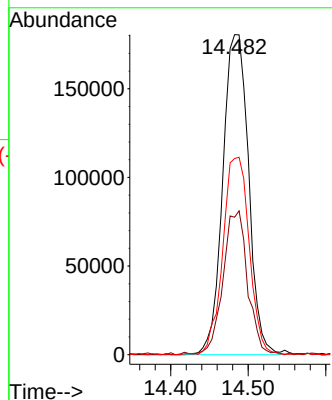
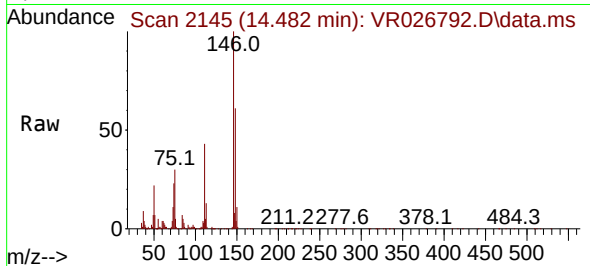




#91
1,2-Dichlorobenzene
Concen: 18.311 ug/l
RT: 14.482 min Scan# 2145
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

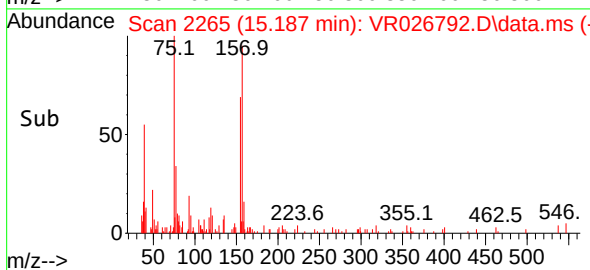
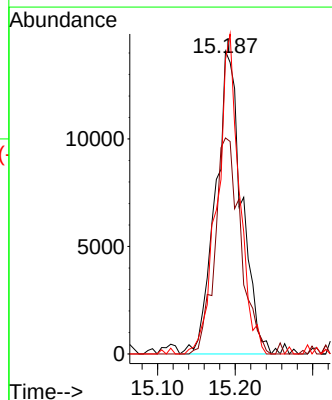
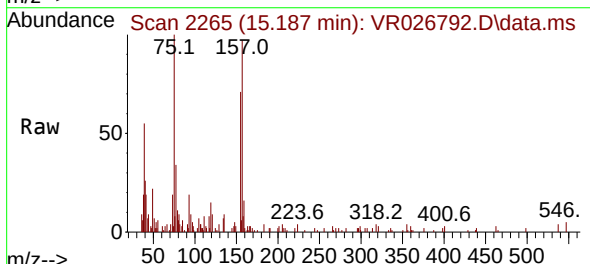
Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

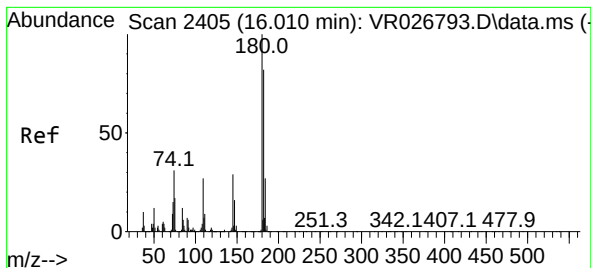
Tgt Ion:146 Resp: 417483
Ion Ratio Lower Upper
146 100
111 42.8 20.5 61.6
148 63.3 31.5 94.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.187 ug/l
RT: 15.187 min Scan# 2265
Delta R.T. 0.000 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion: 75 Resp: 33207
Ion Ratio Lower Upper
75 100
155 70.4 46.7 140.0
157 88.7 64.0 192.2

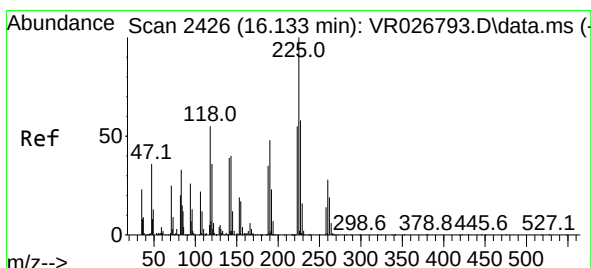
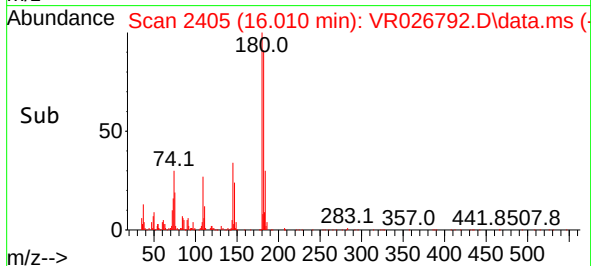
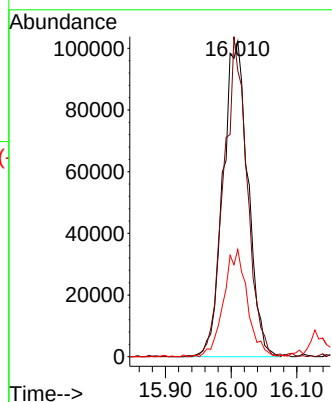
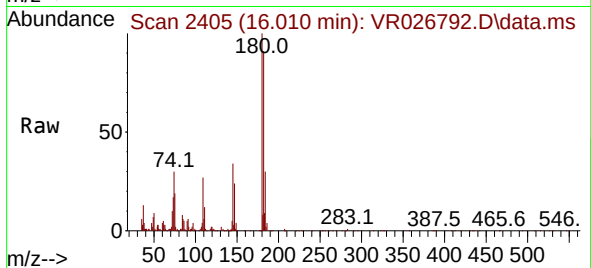




#93
 1,2,4-Trichlorobenzene
 Concen: 18.402 ug/l
 RT: 16.010 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

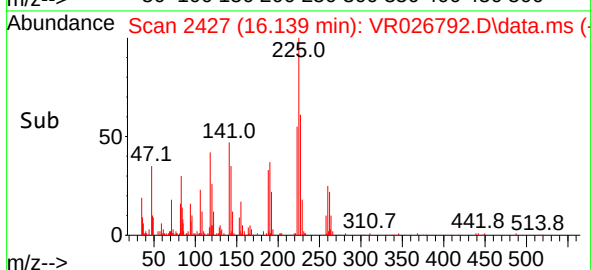
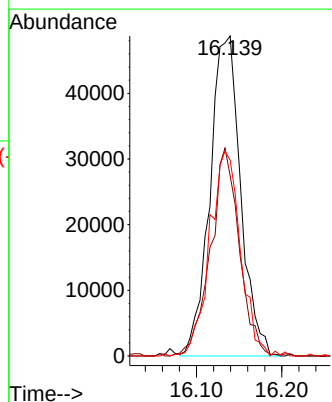
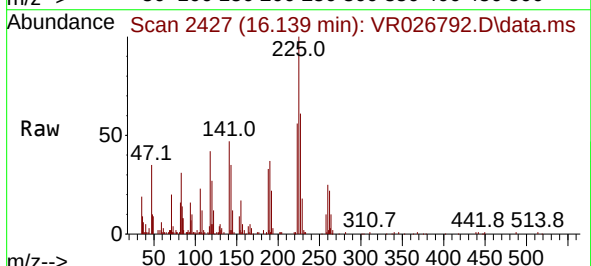
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDIC020

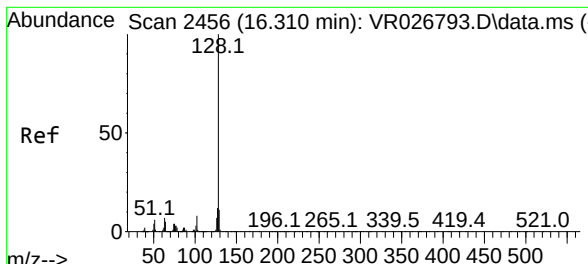
Tgt Ion:180 Resp: 269335
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.4 139.2
 145 31.4 16.1 48.2



#94
 Hexachlorobutadiene
 Concen: 18.048 ug/l
 RT: 16.139 min Scan# 2427
 Delta R.T. 0.006 min
 Lab File: VR026792.D
 Acq: 4 Dec 2025 13:05

Tgt Ion:225 Resp: 121946
 Ion Ratio Lower Upper
 225 100
 223 60.7 30.3 91.0
 227 64.2 32.3 96.9

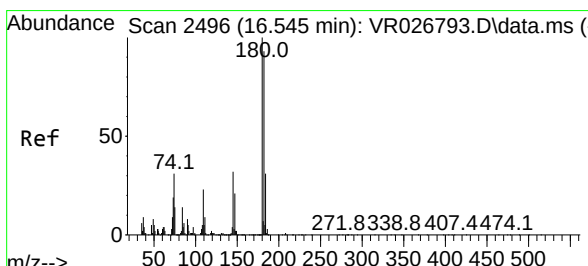
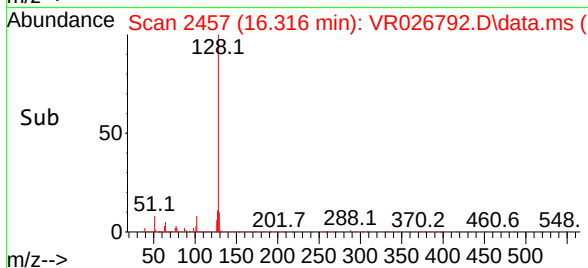
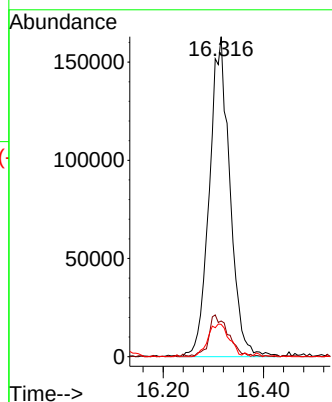
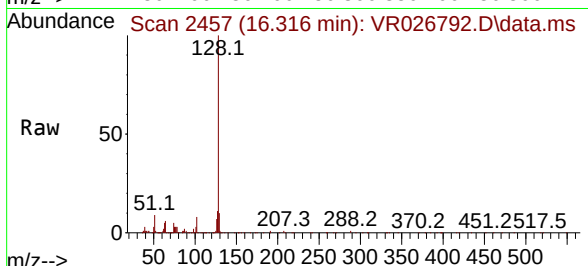




#95
Naphthalene
Concen: 17.366 ug/l
RT: 16.316 min Scan# 2456
Delta R.T. 0.006 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Instrument :
MSVOA_R
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 462699
Ion Ratio Lower Upper
128 100
127 12.1 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.608 ug/l
RT: 16.556 min Scan# 2498
Delta R.T. 0.011 min
Lab File: VR026792.D
Acq: 4 Dec 2025 13:05

Tgt Ion:180 Resp: 231516
Ion Ratio Lower Upper
180 100
182 92.5 48.2 144.6
145 30.7 16.4 49.2

