

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016693.D
 Acq On : 19 Dec 2023 12:26
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 20 05:29:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	176672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	254268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	220374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	105626	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	168413	115.247	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 230.500%#	
35) Dibromofluoromethane	7.734	113	177320	118.407	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 236.820%#	
50) Toluene-d8	10.191	98	653438	120.483	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 240.960%#	
62) 4-Bromofluorobenzene	12.495	95	183894	119.251	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 238.500%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	140130	118.353	ug/l	99
3) Chloromethane	2.119	50	255029	122.880	ug/l	98
4) Vinyl Chloride	2.259	62	359425	105.337	ug/l	100
5) Bromomethane	2.655	94	330125	111.507	ug/l	98
6) Chloroethane	2.802	64	278272	108.955	ug/l	97
7) Trichlorofluoromethane	3.131	101	315987	105.656	ug/l	99
8) Diethyl Ether	3.533	74	89796	112.166	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.911	101	172994	106.616	ug/l	97
10) Methyl Iodide	4.100	142	209880	113.901	ug/l	97
11) Tert butyl alcohol	4.972	59	60519	726.403	ug/l	100
12) 1,1-Dichloroethene	3.881	96	160335	108.949	ug/l	98
13) Acrolein	3.741	56	47133	640.551	ug/l	100
14) Allyl chloride	4.497	41	210192	114.387	ug/l	88
15) Acrylonitrile	5.173	53	192156	599.533	ug/l	98
16) Acetone	3.954	43	177383	676.501	ug/l	93
17) Carbon Disulfide	4.210	76	441978	112.219	ug/l	99
18) Methyl Acetate	4.490	43	158957	125.539	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	436405	122.757	ug/l	96
20) Methylene Chloride	4.734	84	180477	120.516	ug/l	98
21) trans-1,2-Dichloroethene	5.234	96	188058	112.990	ug/l	99
22) Diisopropyl ether	6.130	45	493589	117.357	ug/l	96
23) Vinyl Acetate	6.076	43	1247006	606.339	ug/l	100
24) 1,1-Dichloroethane	6.033	63	320274	110.577	ug/l	99
25) 2-Butanone	6.996	43	250739	669.081	ug/l	95
26) 2,2-Dichloropropane	6.996	77	296495	112.719	ug/l	96
27) cis-1,2-Dichloroethene	7.002	96	217636	115.691	ug/l	95
28) Bromochloromethane	7.350	49	120755	114.812	ug/l	91
29) Tetrahydrofuran	7.362	42	149511	631.943	ug/l	99
30) Chloroform	7.520	83	342743	110.296	ug/l	98
31) Cyclohexane	7.801	56	252186	105.436	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	306504	111.081	ug/l	97
36) 1,1-Dichloropropene	7.935	75	260339	114.926	ug/l	98
37) Ethyl Acetate	7.088	43	103360	119.133	ug/l	94
38) Carbon Tetrachloride	7.917	117	276018	112.928	ug/l	95
39) Methylcyclohexane	9.197	83	313370	120.153	ug/l	99
40) Benzene	8.173	78	745975	114.618	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.362	41	146584	318.120	ug/l #	26
42) 1,2-Dichloroethane	8.252	62	210399	114.243	ug/l	96
43) Isopropyl Acetate	8.282	43	209653	125.814	ug/l	96
44) Trichloroethene	8.953	130	205483	114.726	ug/l	98
45) 1,2-Dichloropropane	9.227	63	180947	116.318	ug/l	97
46) Dibromomethane	9.319	93	104802	119.302	ug/l	98
47) Bromodichloromethane	9.508	83	261940	114.202	ug/l	99
48) Methyl methacrylate	9.307	41	120791	133.601	ug/l #	88
49) 1,4-Dioxane	9.313	88	22378	2766.794	ug/l #	88
51) 4-Methyl-2-Pentanone	10.081	43	567770	663.836	ug/l	96
52) Toluene	10.258	92	479445	120.398	ug/l	98
53) t-1,3-Dichloropropene	10.477	75	253734	123.548	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	294779	121.135	ug/l	94
55) 1,1,2-Trichloroethane	10.660	97	142601	117.514	ug/l	98
56) Ethyl methacrylate	10.526	69	132226	133.904	ug/l #	90
57) 1,3-Dichloropropane	10.806	76	239569	119.645	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.794	63	402069	563.271	ug/l	96
59) 2-Hexanone	10.843	43	393957	632.219	ug/l	96
60) Dibromochloromethane	10.995	129	178544	121.182	ug/l	100
61) 1,2-Dibromoethane	11.105	107	131016	119.879	ug/l	99
64) Tetrachloroethene	10.733	164	176634	116.199	ug/l	98
65) Chlorobenzene	11.532	112	502373	115.112	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.605	131	202026	119.490	ug/l	99
67) Ethyl Benzene	11.605	91	953452	122.290	ug/l	98
68) m/p-Xylenes	11.715	106	732782	247.948	ug/l	99
69) o-Xylene	12.044	106	337656	125.066	ug/l	100
70) Styrene	12.056	104	495887	127.205	ug/l	99
71) Bromoform	12.221	173	106038	121.089	ug/l #	99
73) Isopropylbenzene	12.343	105	880677	120.586	ug/l	100
74) N-amyl acetate	12.160	43	172856	130.803	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.599	83	161134	118.574	ug/l	99
76) 1,2,3-Trichloropropane	12.648	75	197070	214.635	ug/l #	100
77) Bromobenzene	12.623	156	209987	119.247	ug/l	97
78) n-propylbenzene	12.684	91	1030937	119.069	ug/l	99
79) 2-Chlorotoluene	12.769	91	546084	117.745	ug/l	98
80) 1,3,5-Trimethylbenzene	12.824	105	696902	121.772	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.392	75	50225	125.507	ug/l	90
82) 4-Chlorotoluene	12.867	91	560064	116.783	ug/l	98
83) tert-Butylbenzene	13.086	119	615599	119.541	ug/l	99
84) 1,2,4-Trimethylbenzene	13.135	105	713320	124.346	ug/l	99
85) sec-Butylbenzene	13.269	105	889562	119.783	ug/l	99
86) p-Isopropyltoluene	13.385	119	815310	125.573	ug/l	99
87) 1,3-Dichlorobenzene	13.379	146	423768	121.610	ug/l	98
88) 1,4-Dichlorobenzene	13.458	146	383125	114.764	ug/l	99
89) n-Butylbenzene	13.708	91	712554	120.054	ug/l	99
90) Hexachloroethane	13.977	117	148702	114.919	ug/l	100
91) 1,2-Dichlorobenzene	13.751	146	335895	117.330	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	21292	119.499	ug/l	92
93) 1,2,4-Trichlorobenzene	15.019	180	208029	121.565	ug/l	98
94) Hexachlorobutadiene	15.129	225	121255	112.110	ug/l	100
95) Naphthalene	15.251	128	362393	132.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.440	180	173647	119.972	ug/l	98

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ClientSampleId :
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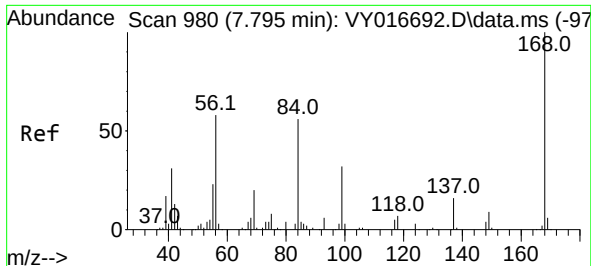
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QLast Update : Wed Dec 20 05:26:40 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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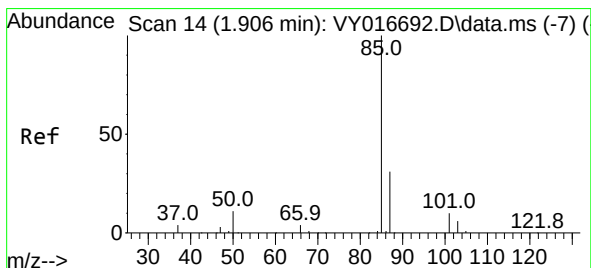
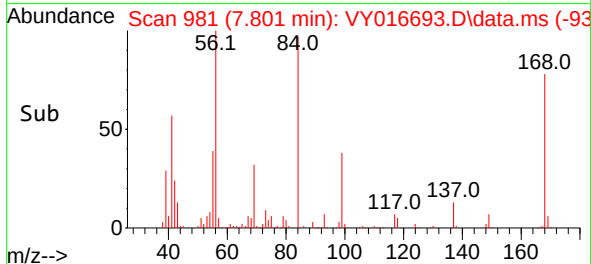
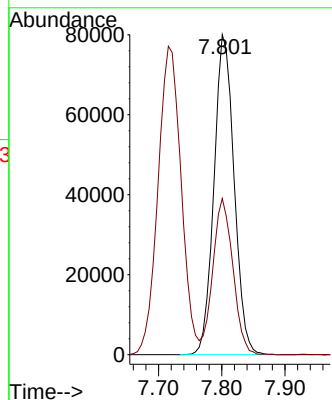
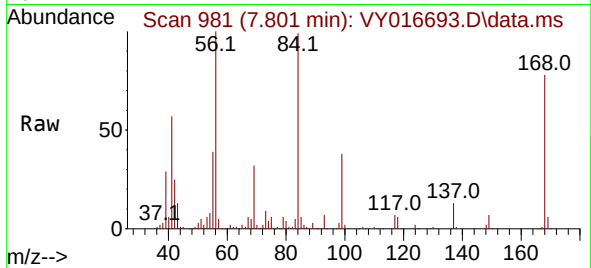




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016693.D
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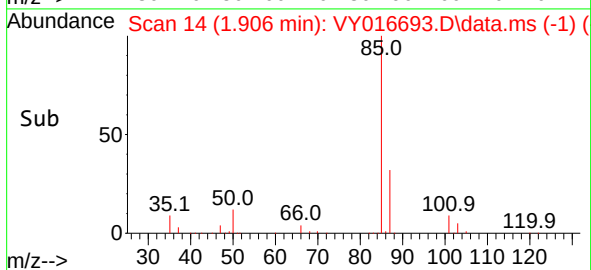
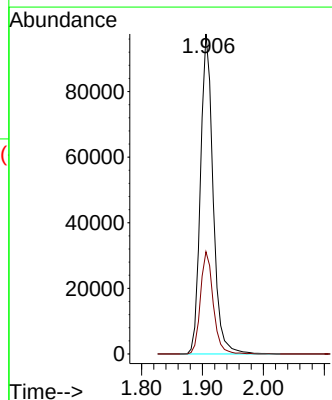
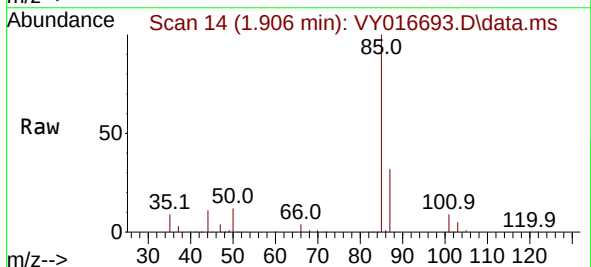
Instrument :
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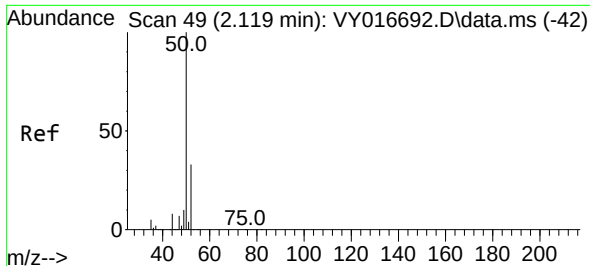
Tgt Ion:168 Resp: 176672
Ion Ratio Lower Upper
168 100
99 48.8 40.2 60.4



#2
Dichlorodifluoromethane
Concen: 118.353 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 85 Resp: 140130
Ion Ratio Lower Upper
85 100
87 32.0 15.6 46.8

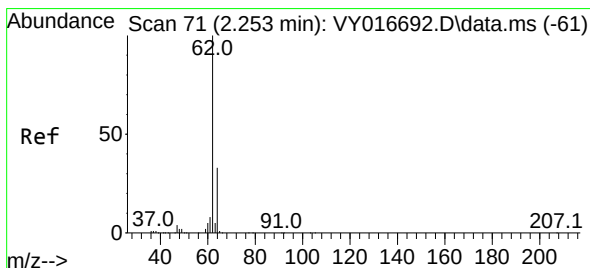
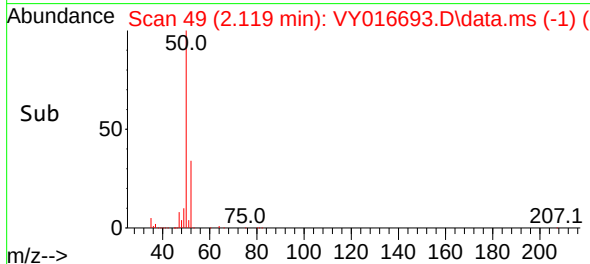
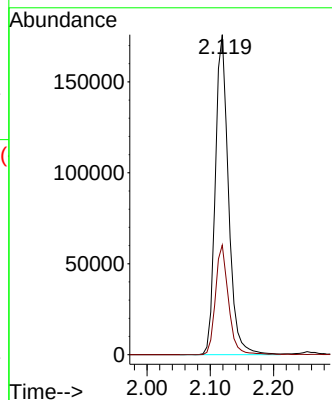
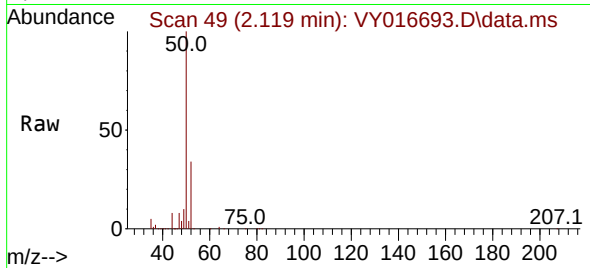




#3
Chloromethane
Concen: 122.880 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

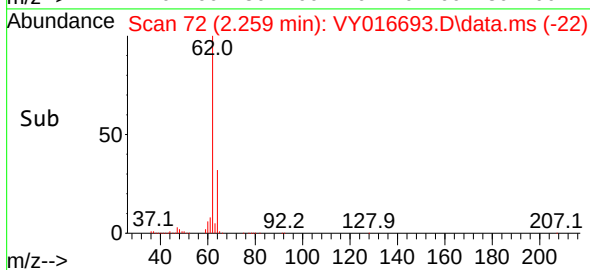
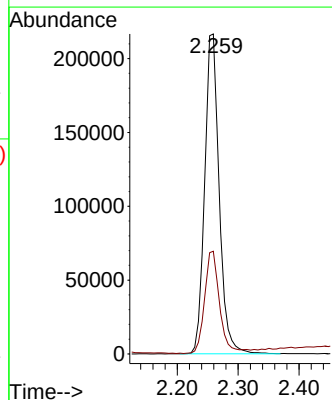
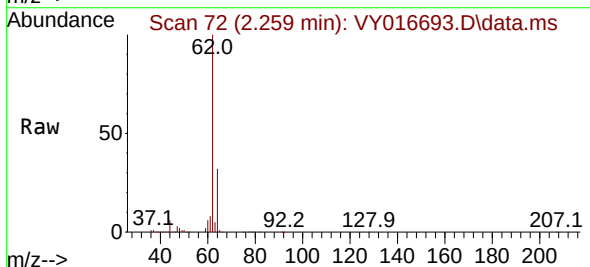
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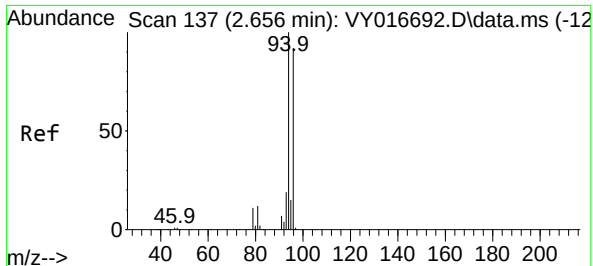
Tgt Ion: 50 Resp: 255029
Ion Ratio Lower Upper
50 100
52 34.3 26.6 40.0



#4
Vinyl Chloride
Concen: 105.337 ug/l
RT: 2.259 min Scan# 72
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 62 Resp: 359425
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.2

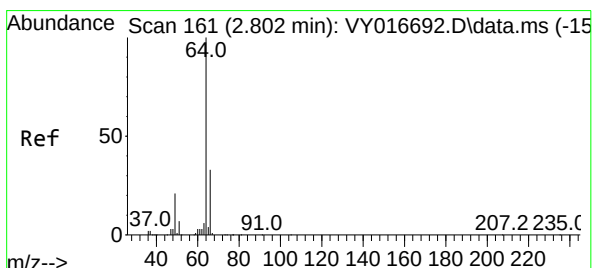
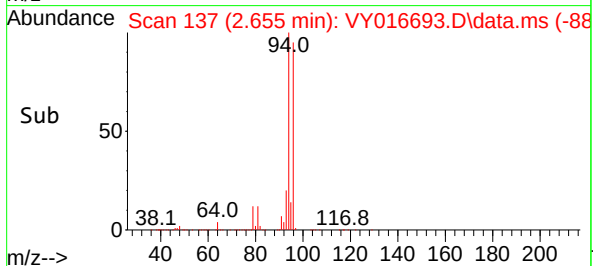
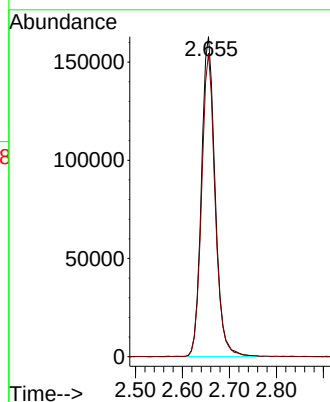
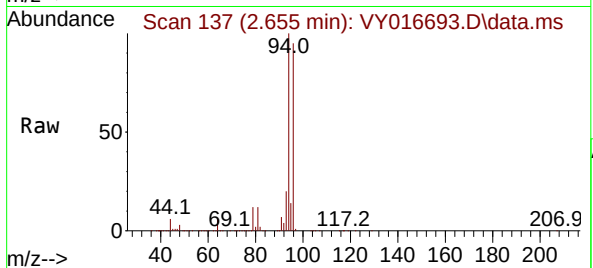




#5
Bromomethane
Concen: 111.507 ug/l
RT: 2.655 min Scan# 111
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

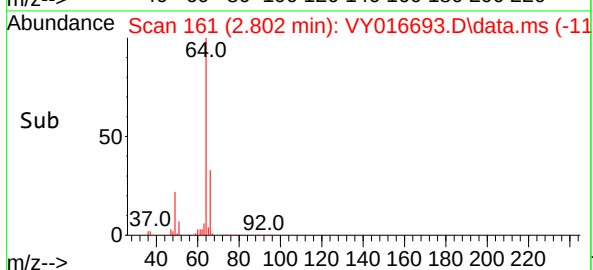
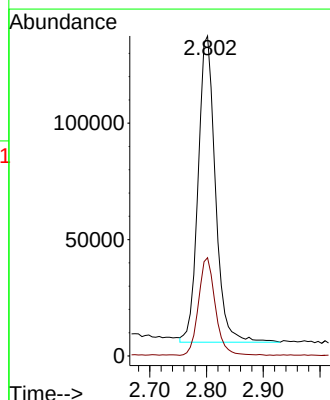
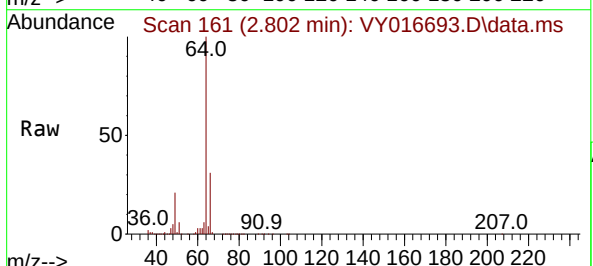
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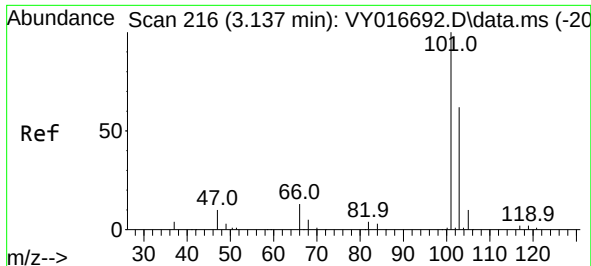
Tgt Ion: 94 Resp: 330125
Ion Ratio Lower Upper
94 100
96 94.8 74.0 111.0



#6
Chloroethane
Concen: 108.955 ug/l
RT: 2.802 min Scan# 161
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 64 Resp: 278272
Ion Ratio Lower Upper
64 100
66 31.9 24.0 36.0

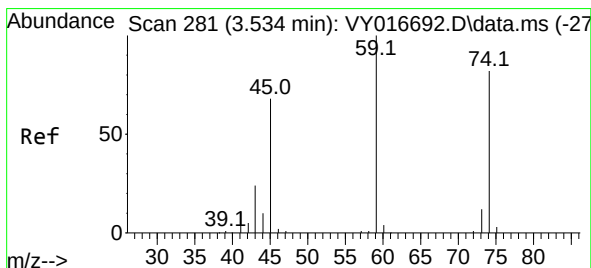
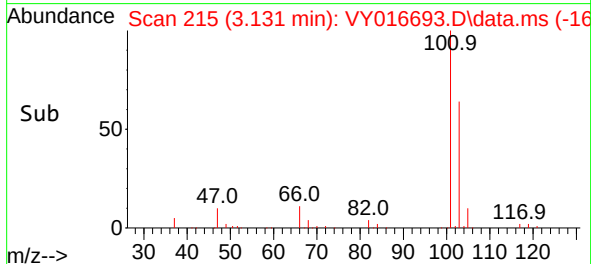
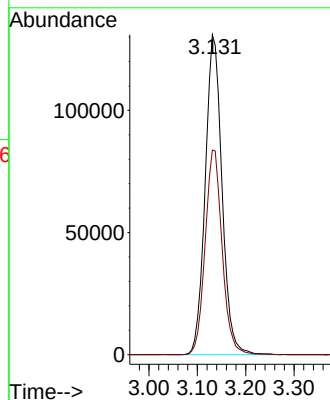
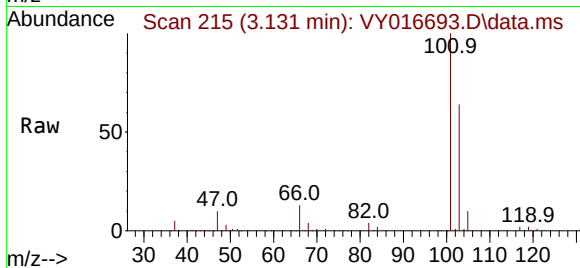




#7
 Trichlorofluoromethane
 Concen: 105.656 ug/l
 RT: 3.131 min Scan# 216
 Delta R.T. -0.006 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

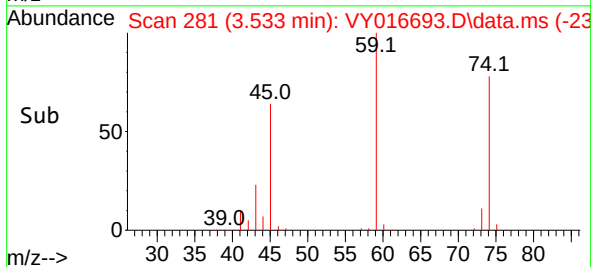
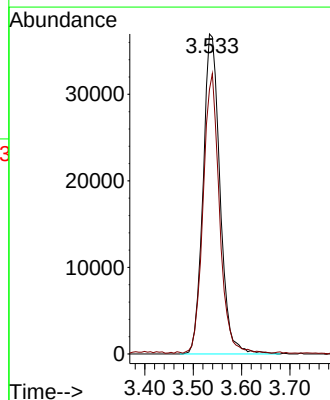
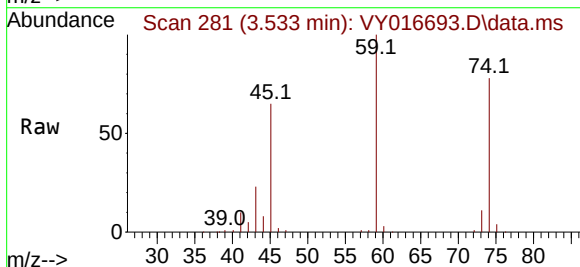
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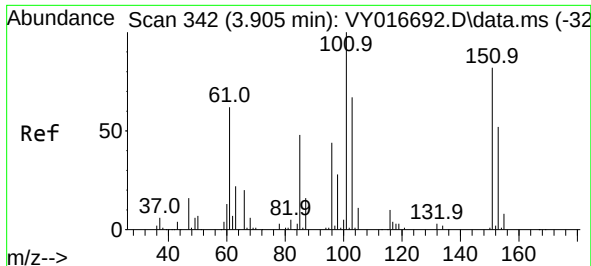
Tgt Ion:101 Resp: 315987
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.7 77.5



#8
 Diethyl Ether
 Concen: 112.166 ug/l
 RT: 3.533 min Scan# 281
 Delta R.T. -0.000 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

Tgt Ion: 74 Resp: 89796
 Ion Ratio Lower Upper
 74 100
 45 84.4 44.3 132.9

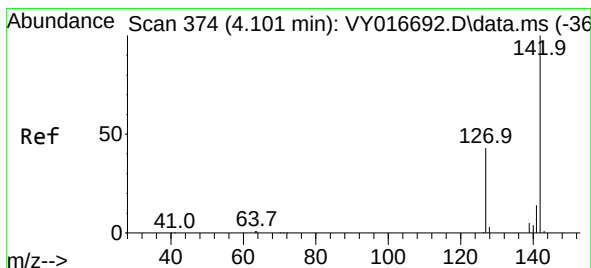
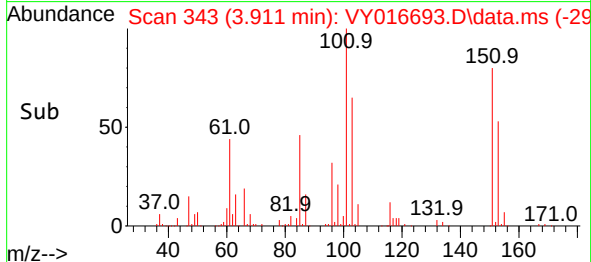
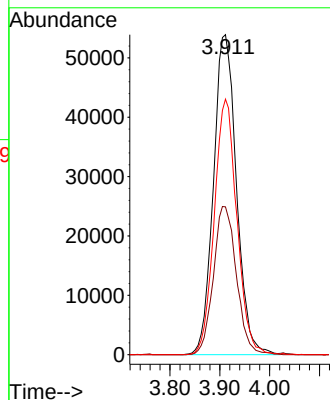
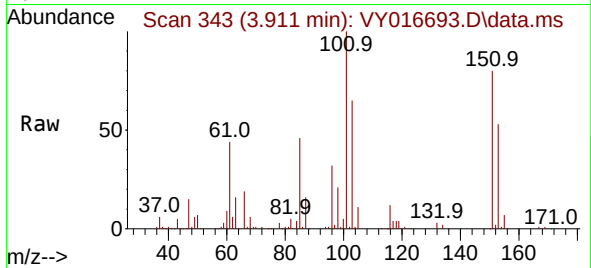




#9
1,1,2-Trichlorotrifluoroethane
Concen: 106.616 ug/l
RT: 3.911 min Scan# 343
Delta R.T. 0.006 min
Lab File: VY016693.D
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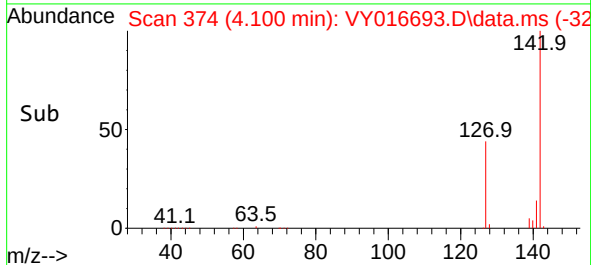
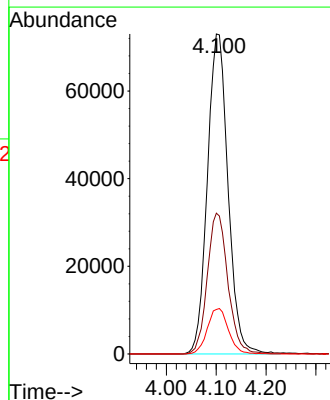
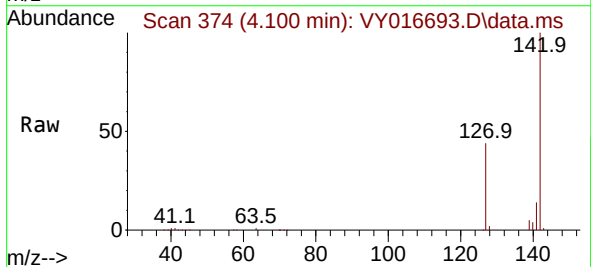
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

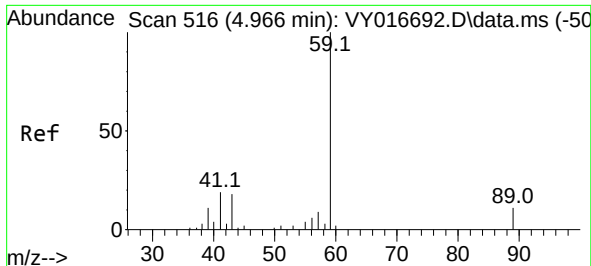
Tgt Ion:101 Resp: 172994
Ion Ratio Lower Upper
101 100
85 46.3 35.0 52.4
151 78.3 61.0 91.4



#10
Methyl Iodide
Concen: 113.901 ug/l
RT: 4.100 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion:142 Resp: 209880
Ion Ratio Lower Upper
142 100
127 44.0 33.6 50.4
141 14.5 12.0 18.0





#11

Tert butyl alcohol

Concen: 726.403 ug/l

RT: 4.972 min Scan# 516

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

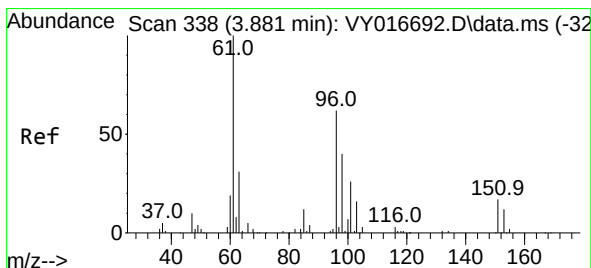
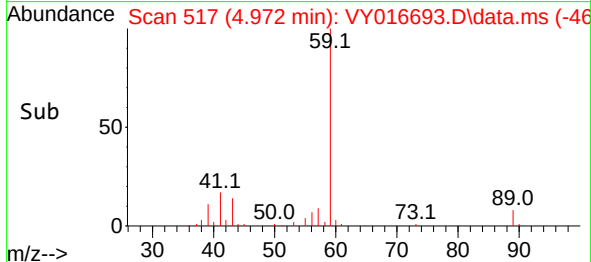
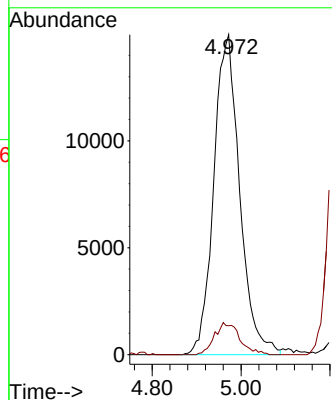
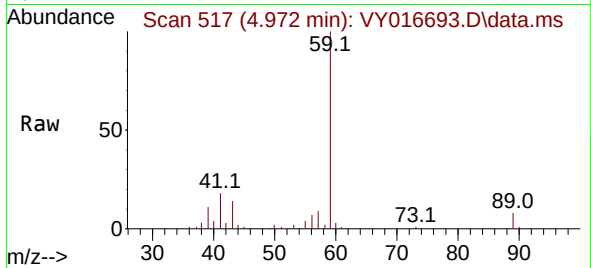
VSTDIC100

Tgt Ion: 59 Resp: 60519

Ion Ratio Lower Upper

59 100

57 9.8 7.9 11.9



#12

1,1-Dichloroethene

Concen: 108.949 ug/l

RT: 3.881 min Scan# 338

Delta R.T. -0.000 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

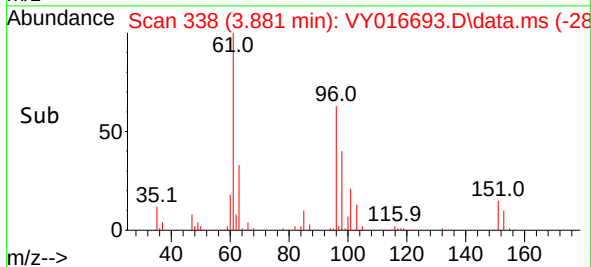
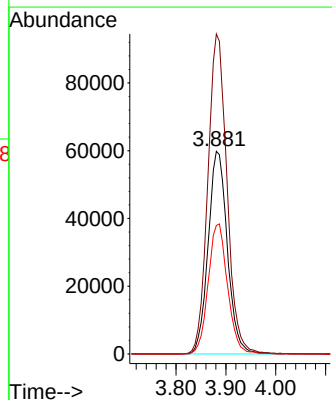
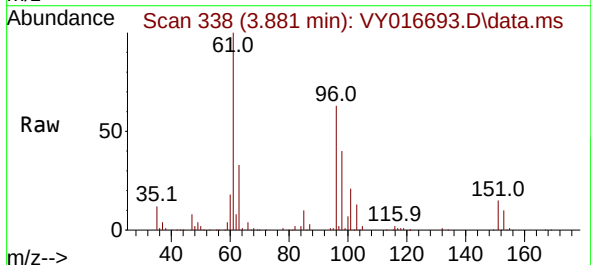
Tgt Ion: 96 Resp: 160335

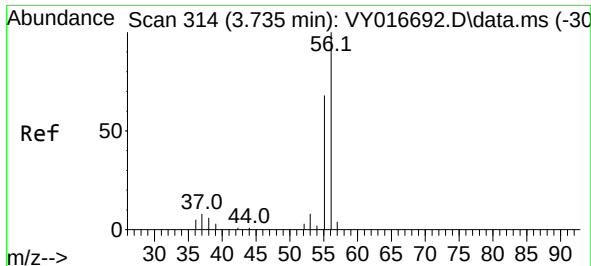
Ion Ratio Lower Upper

96 100

61 157.8 123.9 185.9

98 63.4 50.1 75.1





#13

Acrolein

Concen: 640.551 ug/l

RT: 3.741 min Scan# 314

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

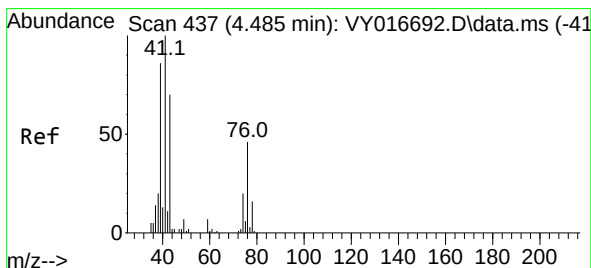
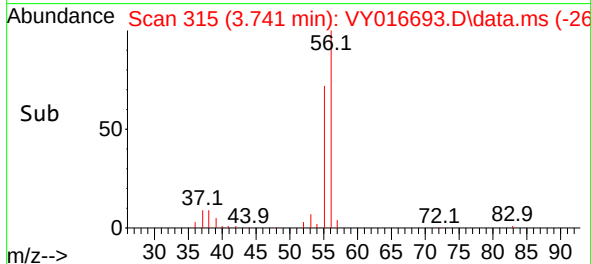
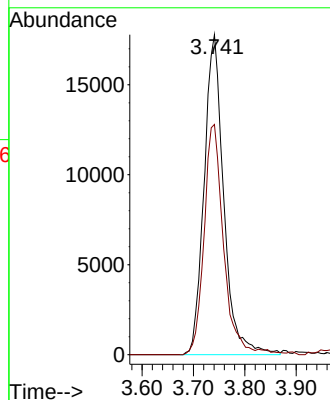
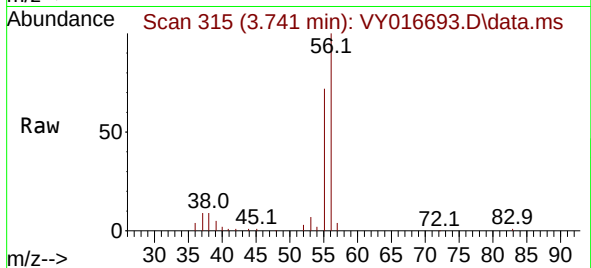
VSTDICC100

Tgt Ion: 56 Resp: 47133

Ion Ratio Lower Upper

56 100

55 70.4 56.5 84.7



#14

Allyl chloride

Concen: 114.387 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.012 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

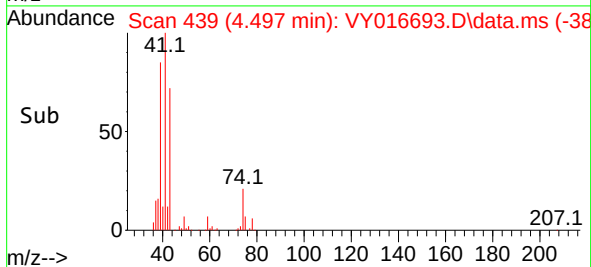
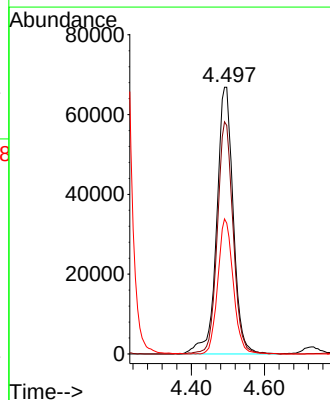
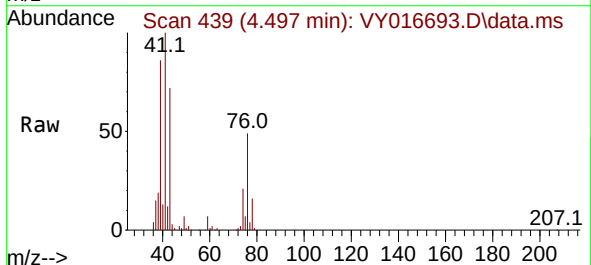
Tgt Ion: 41 Resp: 210192

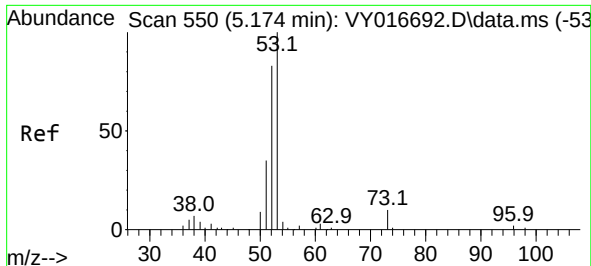
Ion Ratio Lower Upper

41 100

39 83.1 56.4 84.6

76 47.1 34.3 51.5

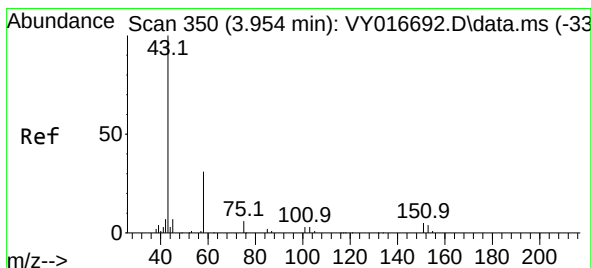
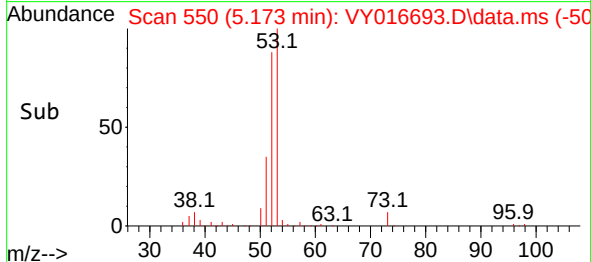
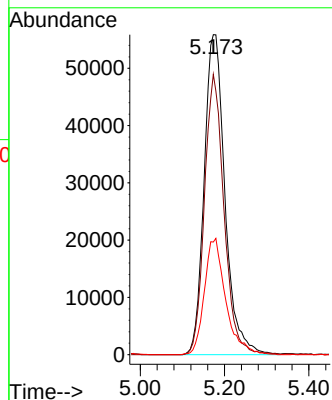
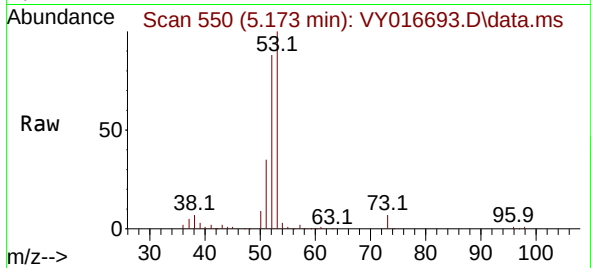




#15
Acrylonitrile
Concen: 599.533 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

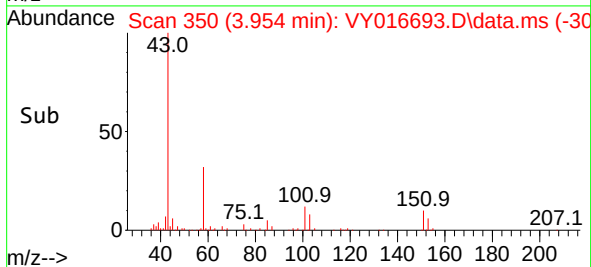
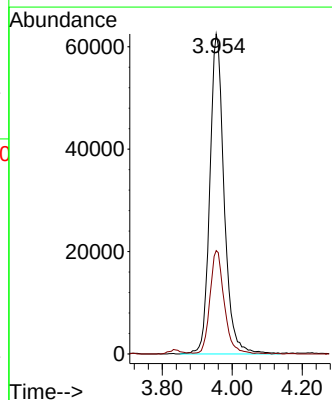
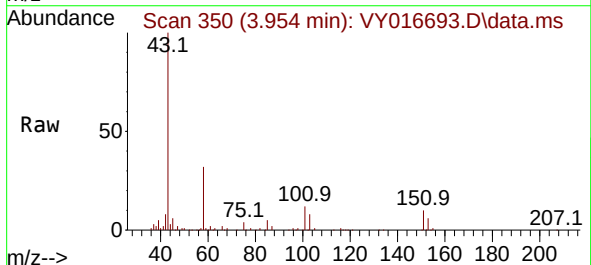
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

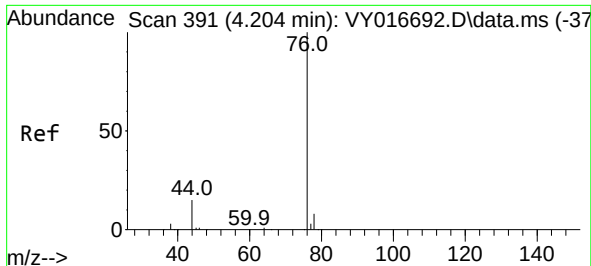
Tgt Ion: 53 Resp: 192156
Ion Ratio Lower Upper
53 100
52 82.3 64.3 96.5
51 37.3 28.3 42.5



#16
Acetone
Concen: 676.501 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 43 Resp: 177383
Ion Ratio Lower Upper
43 100
58 32.2 29.0 43.4

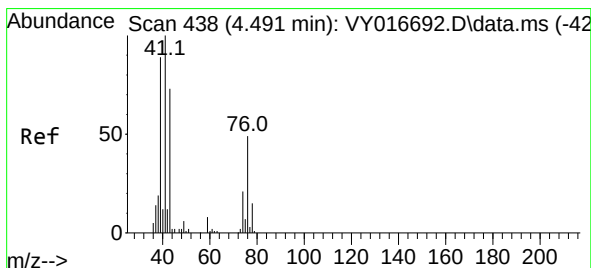
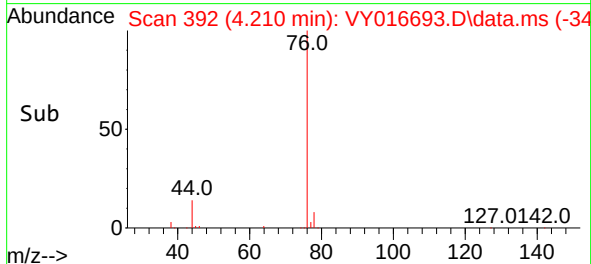
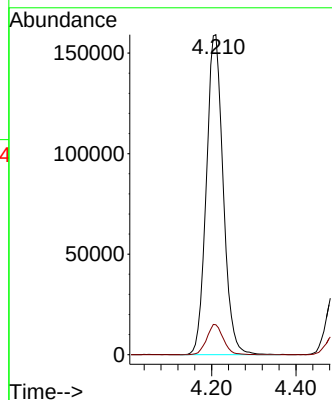
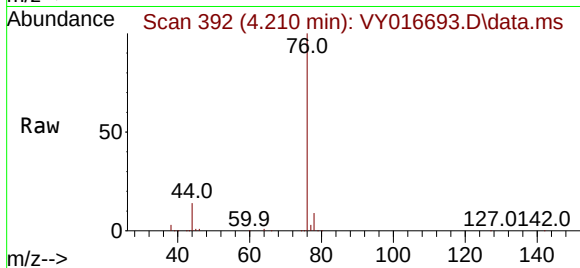




#17
Carbon Disulfide
Concen: 112.219 ug/l
RT: 4.210 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

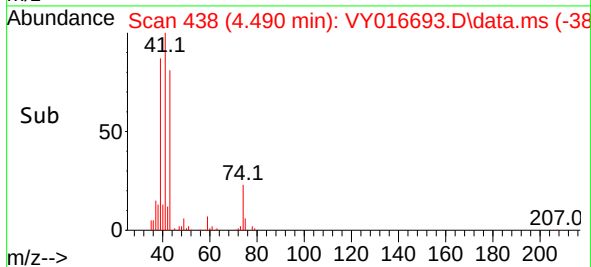
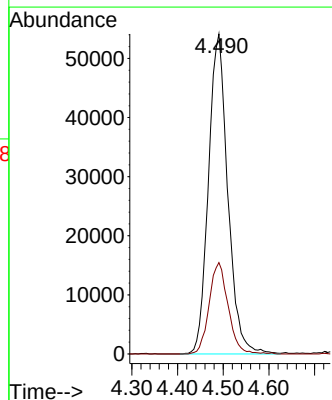
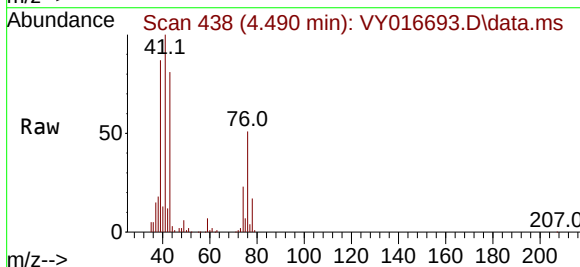
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

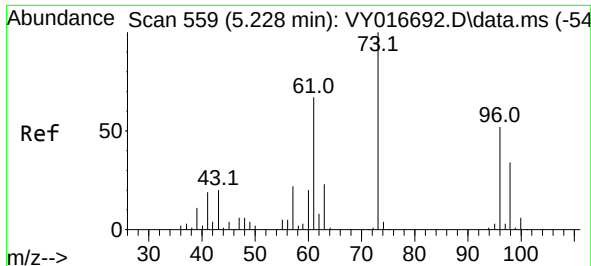
Tgt Ion: 76 Resp: 441978
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 125.539 ug/l
RT: 4.490 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 43 Resp: 158957
Ion Ratio Lower Upper
43 100
74 28.1 22.1 33.1

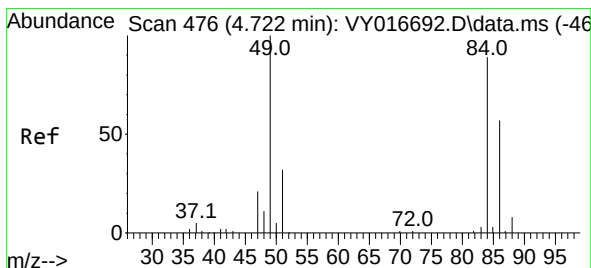
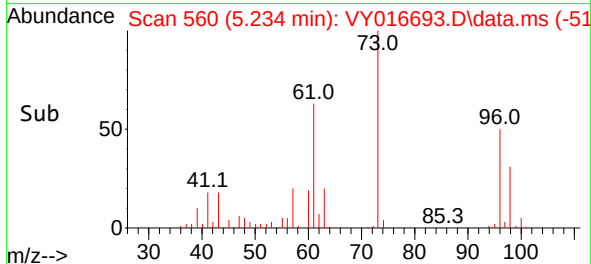
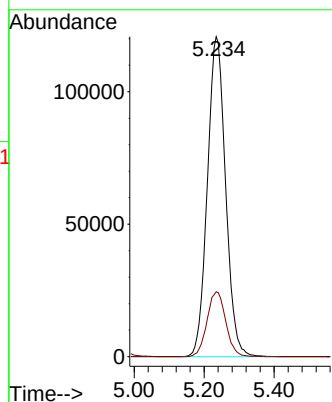
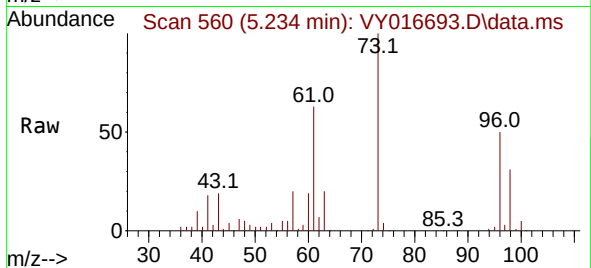




#19
Methyl tert-butyl Ether
Concen: 122.757 ug/l
RT: 5.234 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

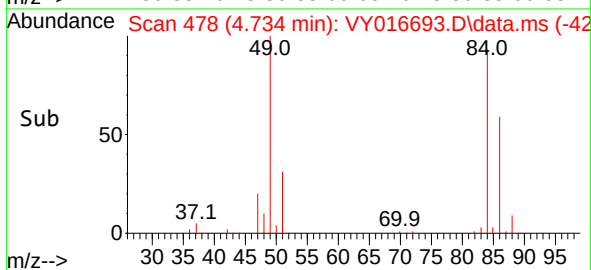
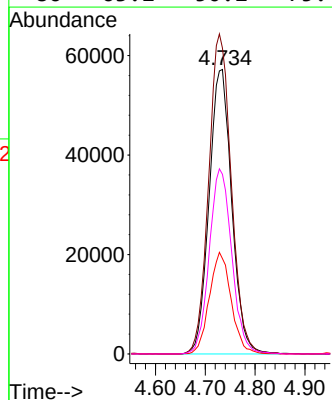
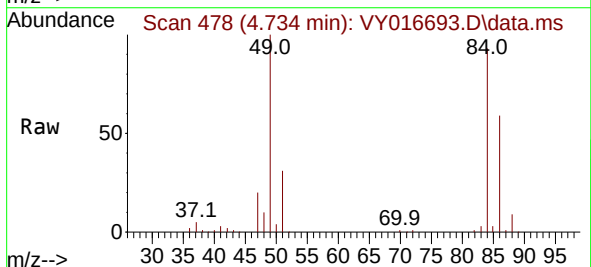
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

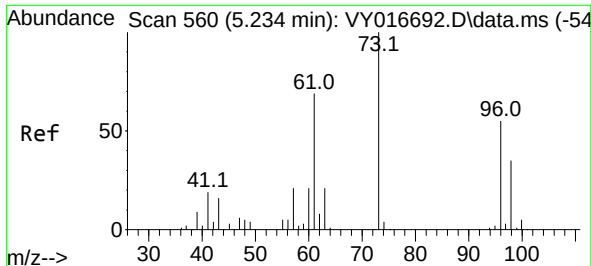
Tgt Ion: 73 Resp: 436405
Ion Ratio Lower Upper
73 100
57 20.3 17.9 26.9



#20
Methylene Chloride
Concen: 120.516 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 84 Resp: 180477
Ion Ratio Lower Upper
84 100
49 107.5 83.8 125.8
51 33.5 27.2 40.8
86 63.2 50.2 75.4

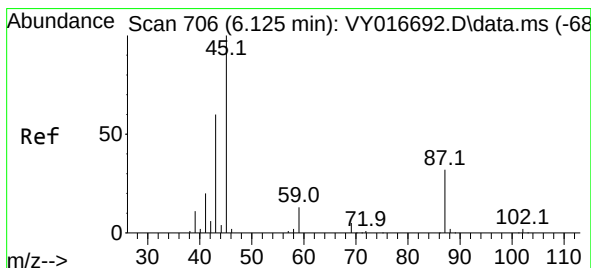
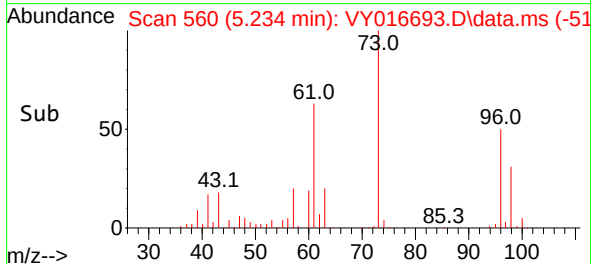
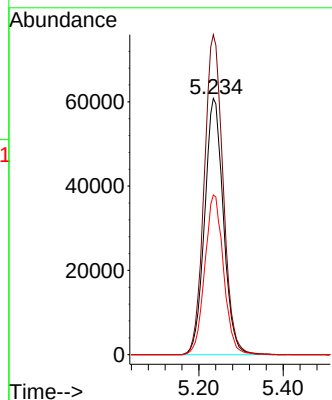
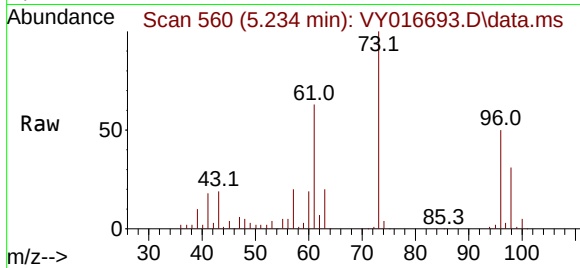




#21
trans-1,2-Dichloroethene
Concen: 112.990 ug/l
RT: 5.234 min Scan# 501
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

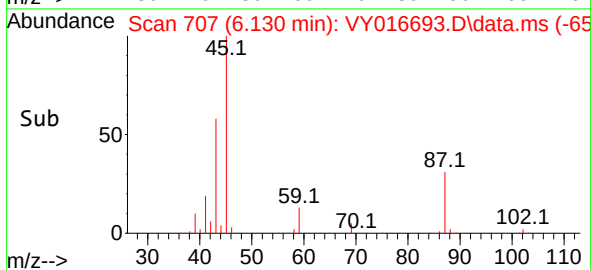
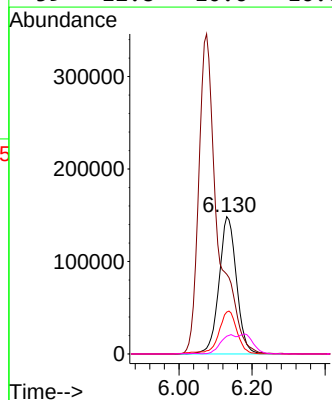
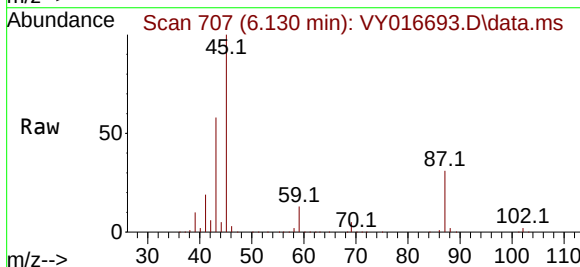
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

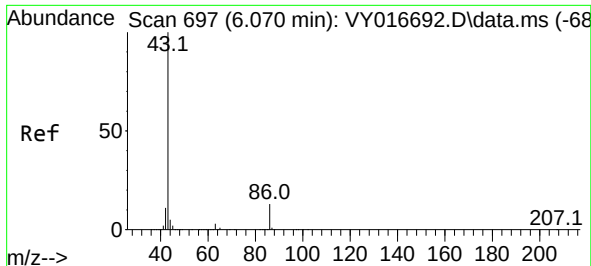
Tgt Ion: 96 Resp: 188058
Ion Ratio Lower Upper
96 100
61 124.8 100.0 150.0
98 62.3 52.2 78.2



#22
Diisopropyl ether
Concen: 117.357 ug/l
RT: 6.130 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 45 Resp: 493589
Ion Ratio Lower Upper
45 100
43 57.9 42.4 63.6
87 30.4 25.0 37.4
59 12.8 10.6 16.0

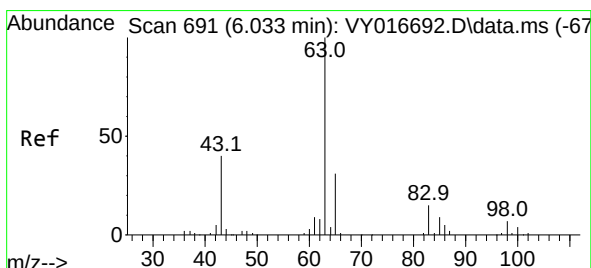
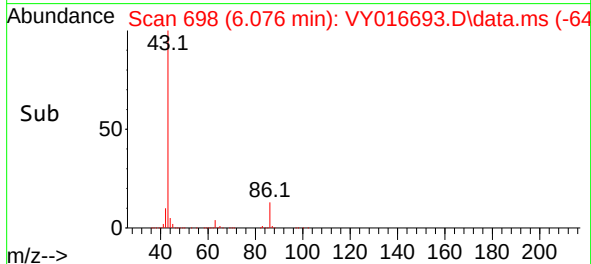
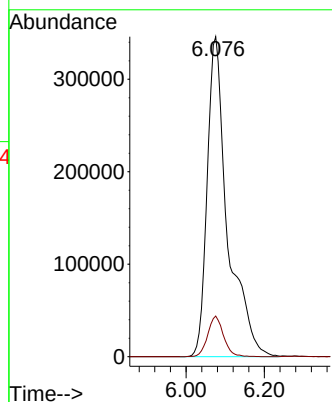
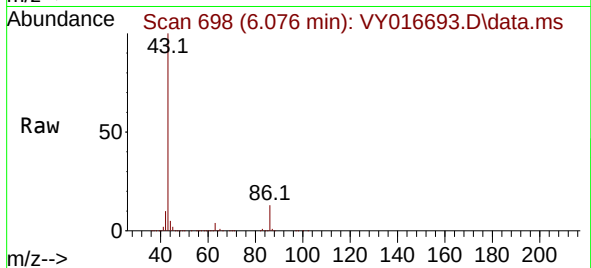




#23
 Vinyl Acetate
 Concen: 606.339 ug/l
 RT: 6.076 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

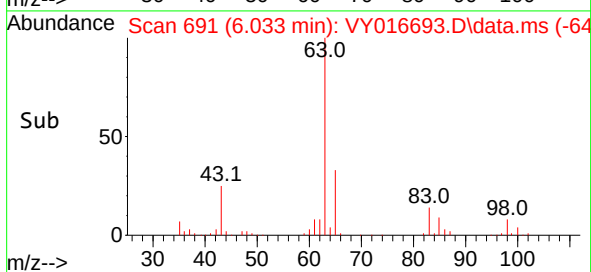
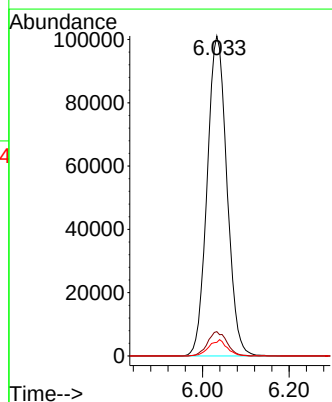
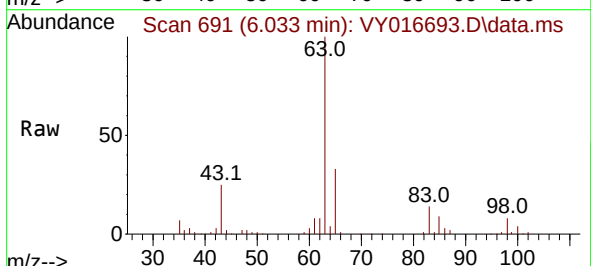
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

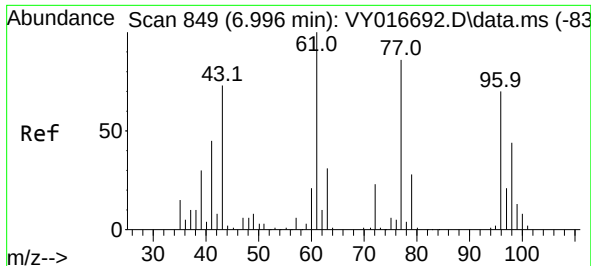
Tgt Ion: 43 Resp: 1247006
 Ion Ratio Lower Upper
 43 100
 86 12.7 10.3 15.5



#24
 1,1-Dichloroethane
 Concen: 110.577 ug/l
 RT: 6.033 min Scan# 691
 Delta R.T. -0.000 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

Tgt Ion: 63 Resp: 320274
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.8 11.2
 100 4.2 2.5 7.5





#25

2-Butanone

Concen: 669.081 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

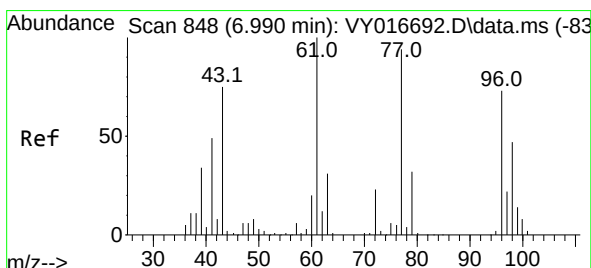
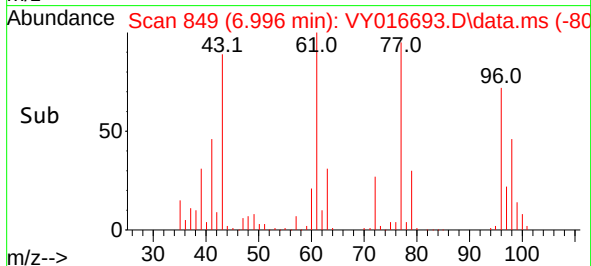
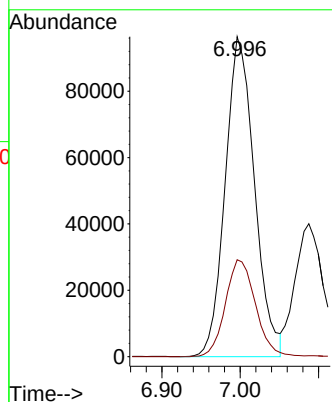
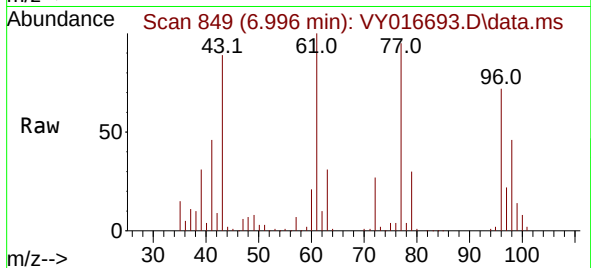
VSTDICC100

Tgt Ion: 43 Resp: 250739

Ion Ratio Lower Upper

43 100

72 30.3 26.3 39.5



#26

2,2-Dichloropropane

Concen: 112.719 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY016693.D

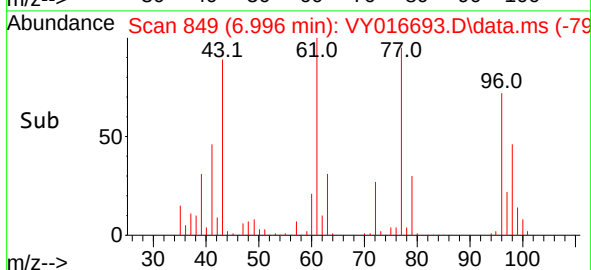
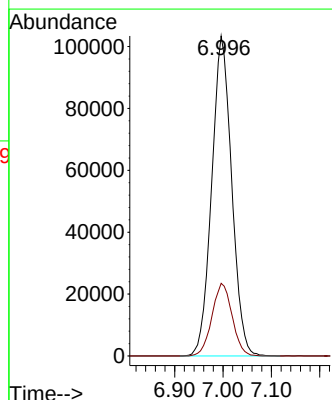
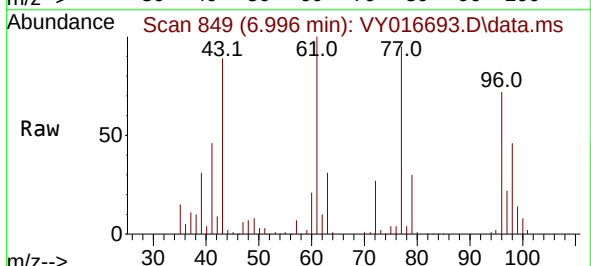
Acq: 19 Dec 2023 12:26

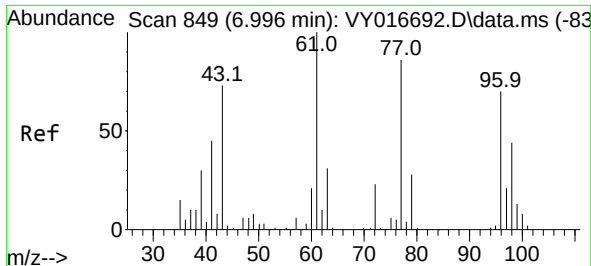
Tgt Ion: 77 Resp: 296495

Ion Ratio Lower Upper

77 100

97 22.9 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 115.691 ug/l

RT: 7.002 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

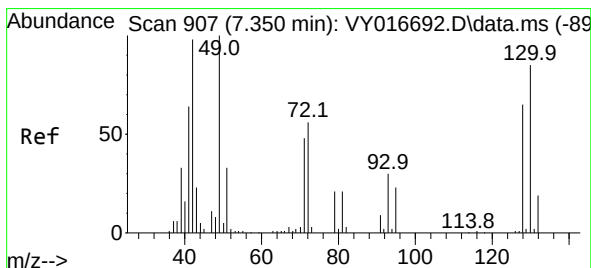
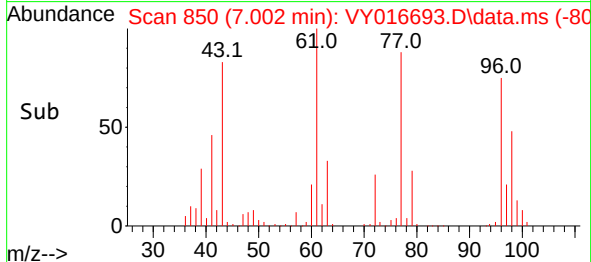
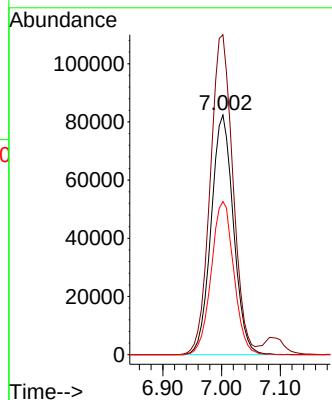
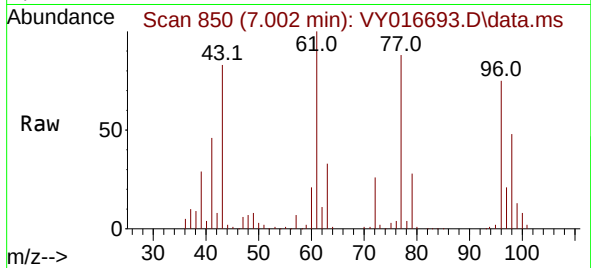
Tgt Ion: 96 Resp: 217636

Ion Ratio Lower Upper

96 100

61 135.9 0.0 255.8

98 64.7 0.0 129.2



#28

Bromochloromethane

Concen: 114.812 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

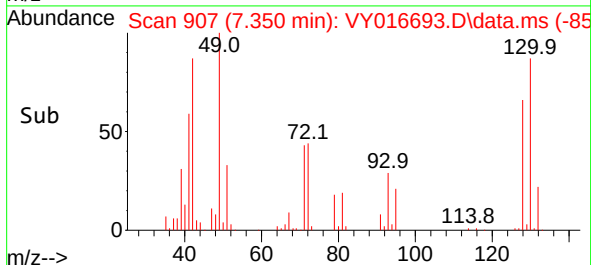
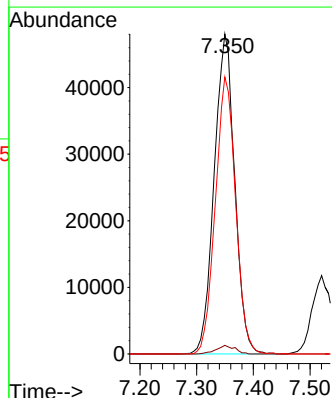
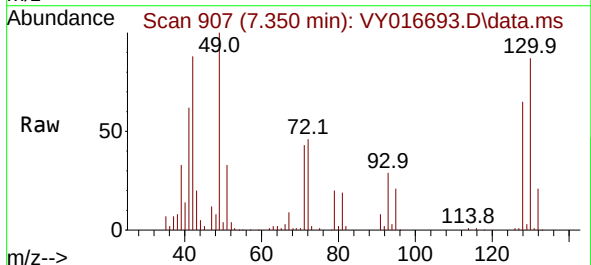
Tgt Ion: 49 Resp: 120755

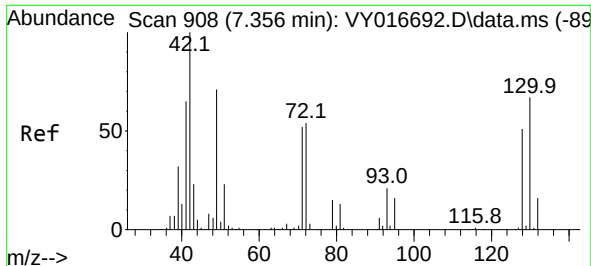
Ion Ratio Lower Upper

49 100

129 2.4 0.0 5.2

130 85.7 75.9 113.9





#29

Tetrahydrofuran

Concen: 631.943 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

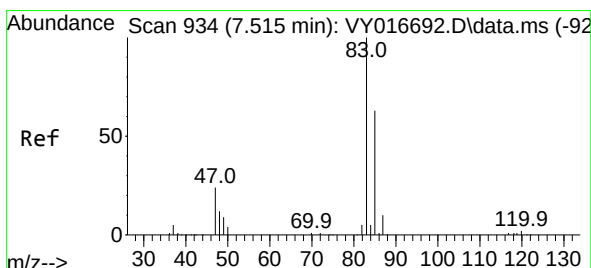
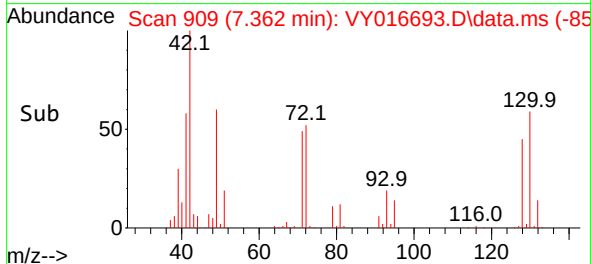
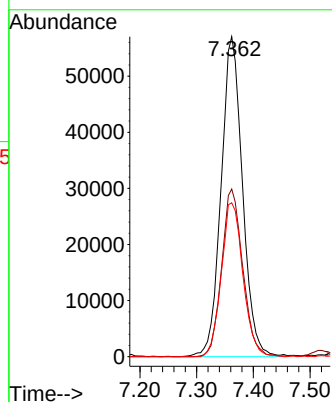
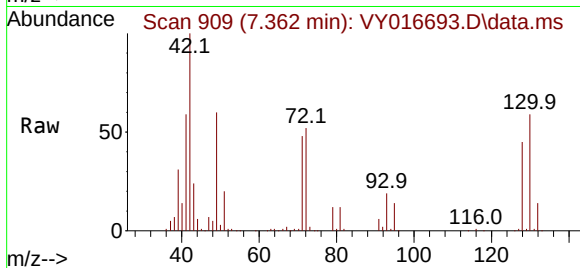
Tgt Ion: 42 Resp: 149511

Ion Ratio Lower Upper

42 100

72 51.7 40.3 60.5

71 48.6 38.9 58.3



#30

Chloroform

Concen: 110.296 ug/l

RT: 7.520 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY016693.D

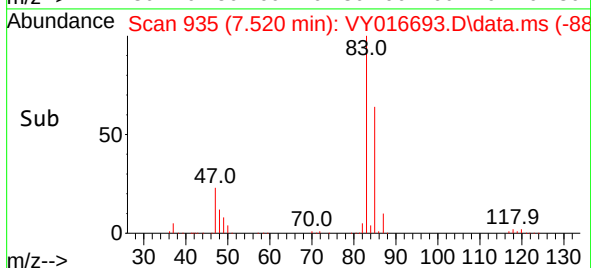
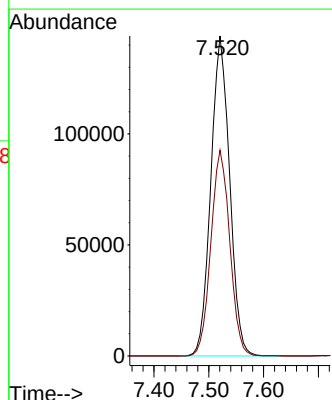
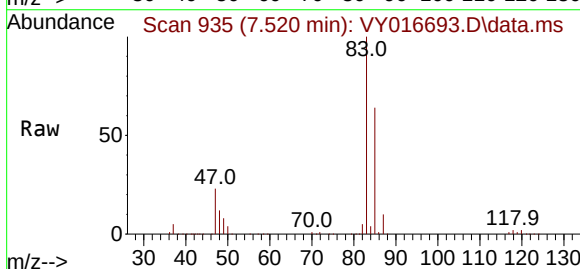
Acq: 19 Dec 2023 12:26

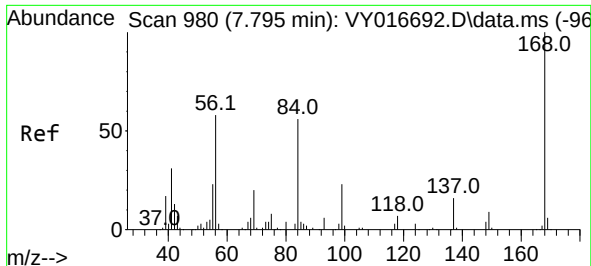
Tgt Ion: 83 Resp: 342743

Ion Ratio Lower Upper

83 100

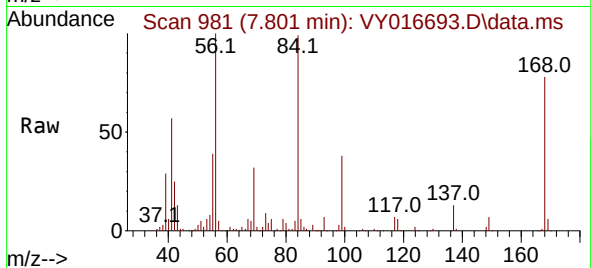
85 64.3 52.6 78.8



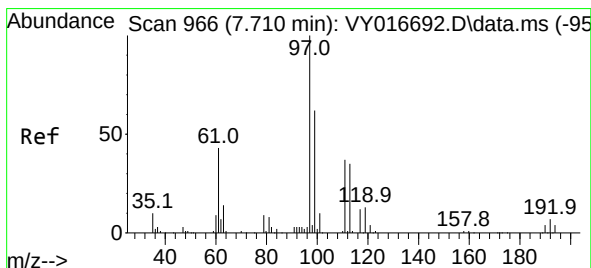
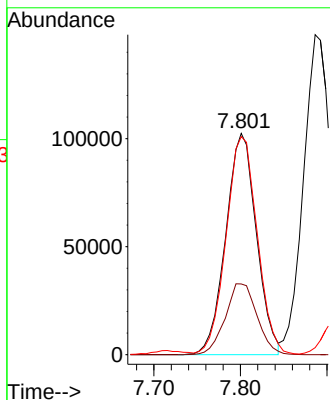
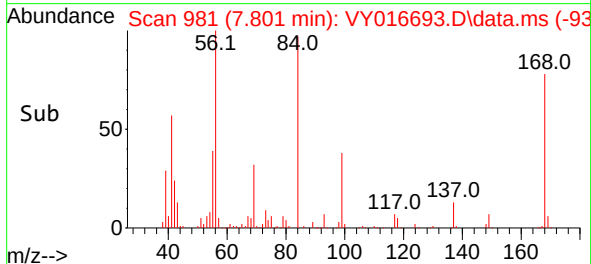


#31
Cyclohexane
Concen: 105.436 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

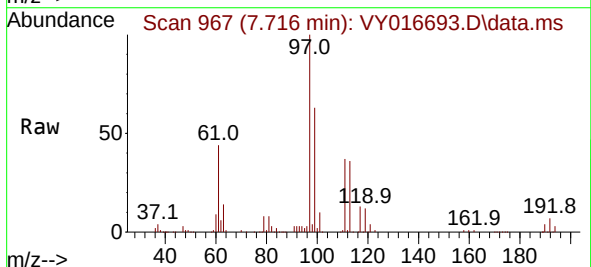
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100



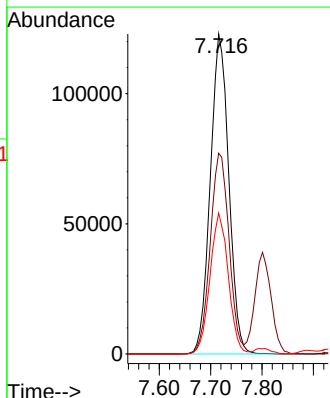
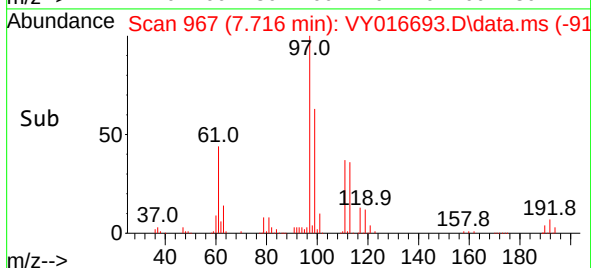
Tgt Ion: 56 Resp: 252186
Ion Ratio Lower Upper
56 100
69 31.9 27.5 41.3
84 97.1 78.1 117.1

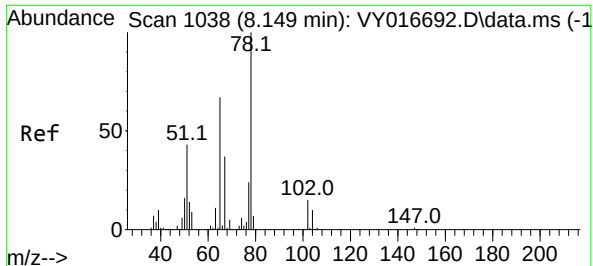


#32
1,1,1-Trichloroethane
Concen: 111.081 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26



Tgt Ion: 97 Resp: 306504
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.8 31.6 47.4





#33

1,2-Dichloroethane-d4

Concen: 115.247 ug/l

RT: 8.154 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

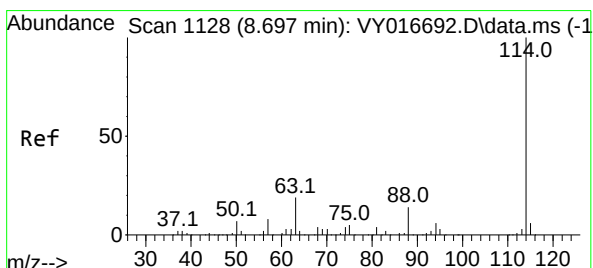
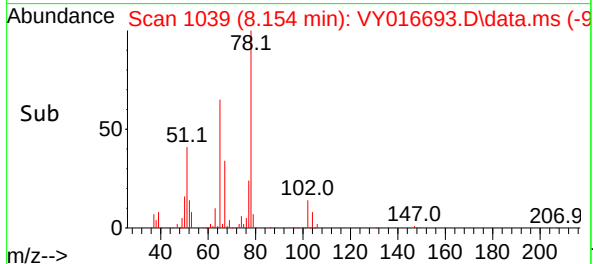
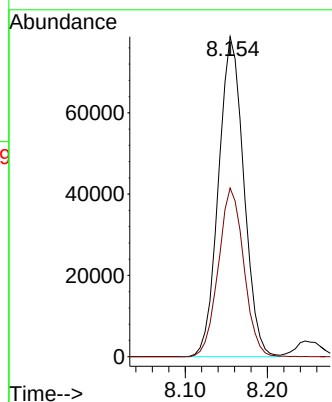
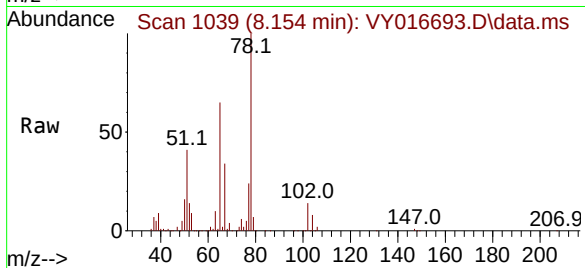
VSTDIC100

Tgt Ion: 65 Resp: 168413

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

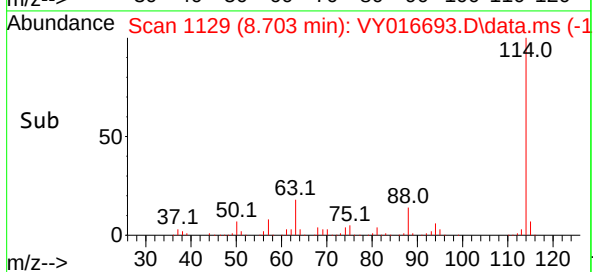
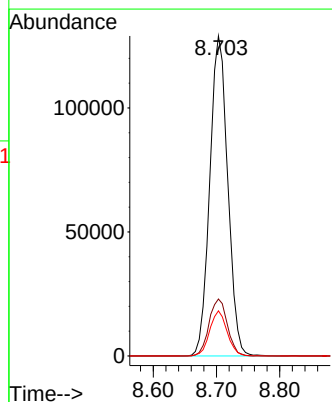
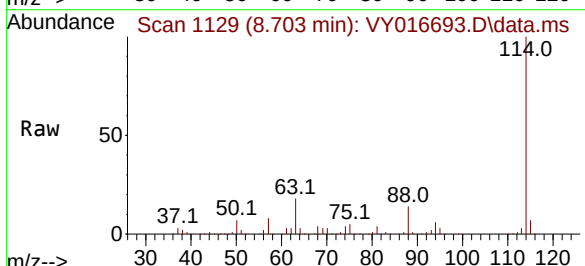
Tgt Ion: 114 Resp: 254268

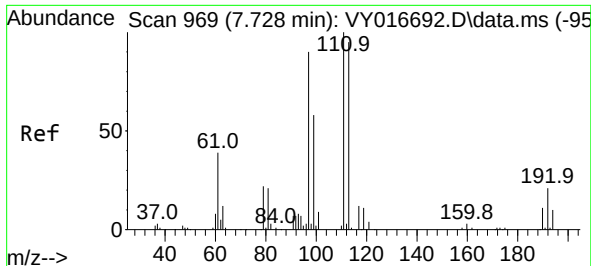
Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 14.1 0.0 29.2

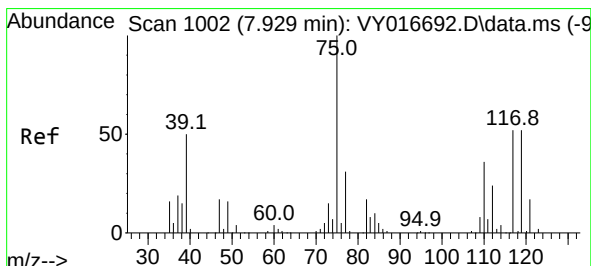
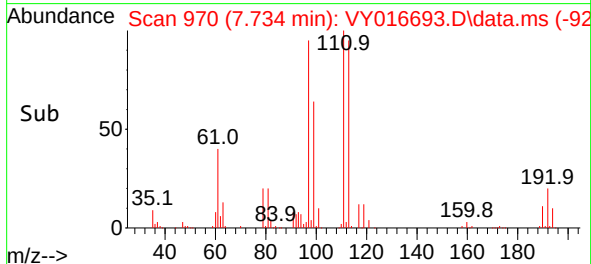
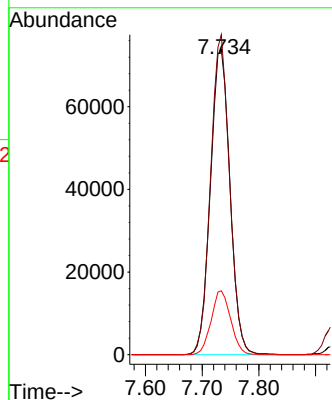
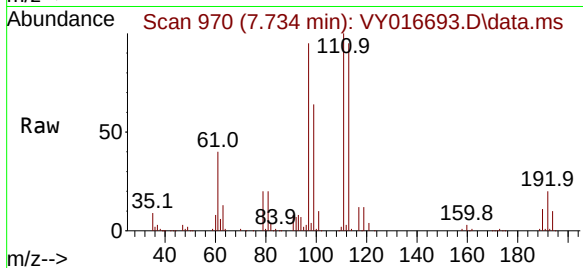




#35
Dibromofluoromethane
Concen: 118.407 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

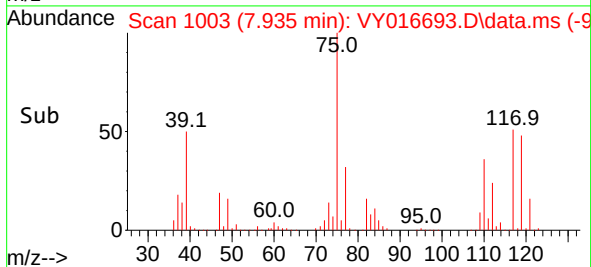
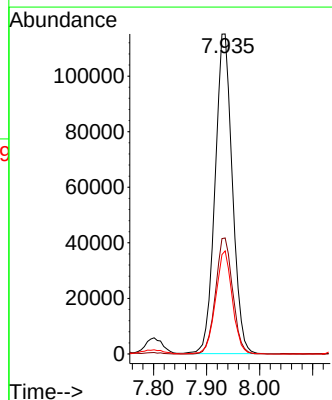
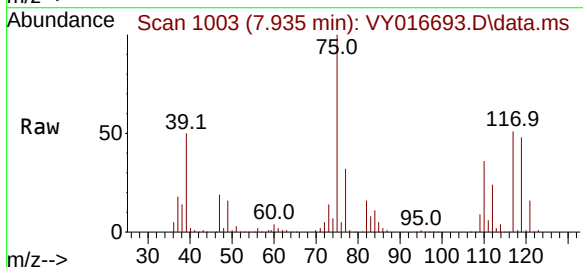
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

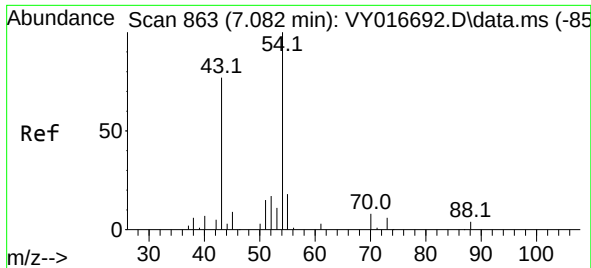
Tgt Ion:113 Resp: 177320
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 20.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 114.926 ug/l
RT: 7.935 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 75 Resp: 260339
Ion Ratio Lower Upper
75 100
110 36.0 18.9 56.9
77 31.3 25.3 37.9

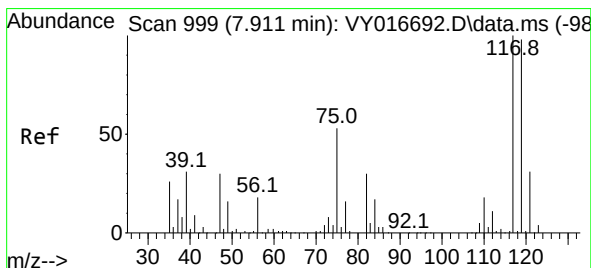
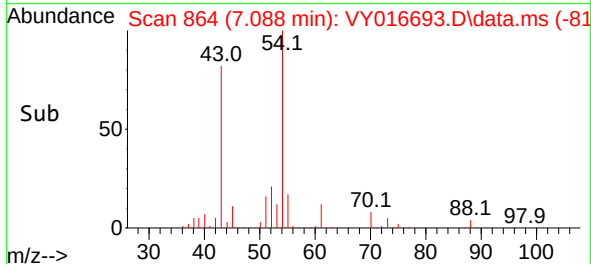
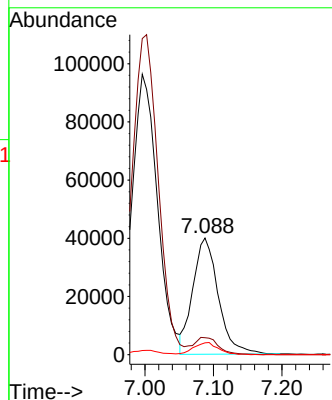
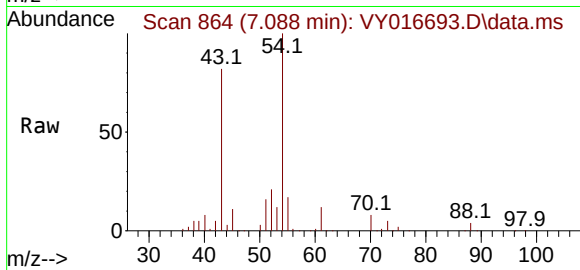




#37
Ethyl Acetate
Concen: 119.133 ug/l
RT: 7.088 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

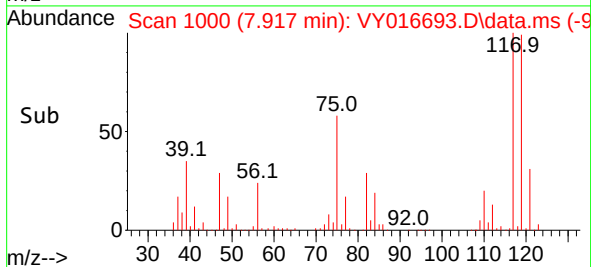
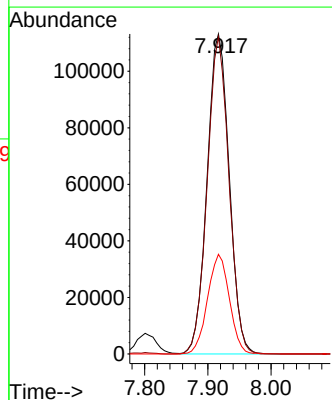
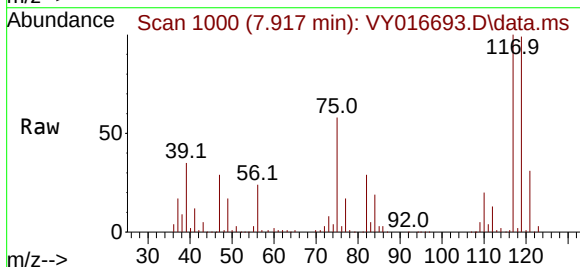
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

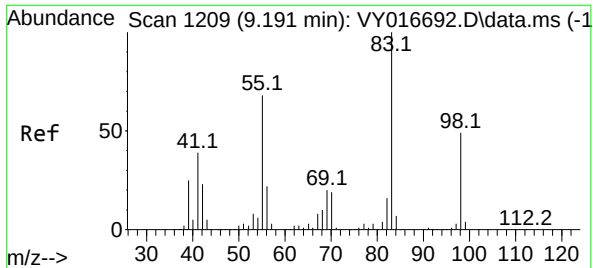
Tgt Ion: 43 Resp: 103360
Ion Ratio Lower Upper
43 100
61 13.9 13.0 19.4
70 10.1 9.9 14.9



#38
Carbon Tetrachloride
Concen: 112.928 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 117 Resp: 276018
Ion Ratio Lower Upper
117 100
119 99.2 75.0 112.4
121 31.1 24.2 36.4





#39

Methylcyclohexane

Concen: 120.153 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

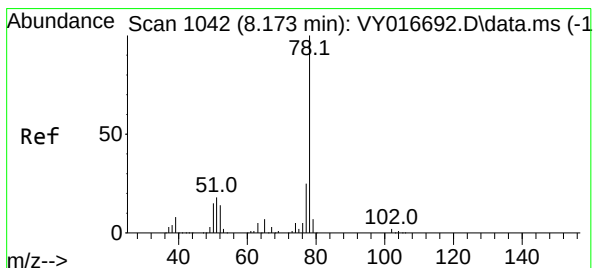
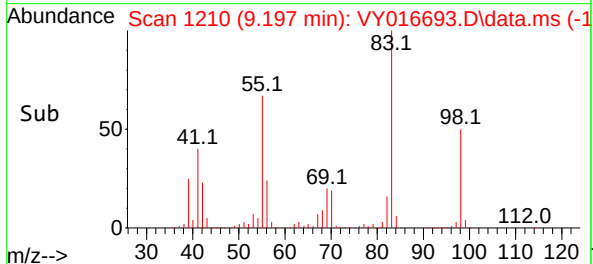
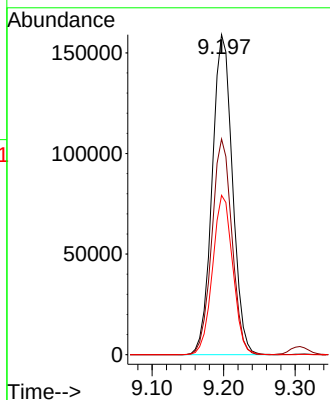
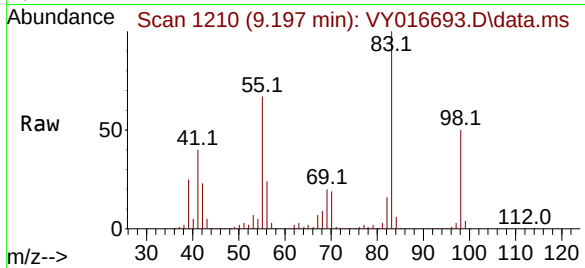
Tgt Ion: 83 Resp: 313370

Ion Ratio Lower Upper

83 100

55 67.4 54.6 81.8

98 49.8 40.1 60.1



#40

Benzene

Concen: 114.618 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VY016693.D

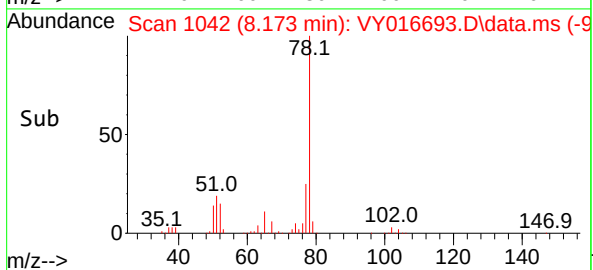
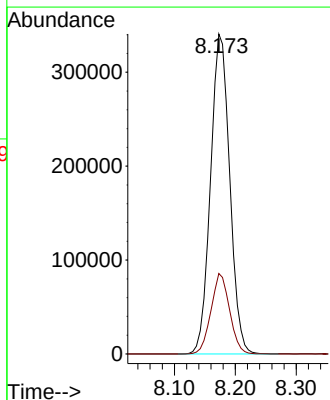
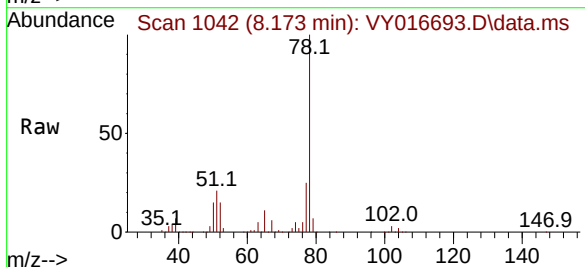
Acq: 19 Dec 2023 12:26

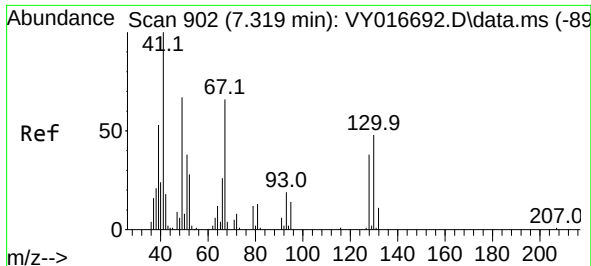
Tgt Ion: 78 Resp: 745975

Ion Ratio Lower Upper

78 100

77 25.1 19.0 28.4

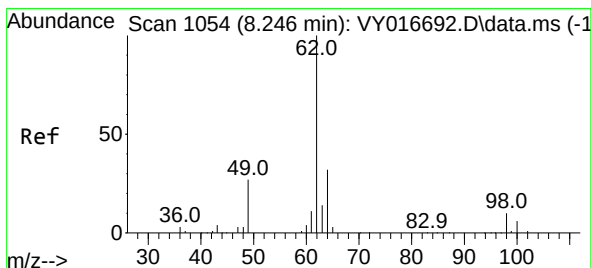
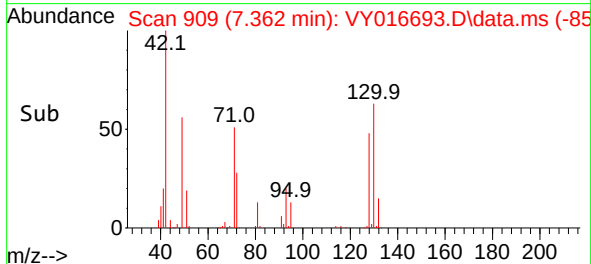
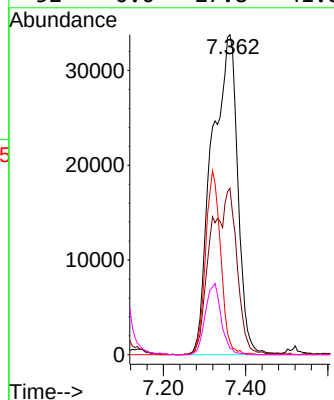
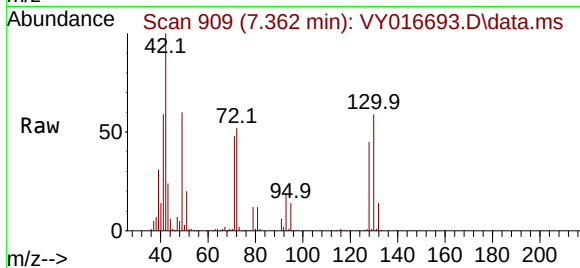




#41
Methacrylonitrile
Concen: 318.120 ug/l
RT: 7.362 min Scan# 90
Delta R.T. 0.042 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

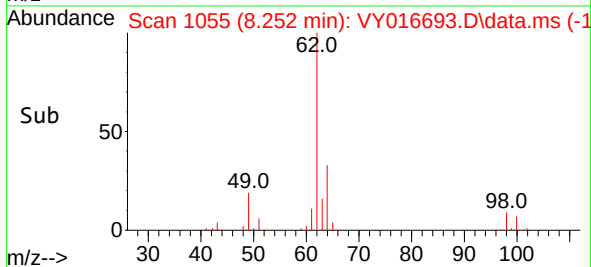
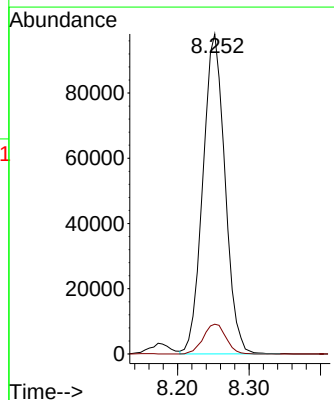
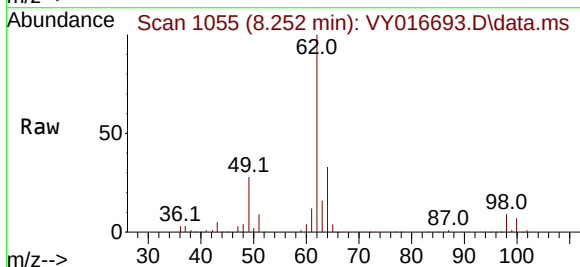
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

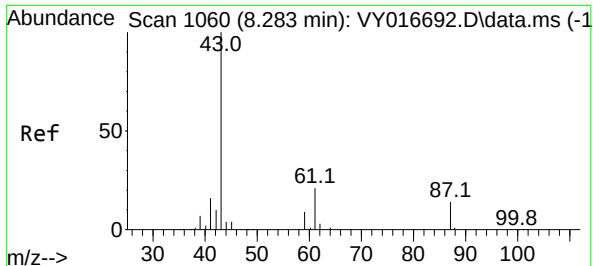
Tgt Ion: 41 Resp: 146584
Ion Ratio Lower Upper
41 100
39 25.6 47.8 71.6#
67 0.0 74.9 112.3#
52 0.0 27.8 41.8#



#42
1,2-Dichloroethane
Concen: 114.243 ug/l
RT: 8.252 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 62 Resp: 210399
Ion Ratio Lower Upper
62 100
98 9.6 0.0 22.4

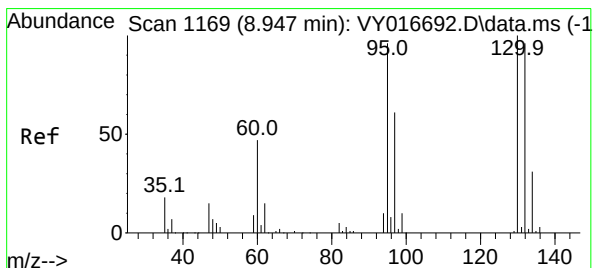
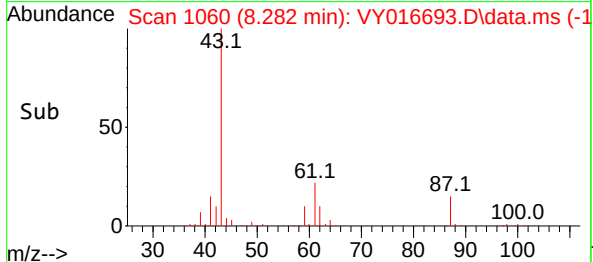
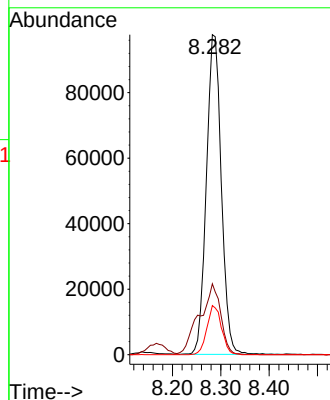
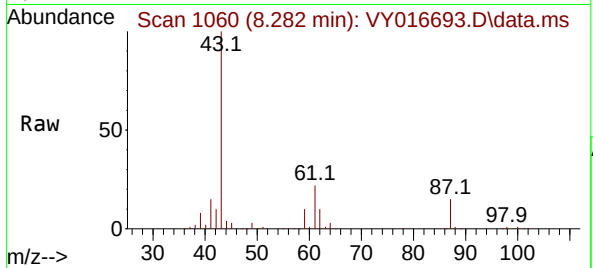




#43
Isopropyl Acetate
Concen: 125.814 ug/l
RT: 8.282 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

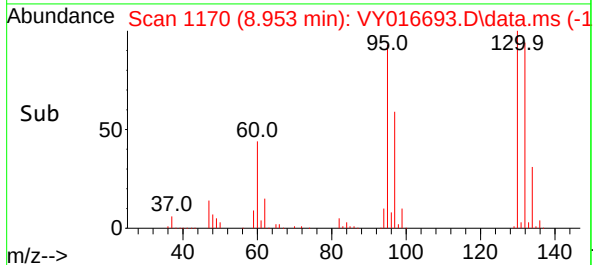
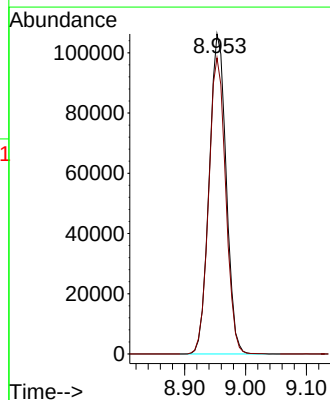
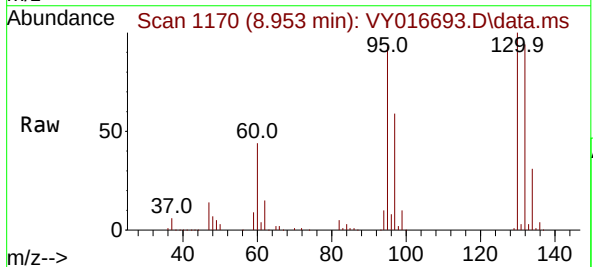
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

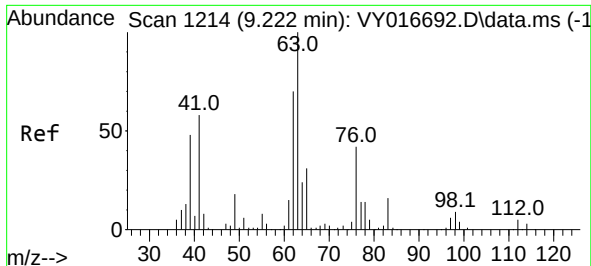
Tgt Ion: 43 Resp: 209653
Ion Ratio Lower Upper
43 100
61 31.5 27.4 41.0
87 15.0 13.2 19.8



#44
Trichloroethene
Concen: 114.726 ug/l
RT: 8.953 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion:130 Resp: 205483
Ion Ratio Lower Upper
130 100
95 92.5 0.0 189.2

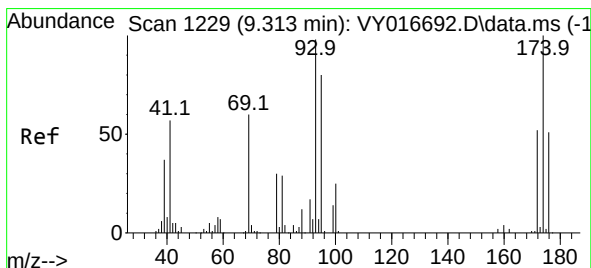
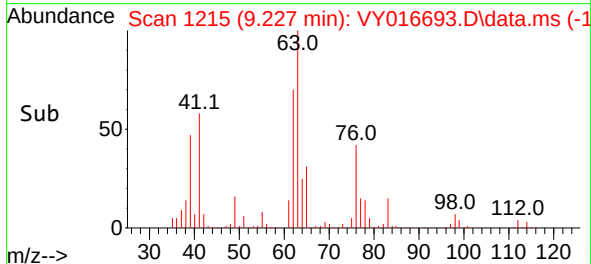
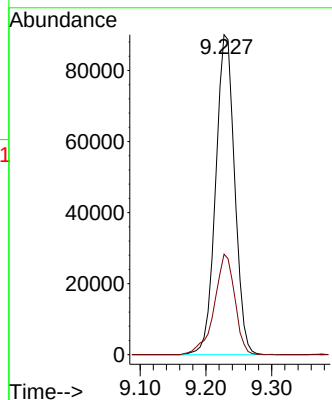
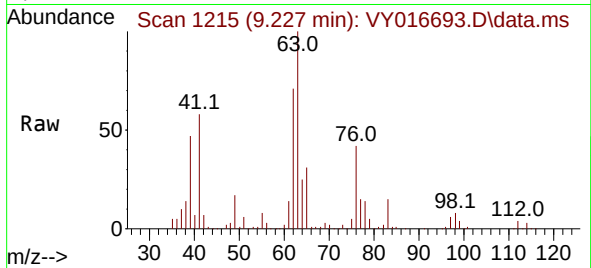




#45
1,2-Dichloropropane
Concen: 116.318 ug/l
RT: 9.227 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

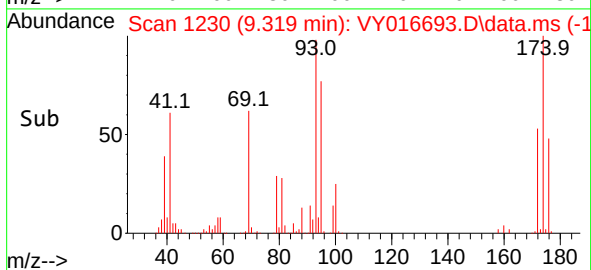
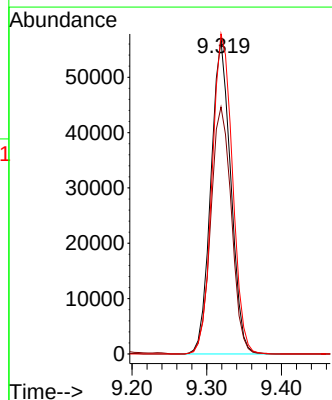
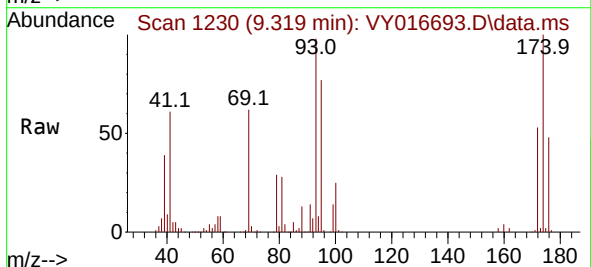
Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

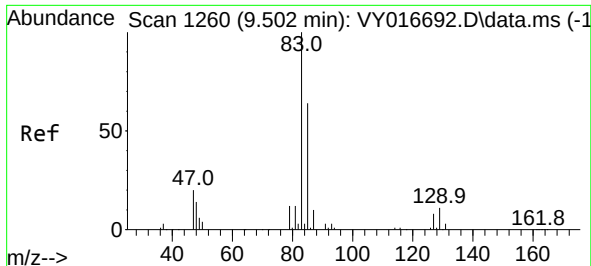
Tgt Ion: 63 Resp: 180947
Ion Ratio Lower Upper
63 100
65 31.4 24.0 36.0



#46
Dibromomethane
Concen: 119.302 ug/l
RT: 9.319 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 93 Resp: 104802
Ion Ratio Lower Upper
93 100
95 81.3 66.9 100.3
174 104.8 85.2 127.8

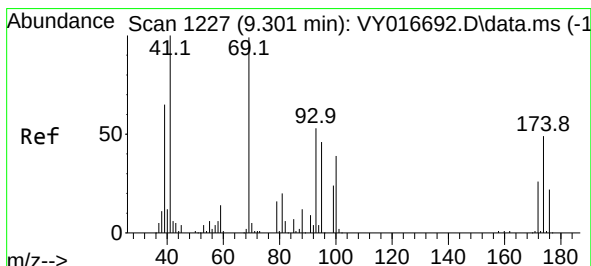
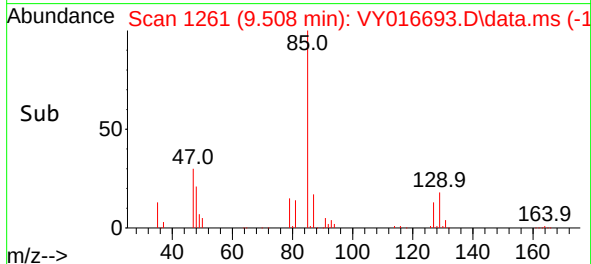
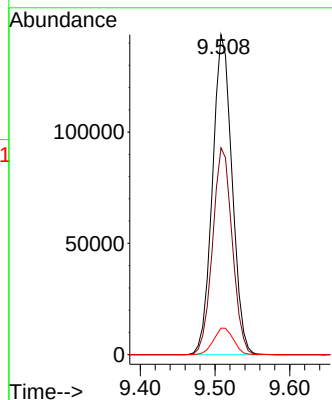
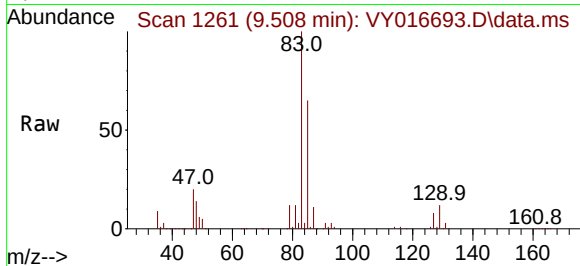




#47
Bromodichloromethane
Concen: 114.202 ug/l
RT: 9.508 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

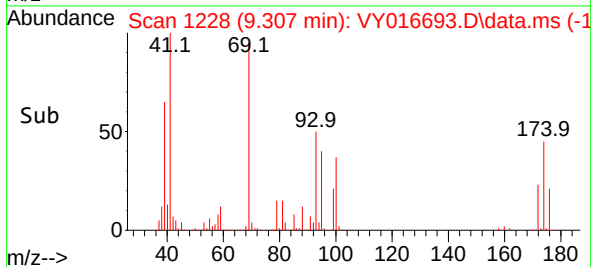
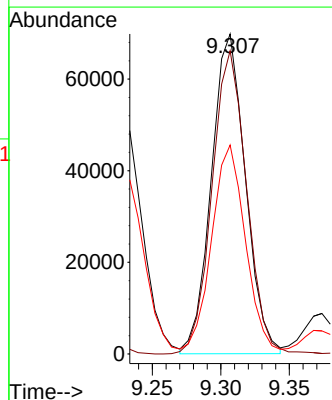
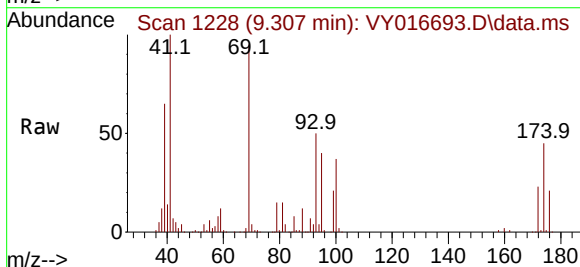
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

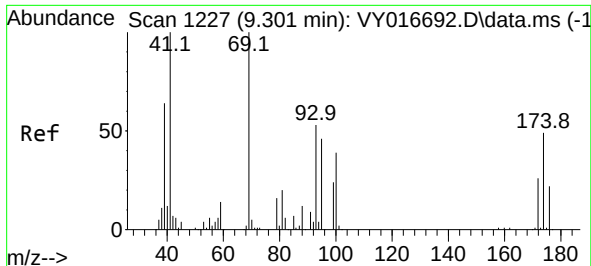
Tgt Ion: 83 Resp: 261940
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.0
127 8.3 7.3 10.9



#48
Methyl methacrylate
Concen: 133.601 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 41 Resp: 120791
Ion Ratio Lower Upper
41 100
69 96.1 85.5 128.3
39 62.3 40.9 61.3#





#49

1,4-Dioxane

Concen: 2766.794 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.012 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

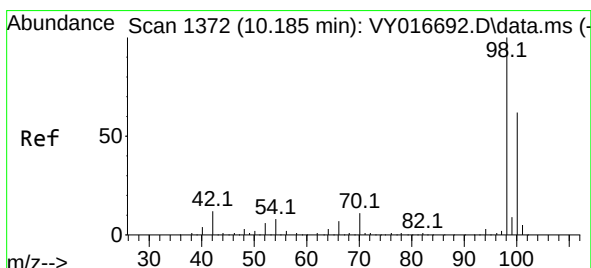
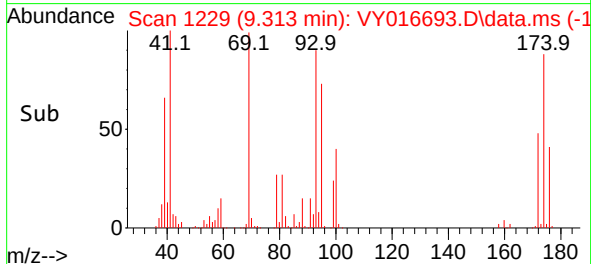
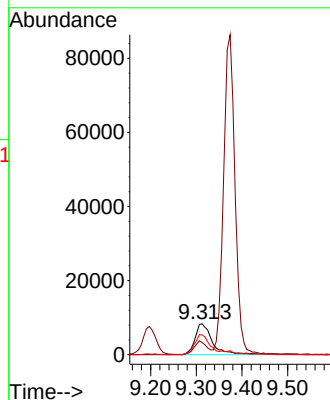
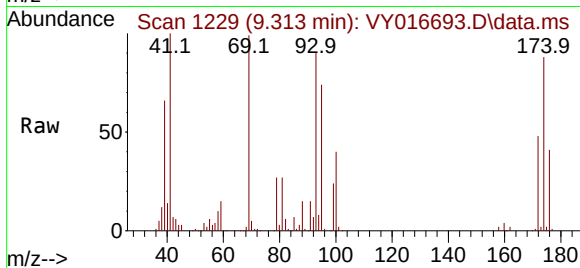
Tgt Ion: 88 Resp: 22378

Ion Ratio Lower Upper

88 100

43 31.6 0.0 0.0#

58 57.5 54.0 81.0



#50

Toluene-d8

Concen: 120.483 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY016693.D

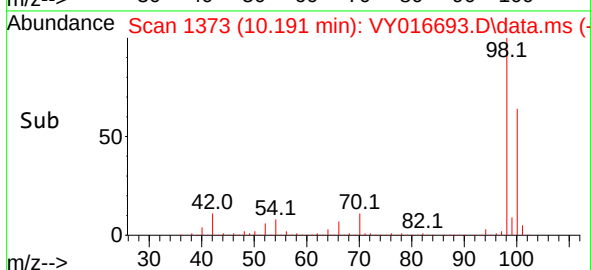
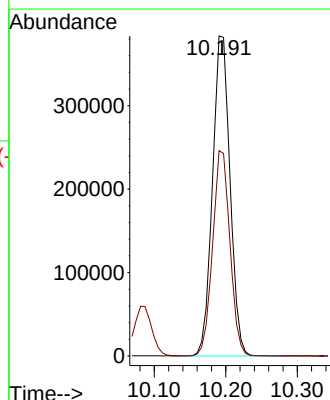
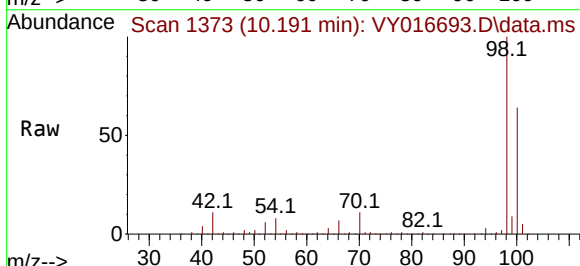
Acq: 19 Dec 2023 12:26

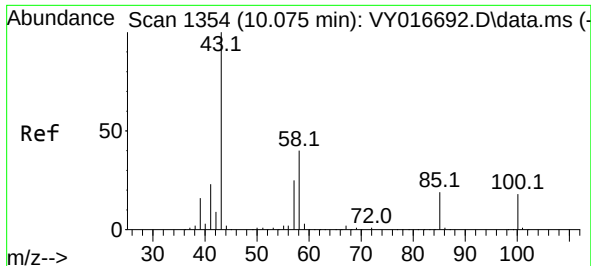
Tgt Ion: 98 Resp: 653438

Ion Ratio Lower Upper

98 100

100 63.4 52.5 78.7

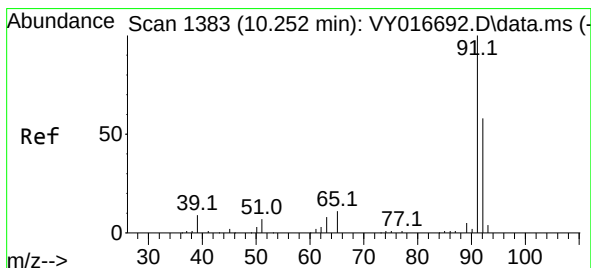
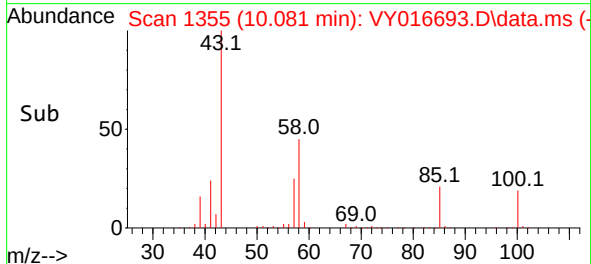
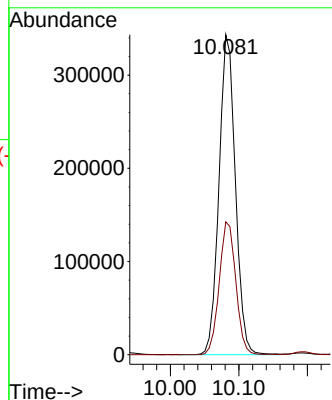
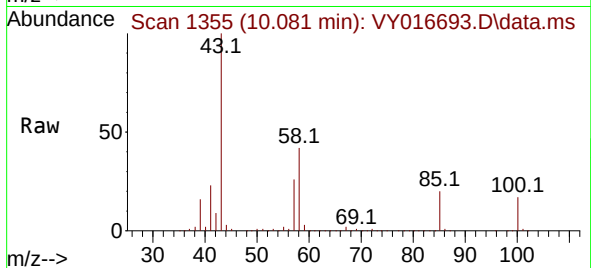




#51
4-Methyl-2-Pentanone
Concen: 663.836 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

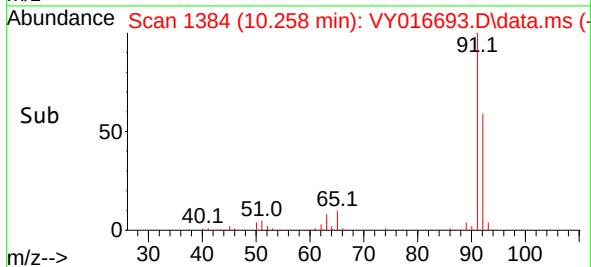
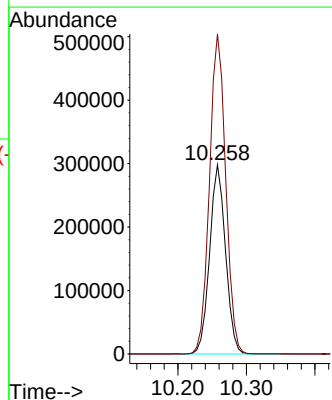
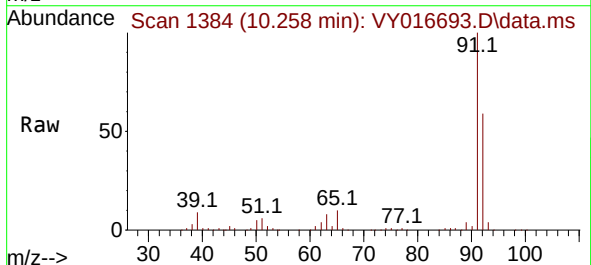
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

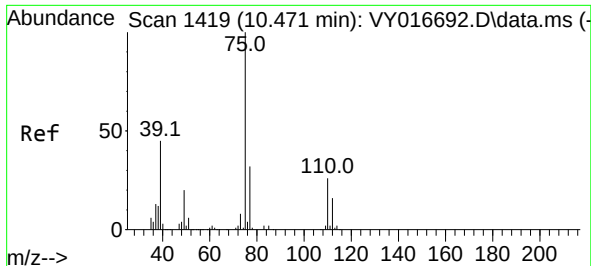
Tgt Ion: 43 Resp: 567770
Ion Ratio Lower Upper
43 100
58 42.1 35.8 53.8



#52
Toluene
Concen: 120.398 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 92 Resp: 479445
Ion Ratio Lower Upper
92 100
91 173.1 136.3 204.5

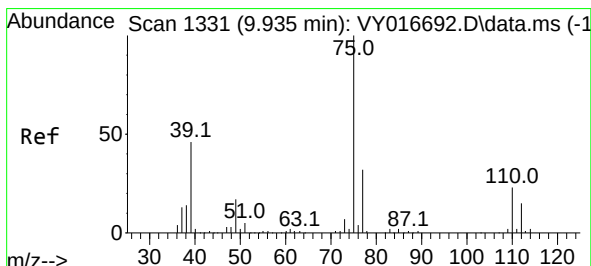
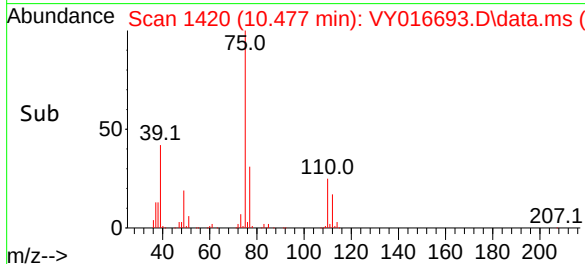
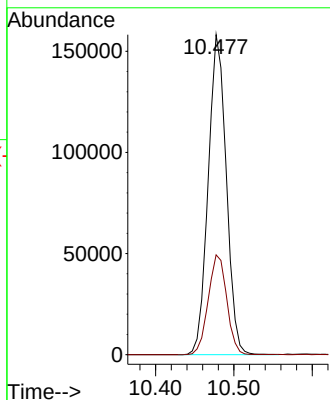
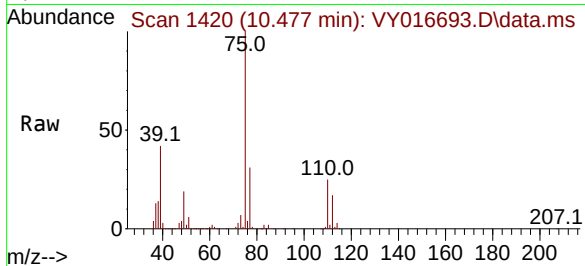




#53
 t-1,3-Dichloropropene
 Concen: 123.548 ug/l
 RT: 10.477 min Scan# 1419
 Delta R.T. 0.006 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

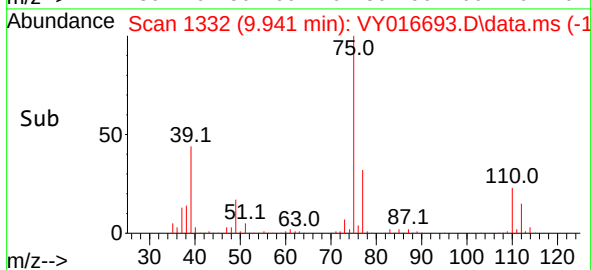
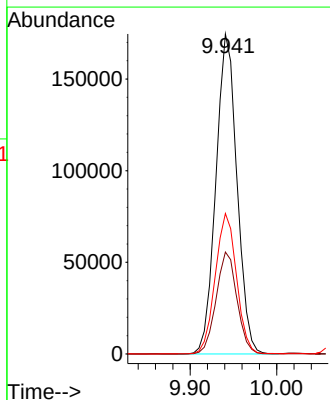
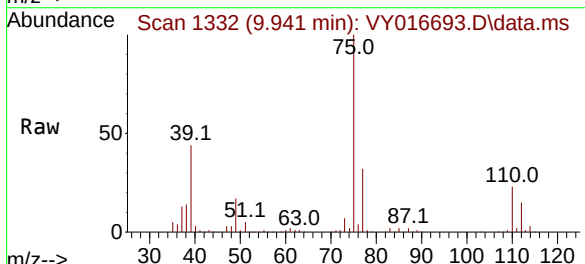
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

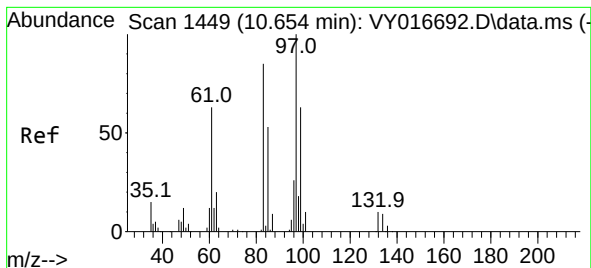
Tgt Ion: 75 Resp: 253734
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 121.135 ug/l
 RT: 9.941 min Scan# 1332
 Delta R.T. 0.006 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

Tgt Ion: 75 Resp: 294779
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 43.9 29.7 44.5





#55

1,1,2-Trichloroethane

Concen: 117.514 ug/l

RT: 10.660 min Scan# 1449

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 142601

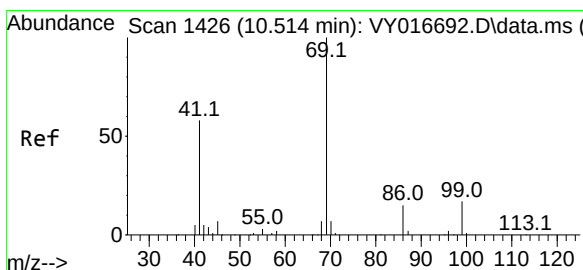
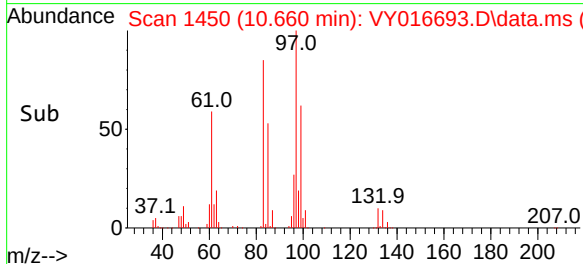
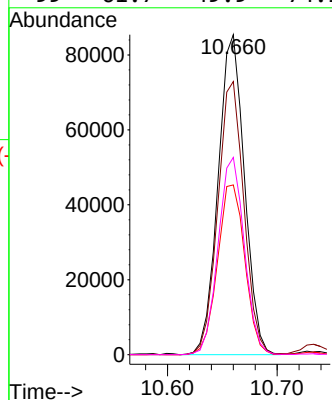
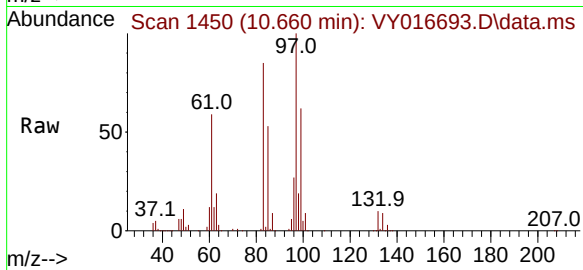
Ion Ratio Lower Upper

97 100

83 85.3 65.8 98.6

85 53.0 43.4 65.2

99 61.7 49.9 74.9



#56

Ethyl methacrylate

Concen: 133.904 ug/l

RT: 10.526 min Scan# 1428

Delta R.T. 0.012 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

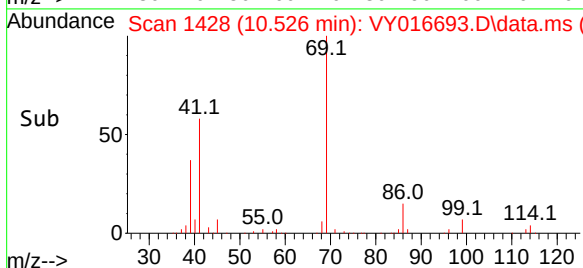
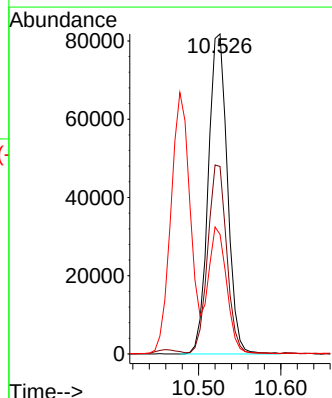
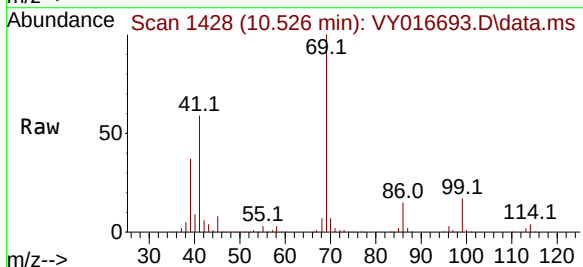
Tgt Ion: 69 Resp: 132226

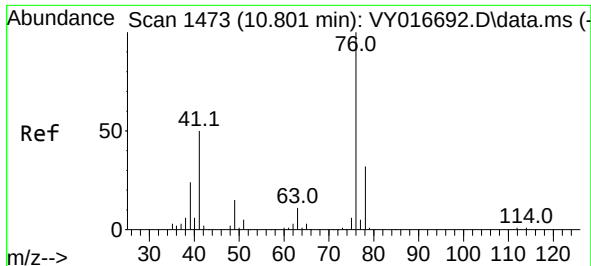
Ion Ratio Lower Upper

69 100

41 58.6 44.6 67.0

39 38.0 21.5 32.3#





#57

1,3-Dichloropropane

Concen: 119.645 ug/l

RT: 10.806 min Scan# 1473

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

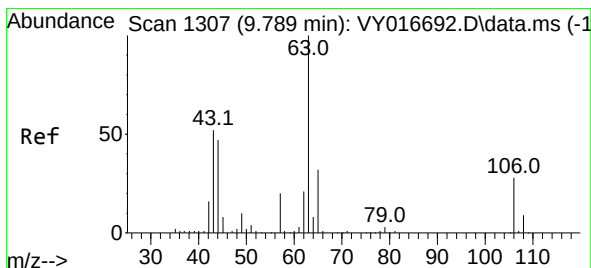
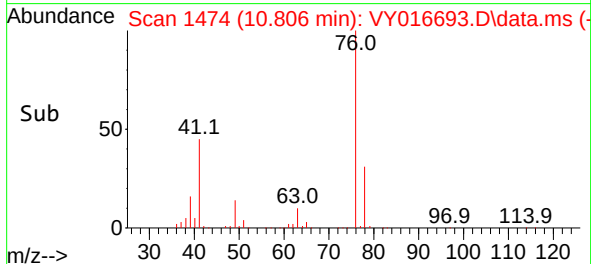
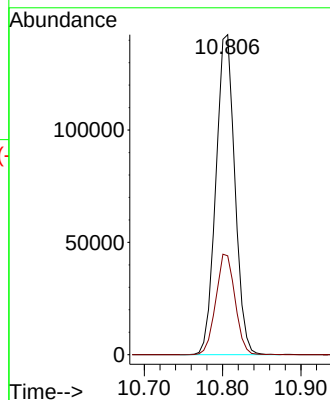
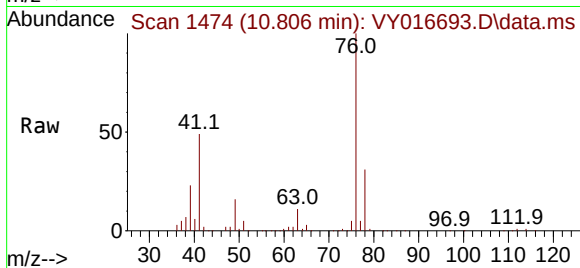
VSTDIC100

Tgt Ion: 76 Resp: 239569

Ion Ratio Lower Upper

76 100

78 31.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 563.271 ug/l

RT: 9.794 min Scan# 1308

Delta R.T. 0.005 min

Lab File: VY016693.D

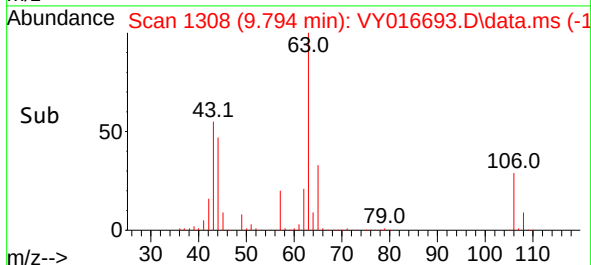
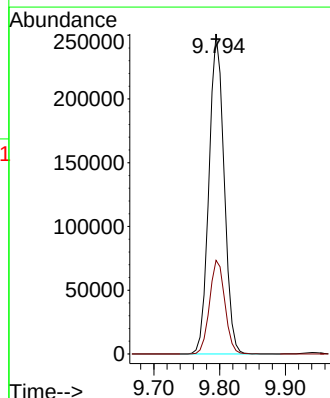
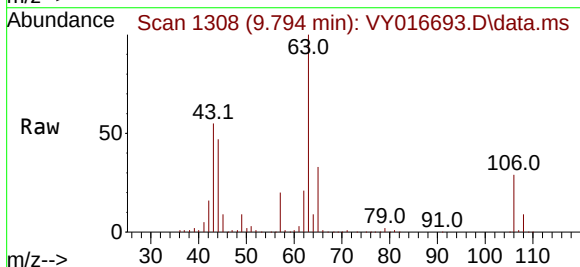
Acq: 19 Dec 2023 12:26

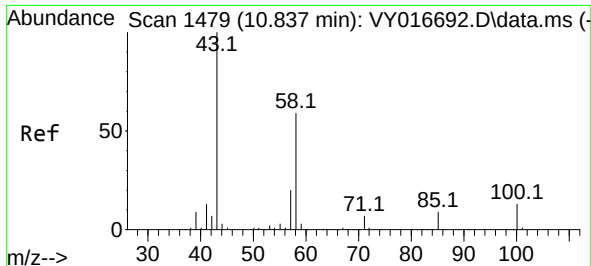
Tgt Ion: 63 Resp: 402069

Ion Ratio Lower Upper

63 100

106 29.5 25.4 38.2

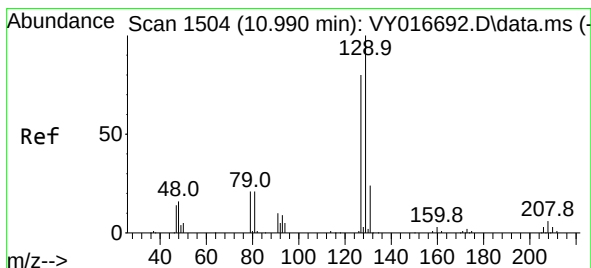
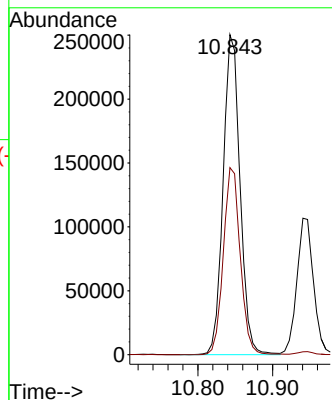
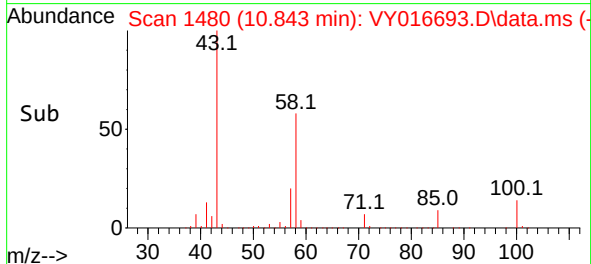
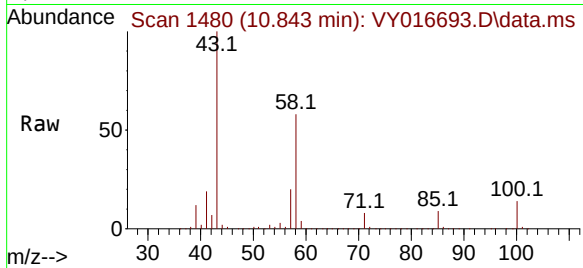




#59
2-Hexanone
Concen: 632.219 ug/l
RT: 10.843 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

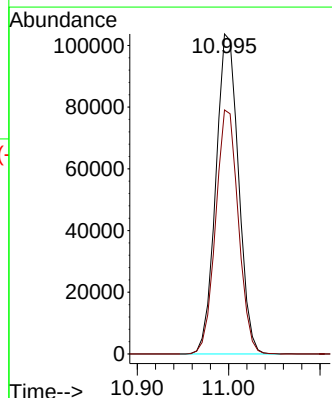
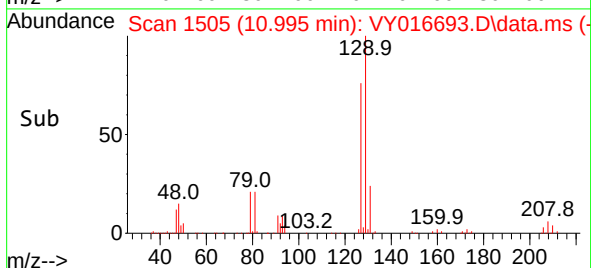
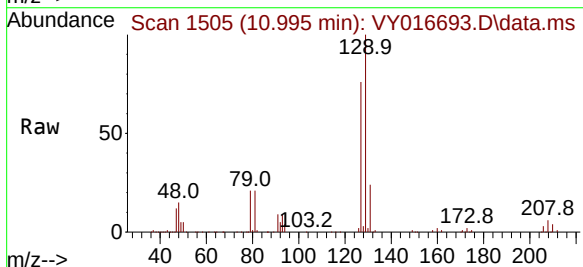
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

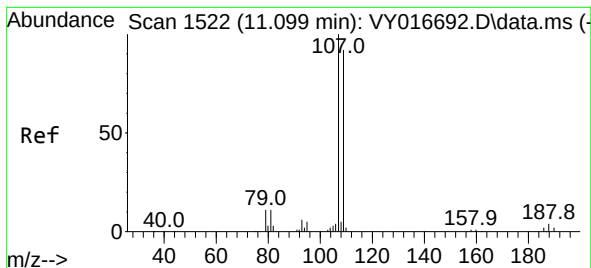
Tgt Ion: 43 Resp: 393957
Ion Ratio Lower Upper
43 100
58 58.5 30.8 92.4



#60
Dibromochloromethane
Concen: 121.182 ug/l
RT: 10.995 min Scan# 1505
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 129 Resp: 178544
Ion Ratio Lower Upper
129 100
127 76.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 119.879 ug/l

RT: 11.105 min Scan# 1523

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

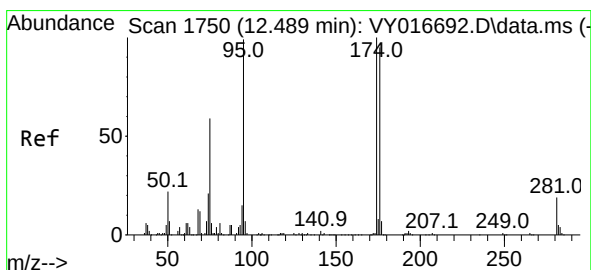
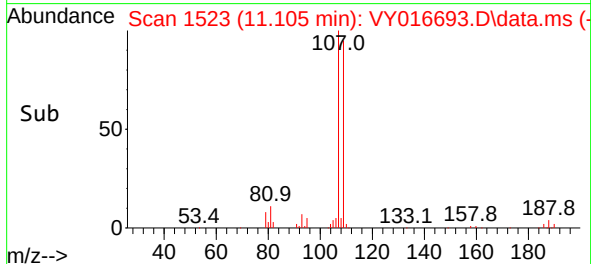
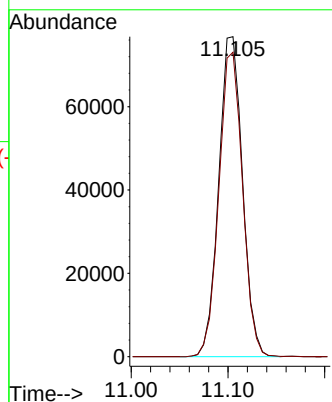
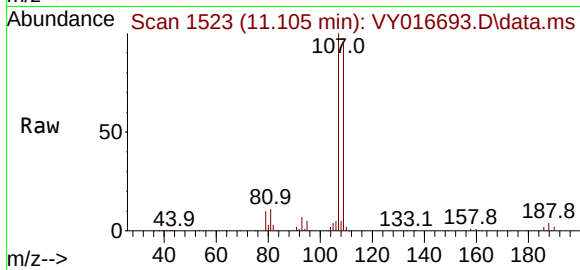
VSTDIC100

Tgt Ion:107 Resp: 131016

Ion Ratio Lower Upper

107 100

109 94.7 74.7 112.1



#62

4-Bromofluorobenzene

Concen: 119.251 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

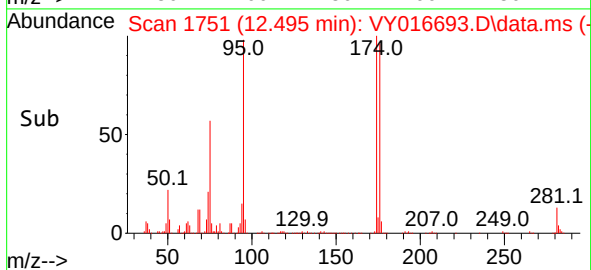
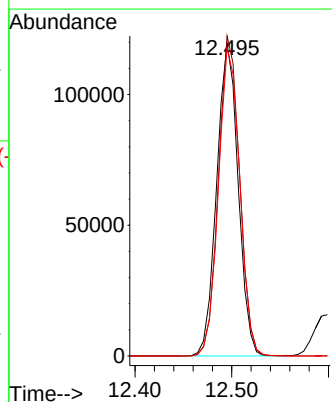
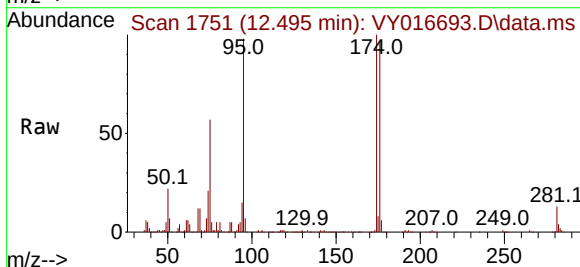
Tgt Ion: 95 Resp: 183894

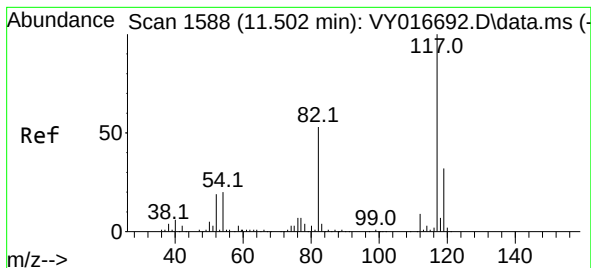
Ion Ratio Lower Upper

95 100

174 100.9 0.0 181.0

176 97.8 0.0 176.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

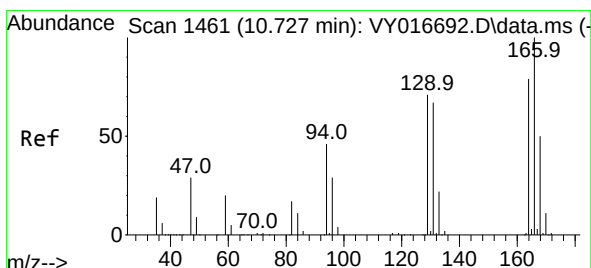
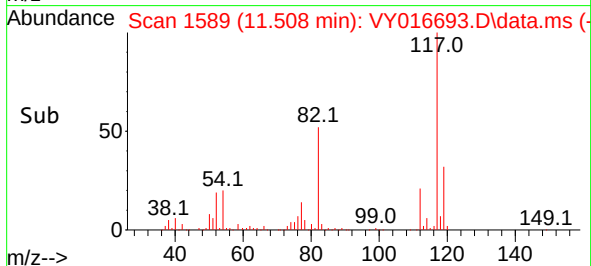
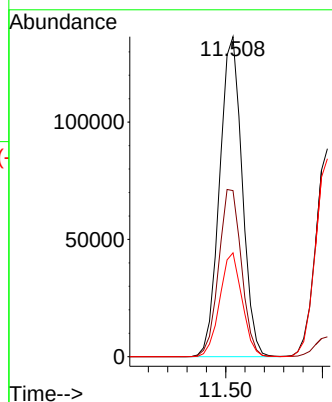
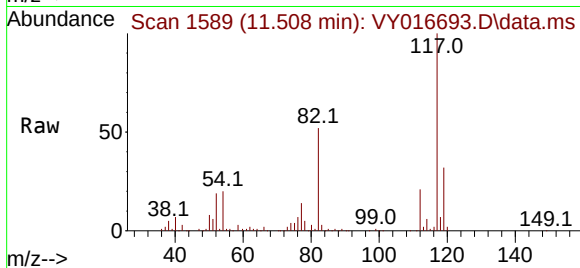
Tgt Ion:117 Resp: 220374

Ion Ratio Lower Upper

117 100

82 51.9 41.0 61.6

119 32.5 25.8 38.8



#64

Tetrachloroethene

Concen: 116.199 ug/l

RT: 10.733 min Scan# 1462

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Tgt Ion:164 Resp: 176634

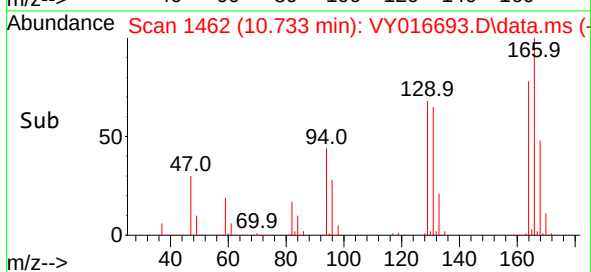
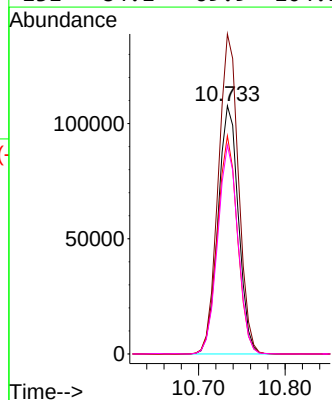
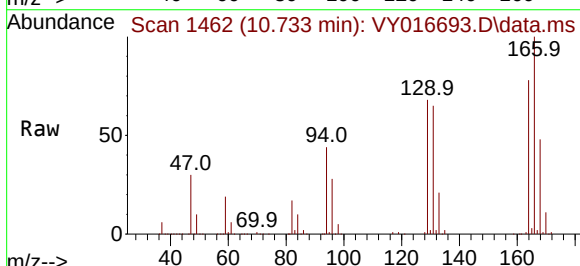
Ion Ratio Lower Upper

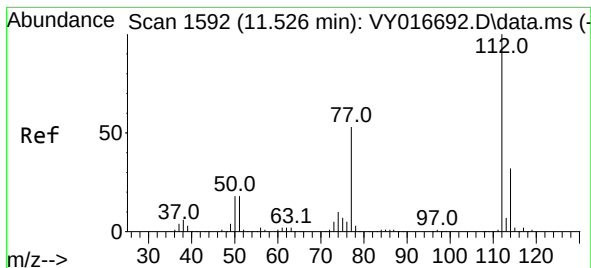
164 100

166 128.9 103.9 155.9

129 87.9 71.4 107.2

131 84.1 69.9 104.9





#65

Chlorobenzene

Concen: 115.112 ug/l

RT: 11.532 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

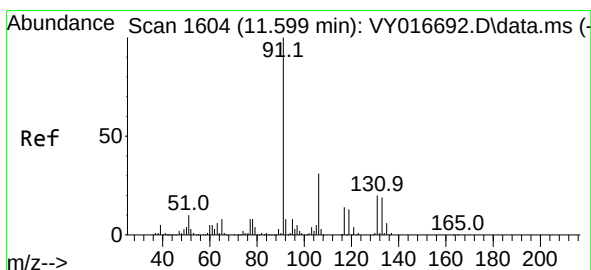
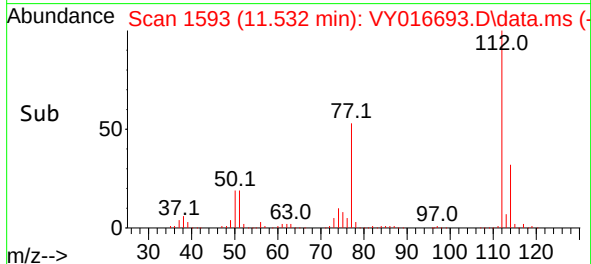
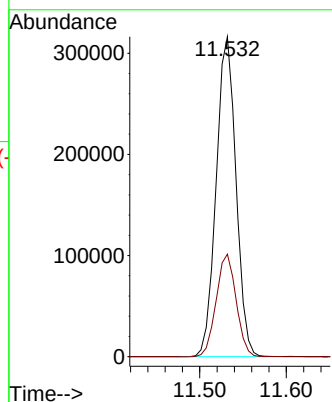
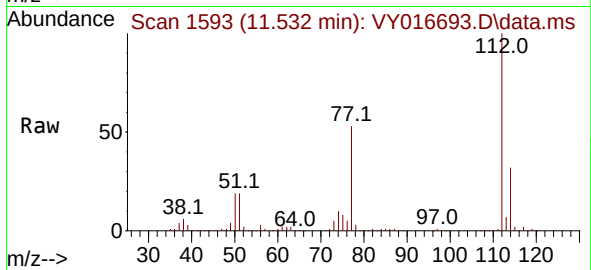
VSTDIC100

Tgt Ion:112 Resp: 502373

Ion Ratio Lower Upper

112 100

114 32.0 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 119.490 ug/l

RT: 11.605 min Scan# 1605

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

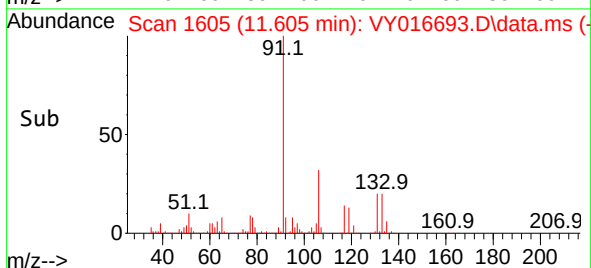
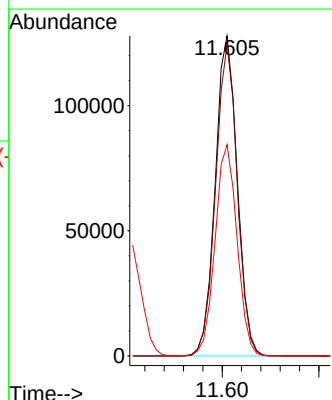
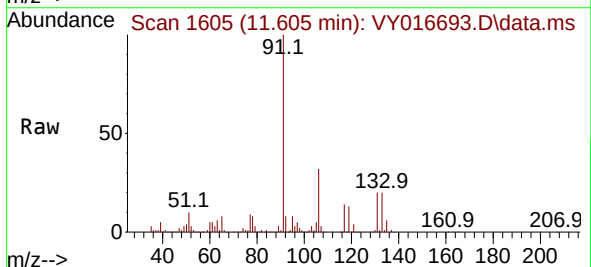
Tgt Ion:131 Resp: 202026

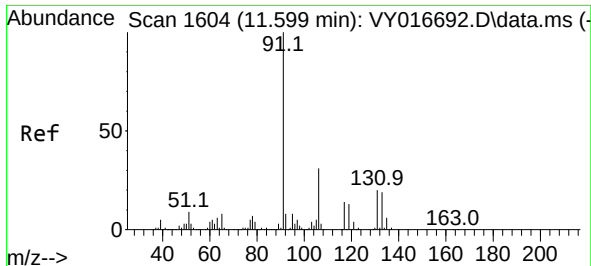
Ion Ratio Lower Upper

131 100

133 95.6 48.5 145.6

119 66.0 32.9 98.7

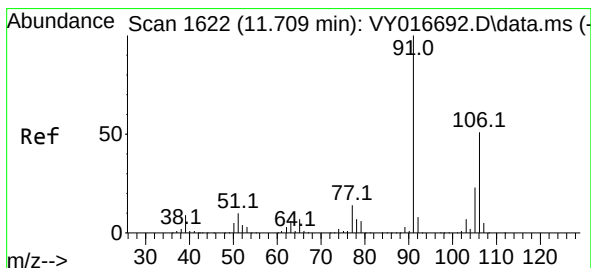
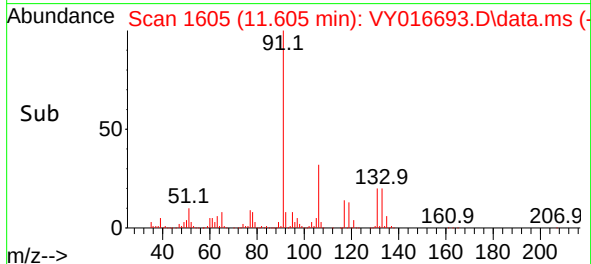
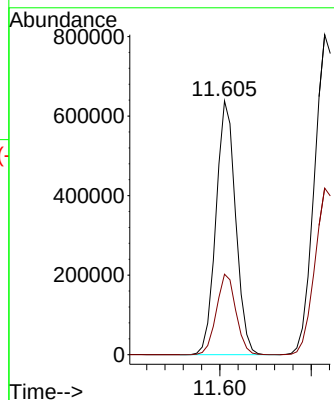
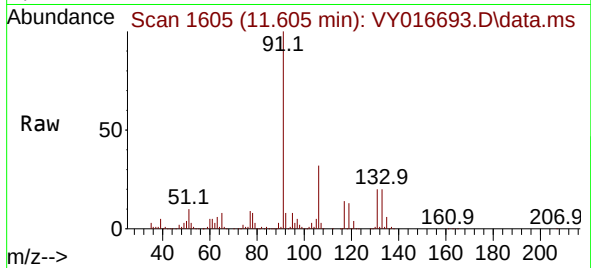




#67
Ethyl Benzene
Concen: 122.290 ug/l
RT: 11.605 min Scan# 1605
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

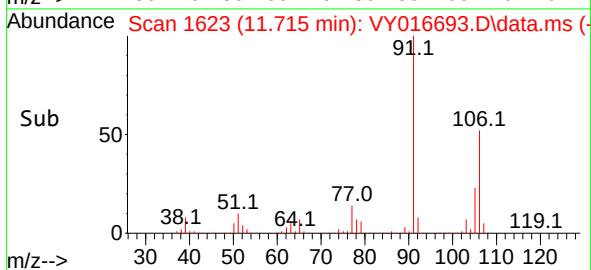
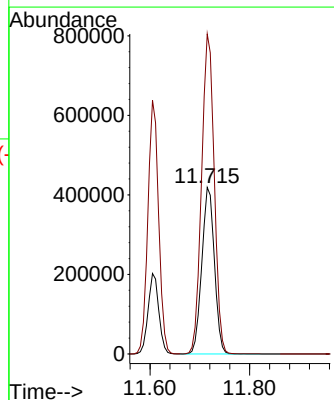
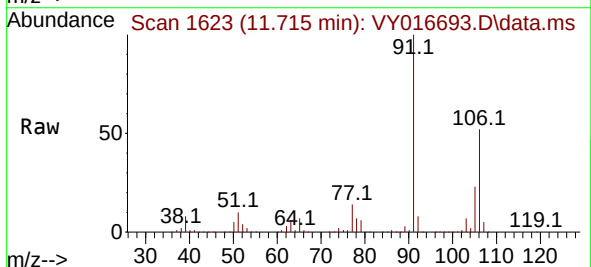
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

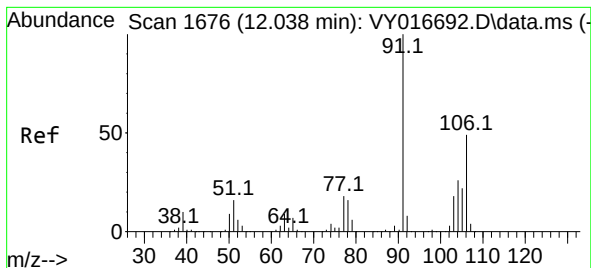
Tgt Ion: 91 Resp: 953452
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1



#68
m/p-Xylenes
Concen: 247.948 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion:106 Resp: 732782
Ion Ratio Lower Upper
106 100
91 193.6 156.2 234.2





#69

o-Xylene

Concen: 125.066 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

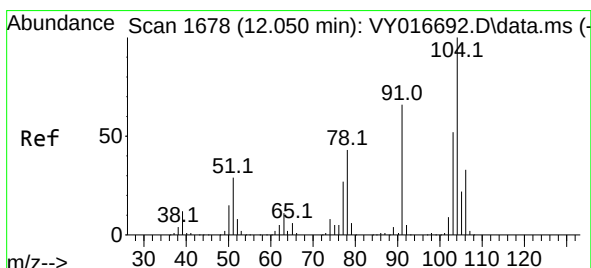
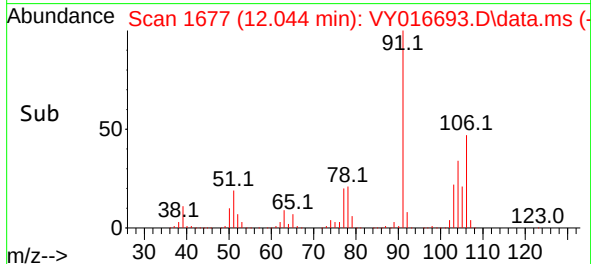
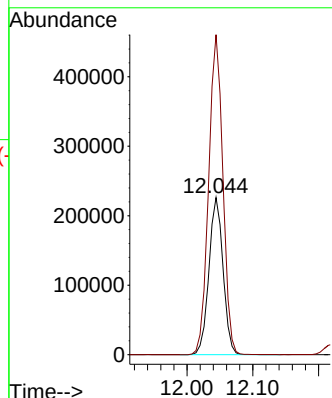
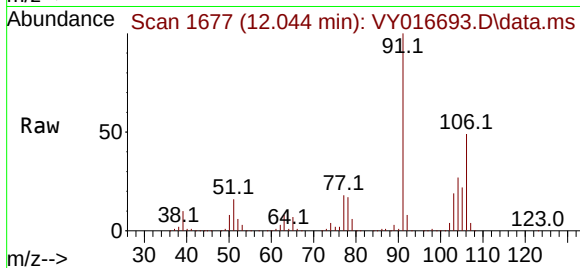
VSTDICC100

Tgt Ion:106 Resp: 337656

Ion Ratio Lower Upper

106 100

91 205.7 102.8 308.4



#70

Styrene

Concen: 127.205 ug/l

RT: 12.056 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

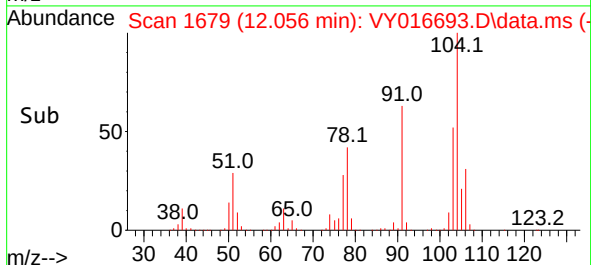
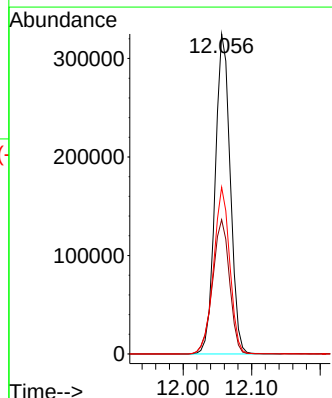
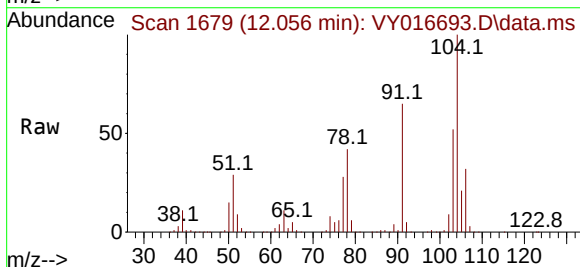
Tgt Ion:104 Resp: 495887

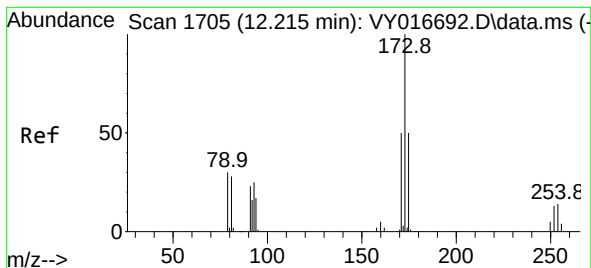
Ion Ratio Lower Upper

104 100

78 47.1 38.2 57.2

103 55.8 44.3 66.5





#71

Bromoform

Concen: 121.089 ug/l

RT: 12.221 min Scan# 1706

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

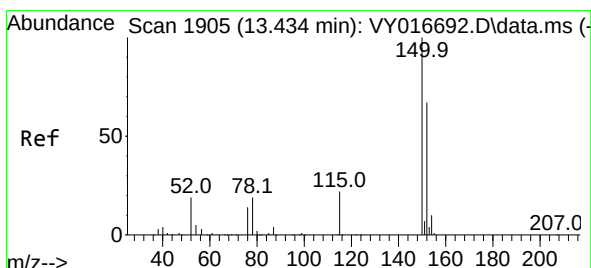
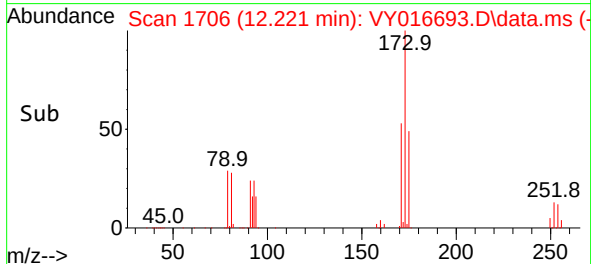
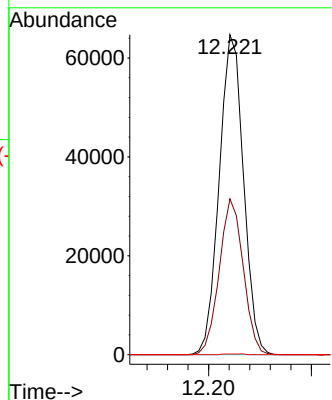
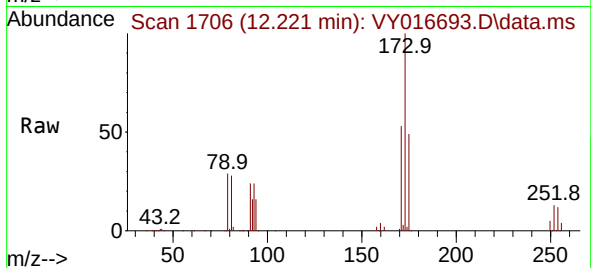
Tgt Ion:173 Resp: 106038

Ion Ratio Lower Upper

173 100

175 48.0 24.2 72.6

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

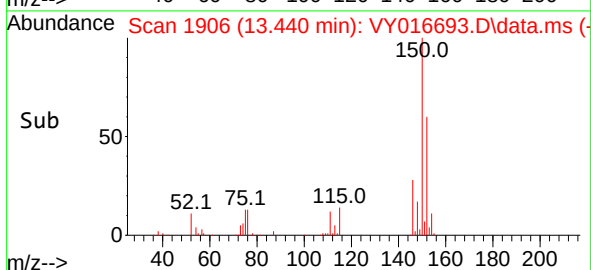
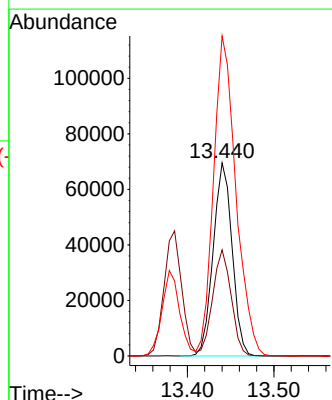
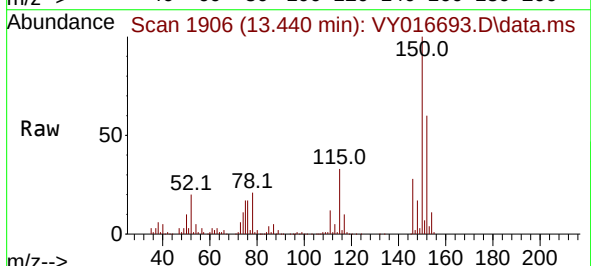
Tgt Ion:152 Resp: 105626

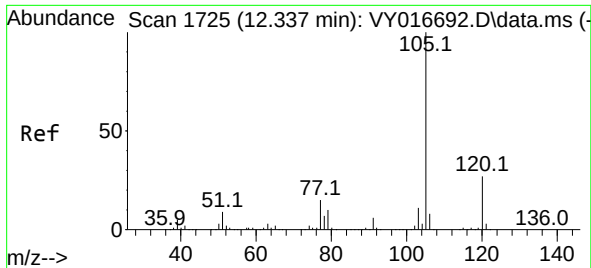
Ion Ratio Lower Upper

152 100

115 53.9 28.2 84.7

150 196.4 0.0 350.6

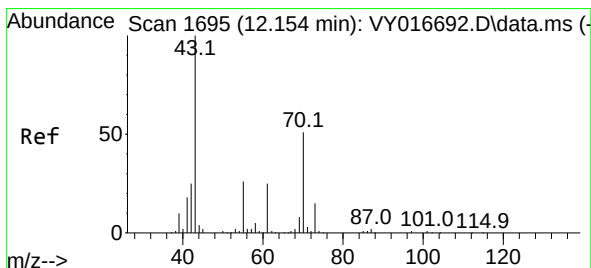
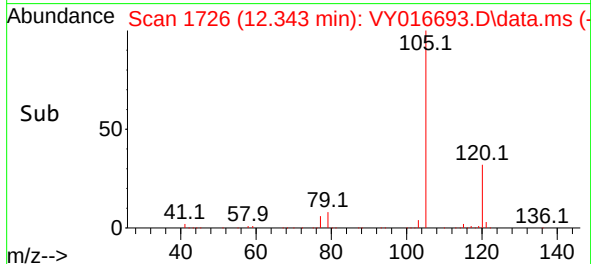
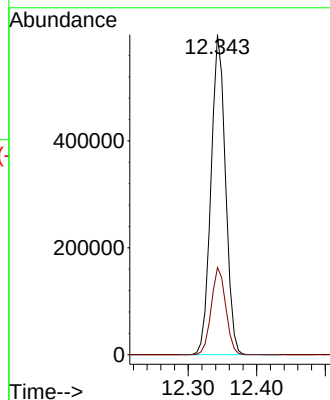
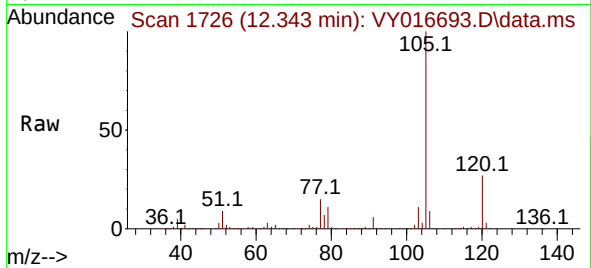




#73
Isopropylbenzene
Concen: 120.586 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

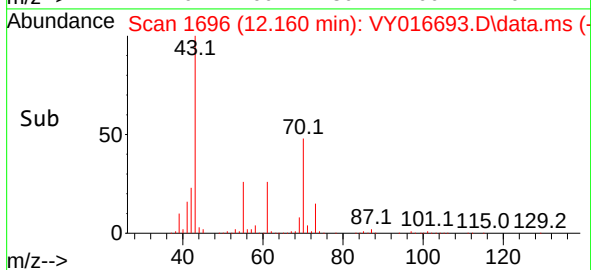
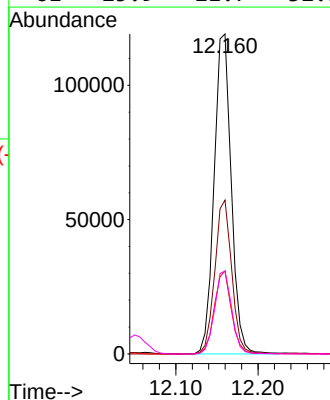
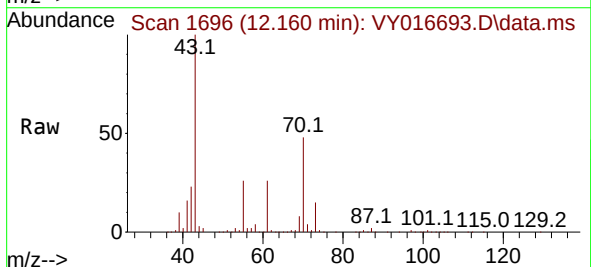
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

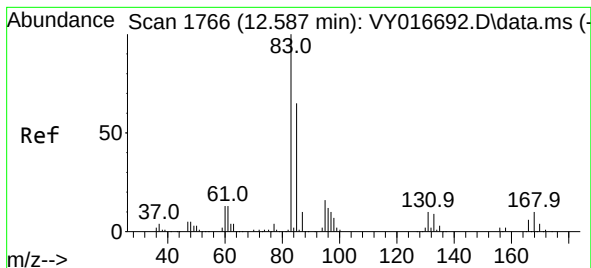
Tgt Ion:105 Resp: 880677
Ion Ratio Lower Upper
105 100
120 27.2 13.6 40.8



#74
N-ethyl acetate
Concen: 130.803 ug/l
RT: 12.160 min Scan# 1696
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 43 Resp: 172856
Ion Ratio Lower Upper
43 100
70 47.7 41.2 61.8
55 26.0 22.2 33.2
61 25.9 21.7 32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 118.574 ug/l

RT: 12.599 min Scan# 1768

Delta R.T. 0.012 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

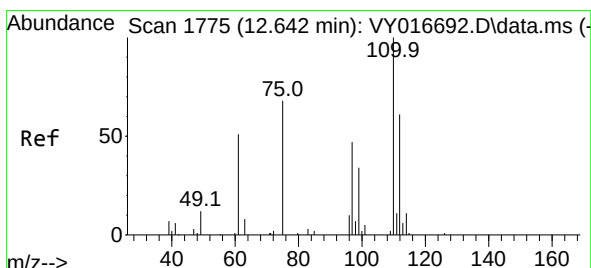
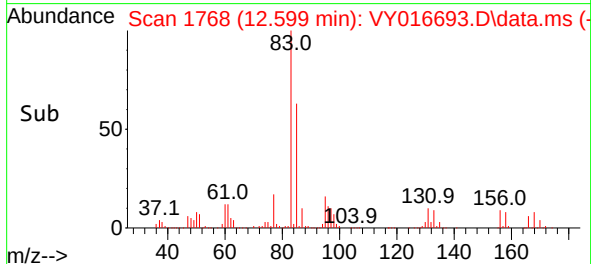
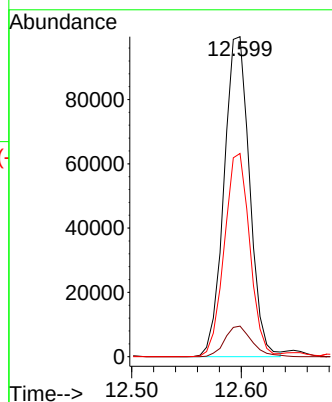
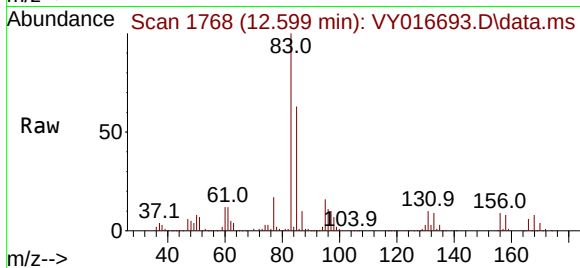
Tgt Ion: 83 Resp: 161134

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.4

85 63.4 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 214.635 ug/l

RT: 12.648 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VY016693.D

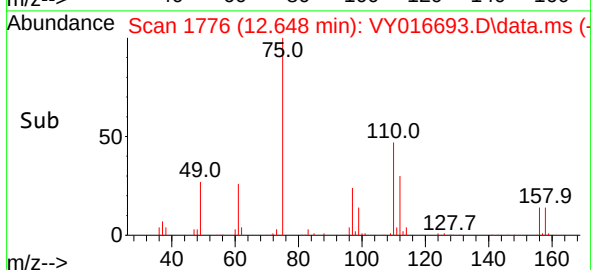
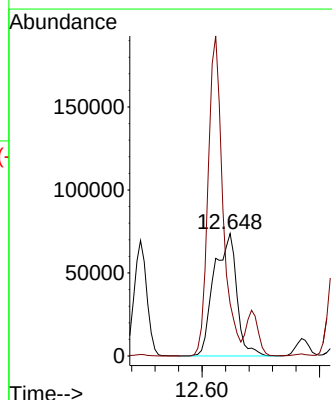
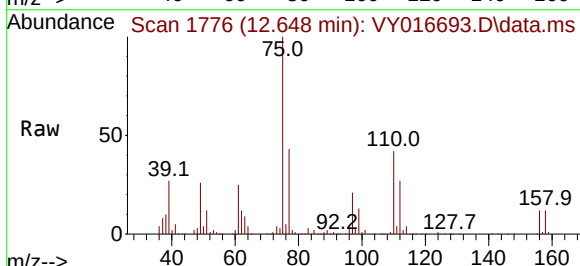
Acq: 19 Dec 2023 12:26

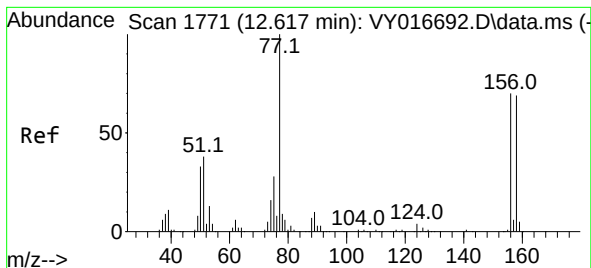
Tgt Ion: 75 Resp: 197070

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 119.247 ug/l

RT: 12.623 min Scan# 1771

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

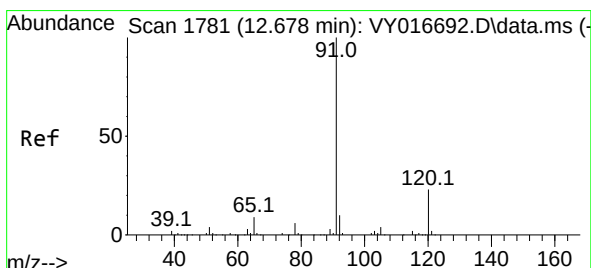
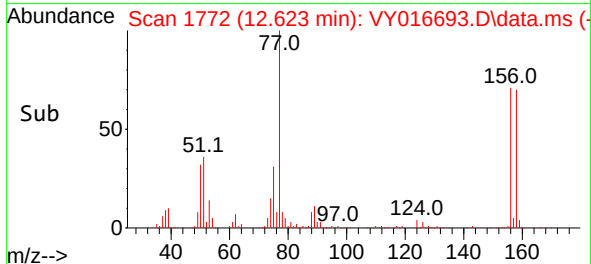
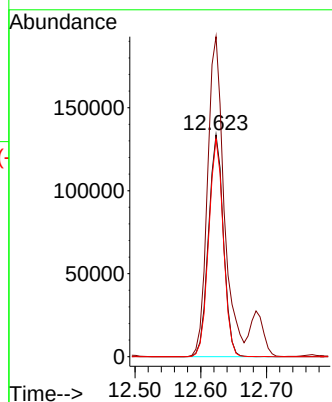
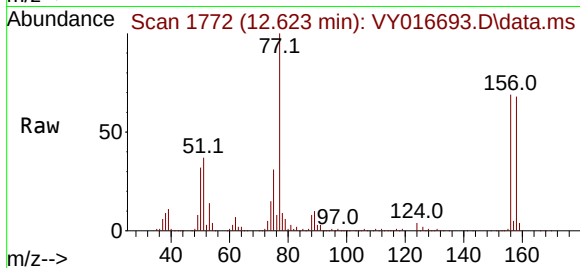
Tgt Ion:156 Resp: 209987

Ion Ratio Lower Upper

156 100

77 160.8 83.5 250.7

158 96.4 49.0 147.0



#78

n-propylbenzene

Concen: 119.069 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.006 min

Lab File: VY016693.D

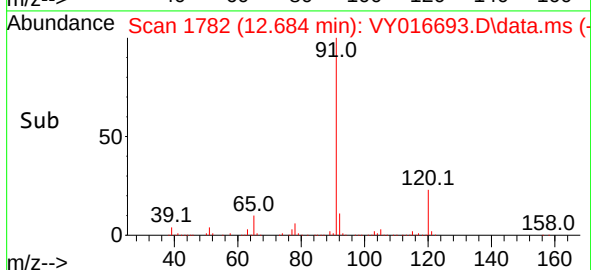
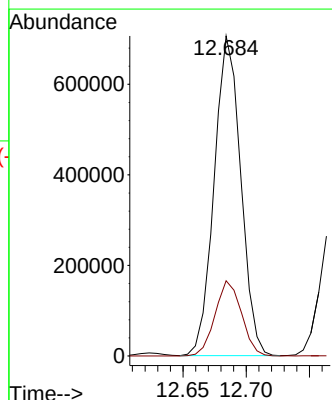
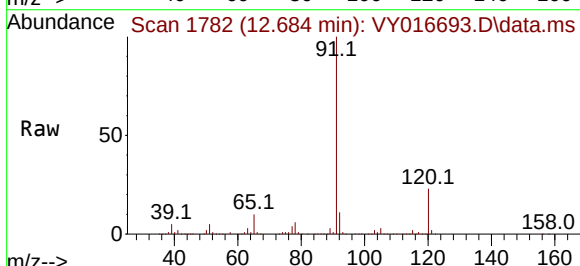
Acq: 19 Dec 2023 12:26

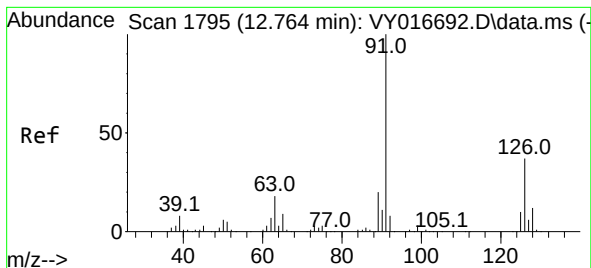
Tgt Ion: 91 Resp: 1030937

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.7





#79

2-Chlorotoluene

Concen: 117.745 ug/l

RT: 12.769 min Scan# 1795

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

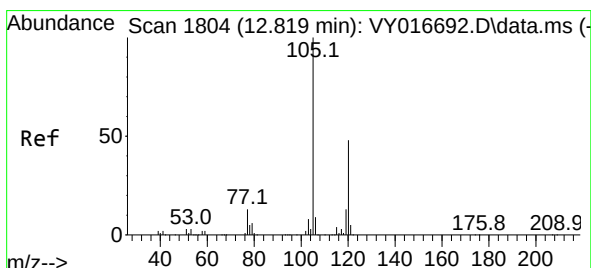
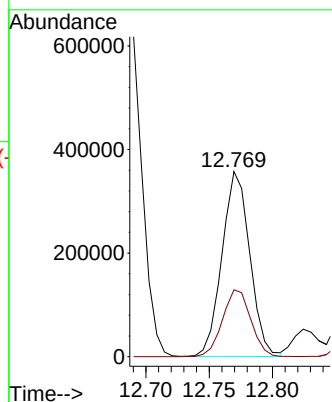
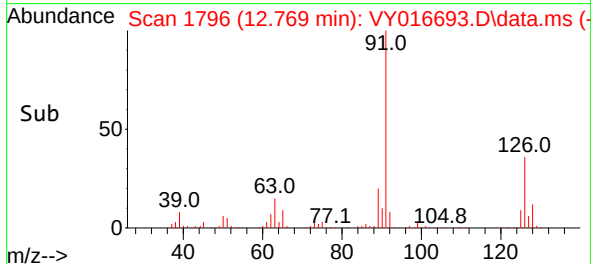
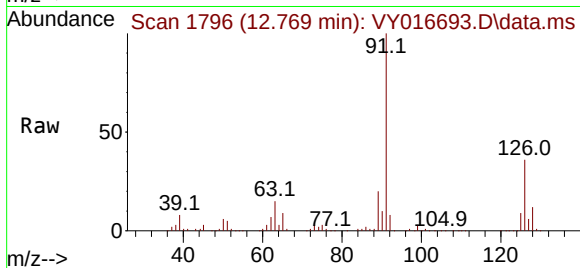
VSTDICC100

Tgt Ion: 91 Resp: 546084

Ion Ratio Lower Upper

91 100

126 36.9 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 121.772 ug/l

RT: 12.824 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY016693.D

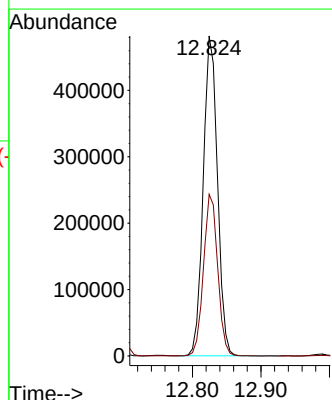
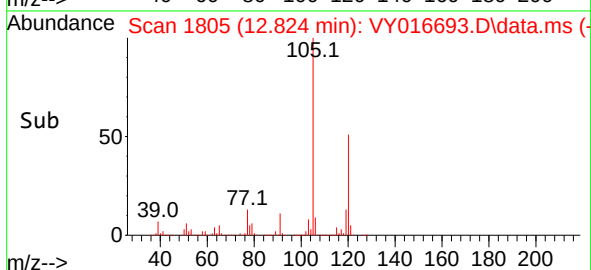
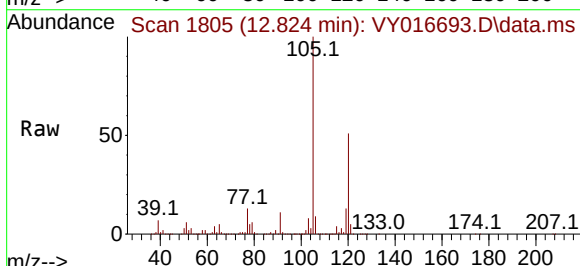
Acq: 19 Dec 2023 12:26

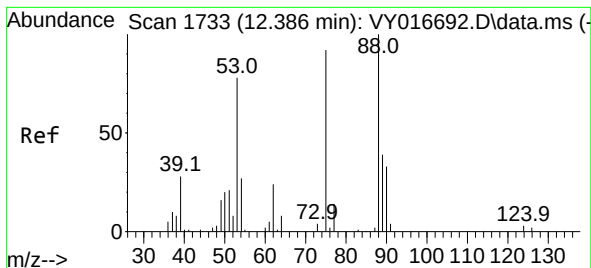
Tgt Ion:105 Resp: 696902

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6

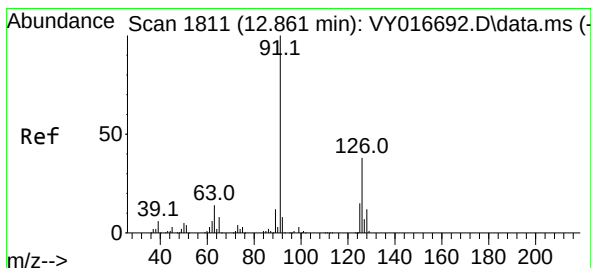
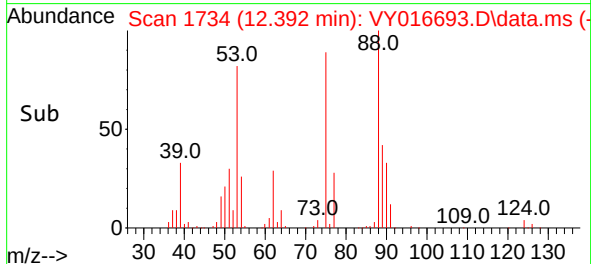
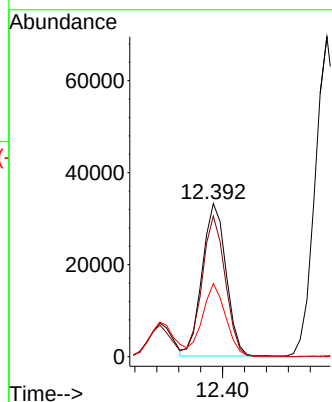
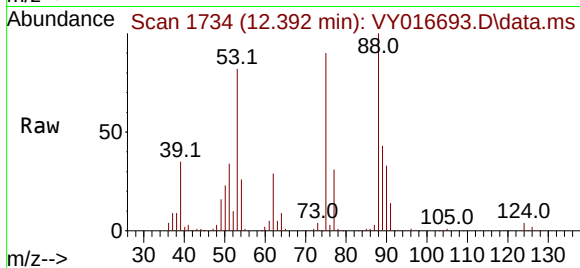




#81
trans-1,4-Dichloro-2-butene
Concen: 125.507 ug/l
RT: 12.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

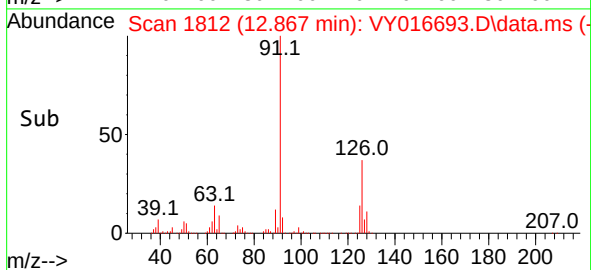
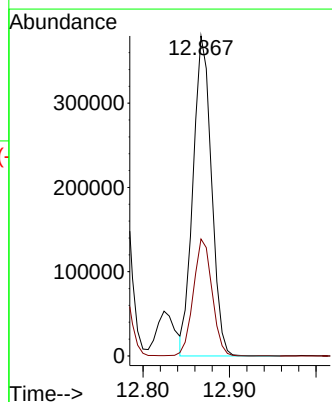
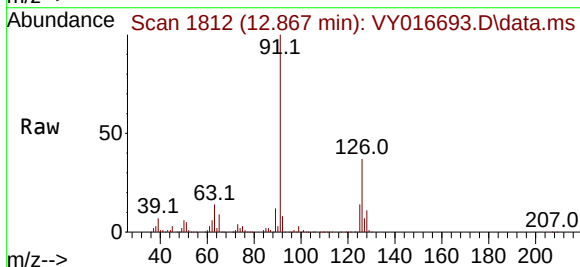
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

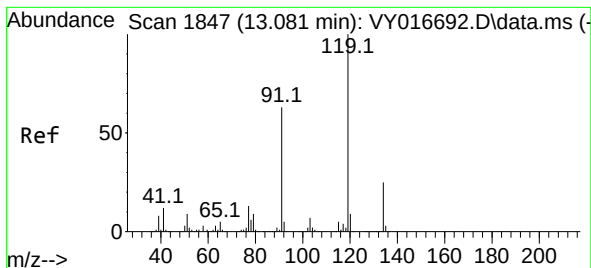
Tgt Ion: 75 Resp: 50225
Ion Ratio Lower Upper
75 100
53 90.8 62.9 94.3
89 46.6 35.8 53.8



#82
4-Chlorotoluene
Concen: 116.783 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VY016693.D
Acq: 19 Dec 2023 12:26

Tgt Ion: 91 Resp: 560064
Ion Ratio Lower Upper
91 100
126 37.2 18.0 54.0





#83

tert-Butylbenzene

Concen: 119.541 ug/l

RT: 13.086 min Scan# 1848

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

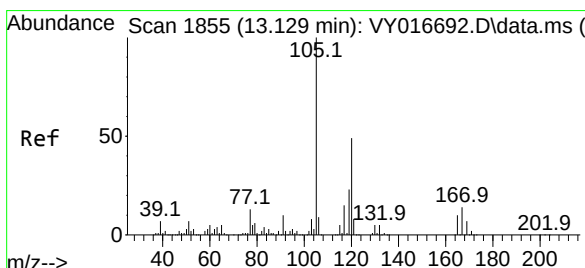
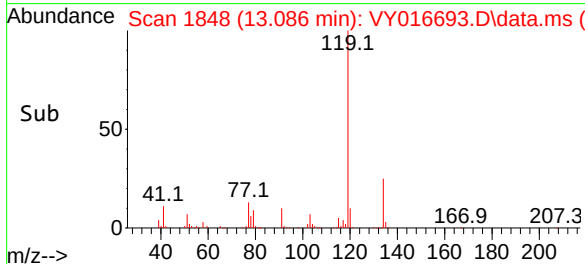
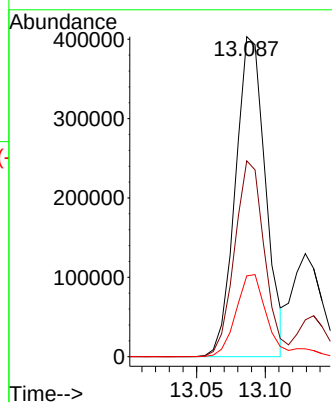
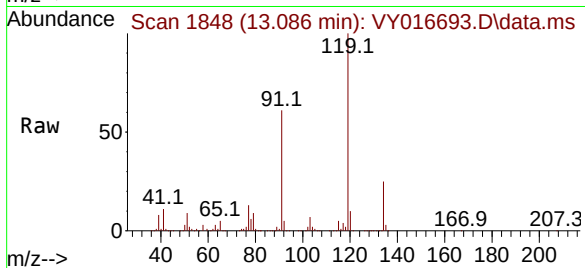
Tgt Ion:119 Resp: 615599

Ion Ratio Lower Upper

119 100

91 61.1 30.8 92.3

134 27.7 13.3 39.8



#84

1,2,4-Trimethylbenzene

Concen: 124.346 ug/l

RT: 13.135 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VY016693.D

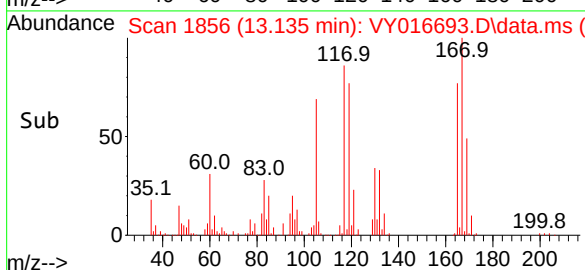
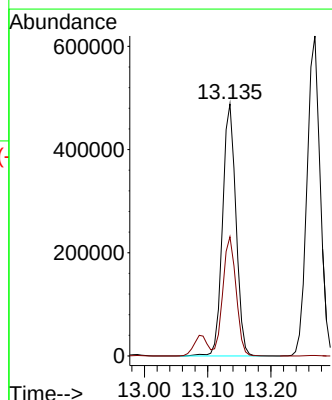
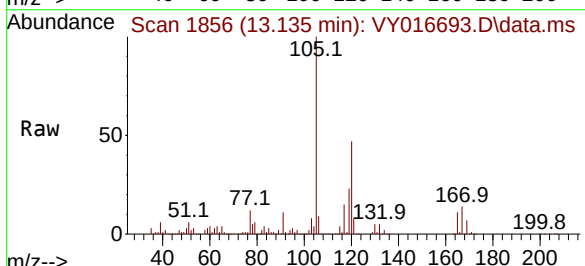
Acq: 19 Dec 2023 12:26

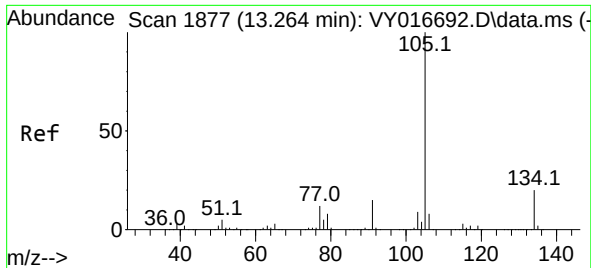
Tgt Ion:105 Resp: 713320

Ion Ratio Lower Upper

105 100

120 47.0 23.2 69.5

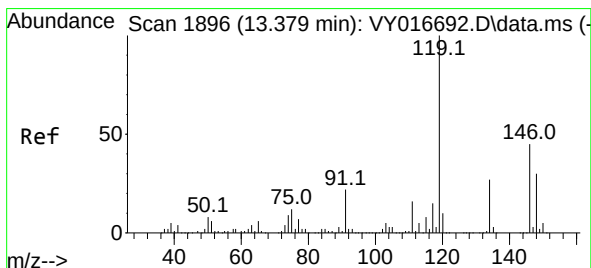
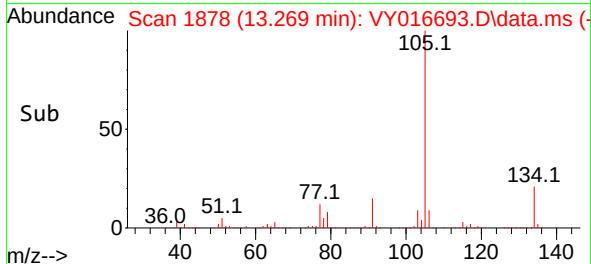
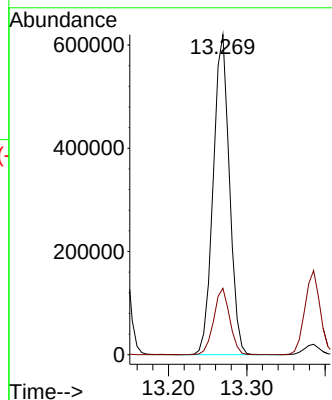
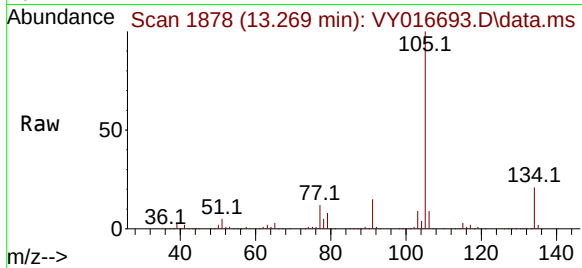




#85
 sec-Butylbenzene
 Concen: 119.783 ug/l
 RT: 13.269 min Scan# 1877
 Delta R.T. 0.006 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

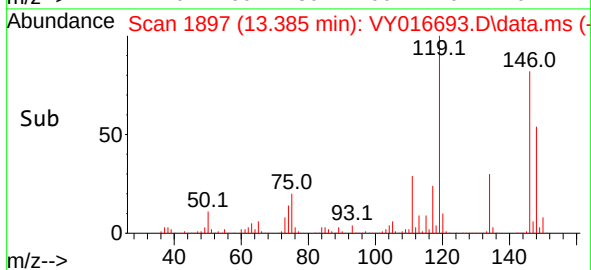
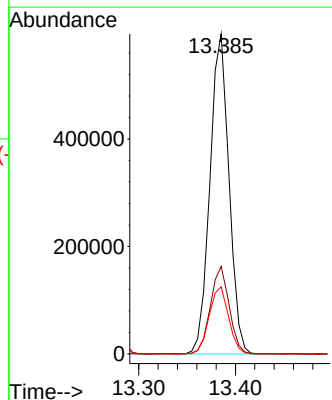
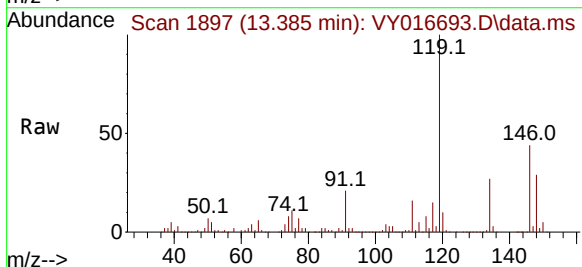
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

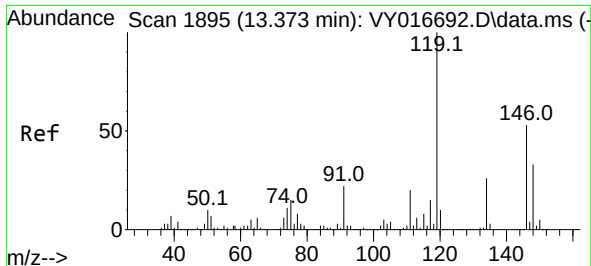
Tgt Ion:105 Resp: 889562
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 125.573 ug/l
 RT: 13.385 min Scan# 1897
 Delta R.T. 0.006 min
 Lab File: VY016693.D
 Acq: 19 Dec 2023 12:26

Tgt Ion:119 Resp: 815310
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 21.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 121.610 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

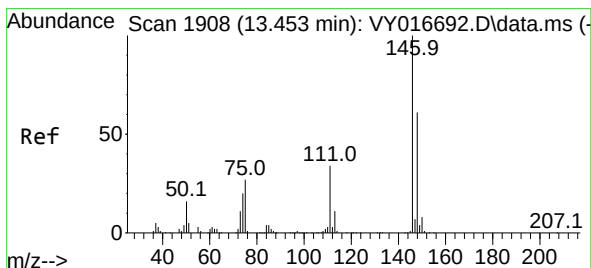
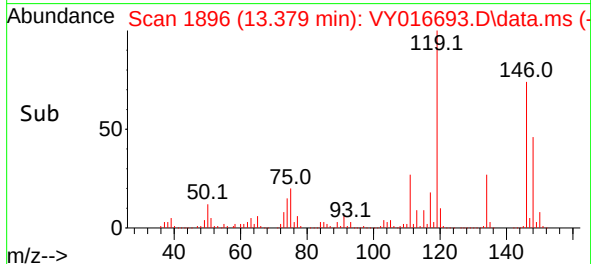
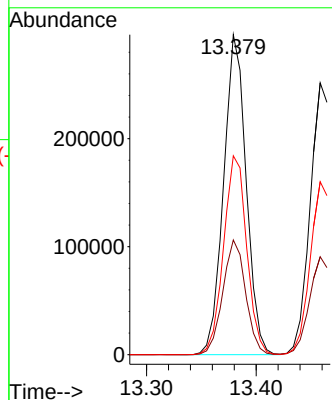
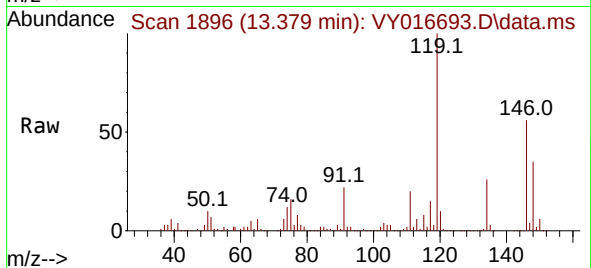
Tgt Ion:146 Resp: 423768

Ion Ratio Lower Upper

146 100

111 36.2 19.1 57.1

148 63.8 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 114.764 ug/l

RT: 13.458 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

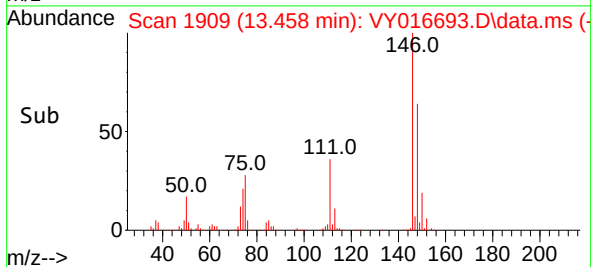
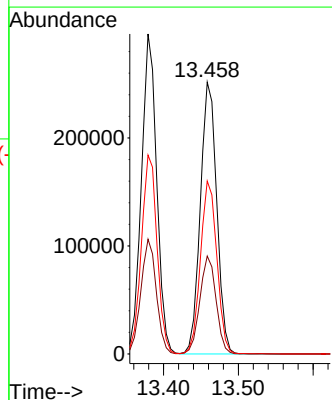
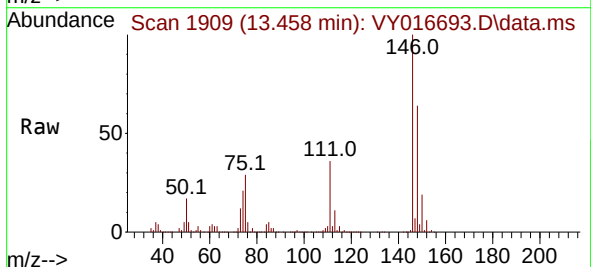
Tgt Ion:146 Resp: 383125

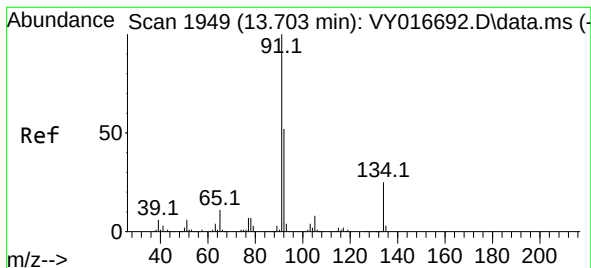
Ion Ratio Lower Upper

146 100

111 35.4 18.4 55.4

148 63.7 32.0 96.2





#89

n-Butylbenzene

Concen: 120.054 ug/l

RT: 13.708 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

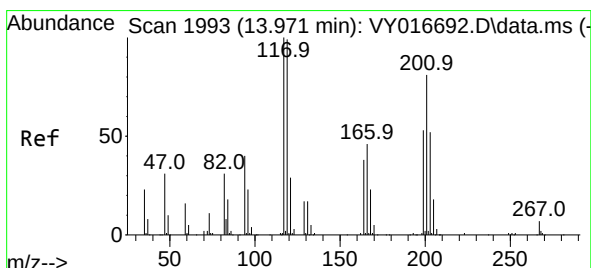
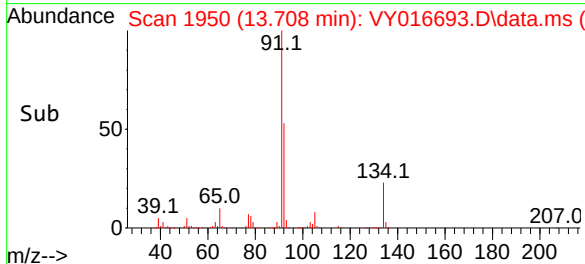
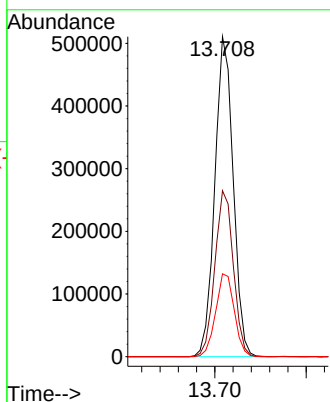
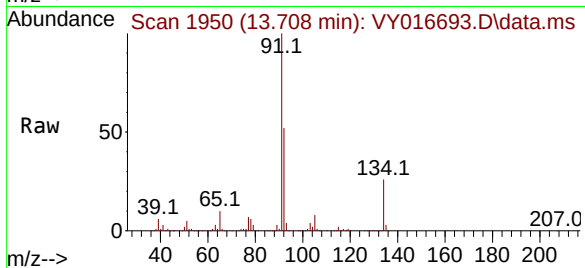
Tgt Ion: 91 Resp: 712554

Ion Ratio Lower Upper

91 100

92 52.3 26.5 79.5

134 26.4 13.7 41.1



#90

Hexachloroethane

Concen: 114.919 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY016693.D

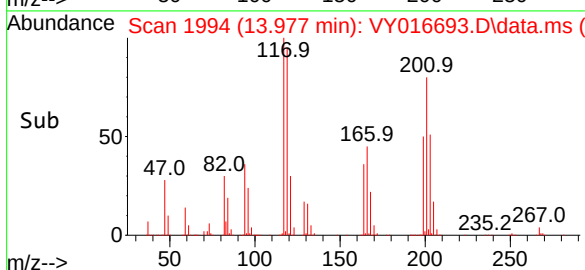
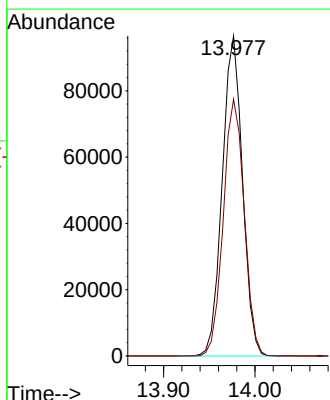
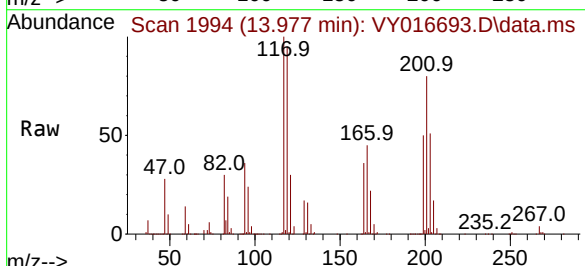
Acq: 19 Dec 2023 12:26

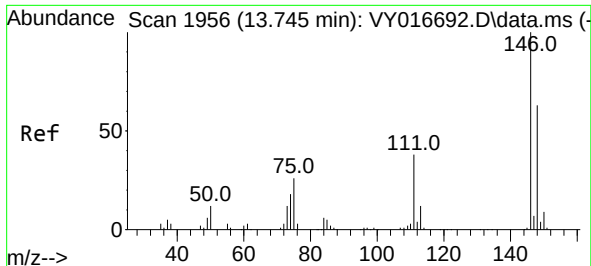
Tgt Ion: 117 Resp: 148702

Ion Ratio Lower Upper

117 100

201 82.8 41.5 124.5





#91

1,2-Dichlorobenzene

Concen: 117.330 ug/l

RT: 13.751 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

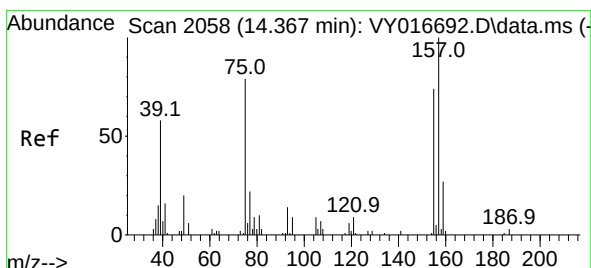
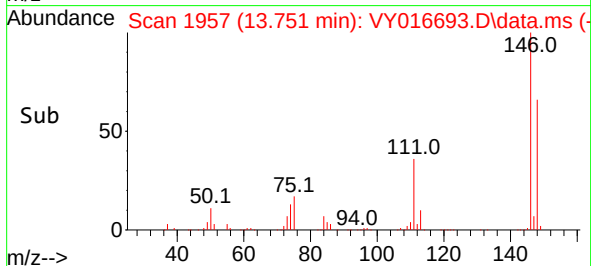
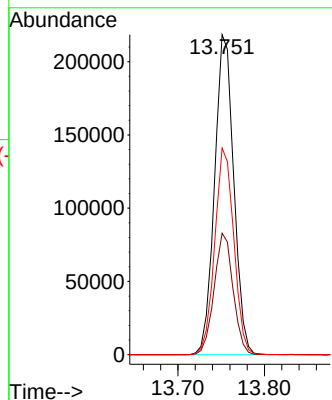
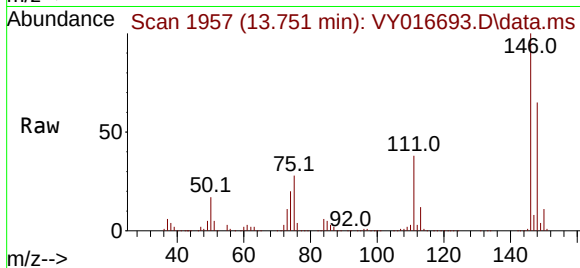
Tgt Ion:146 Resp: 335895

Ion Ratio Lower Upper

146 100

111 37.5 19.5 58.5

148 64.4 31.8 95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 119.499 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

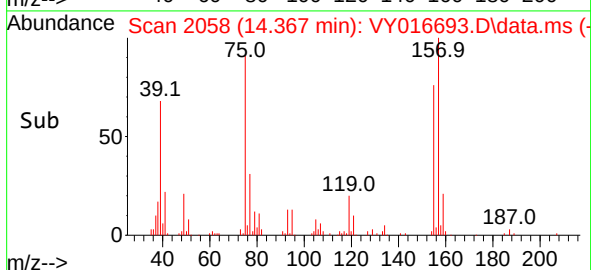
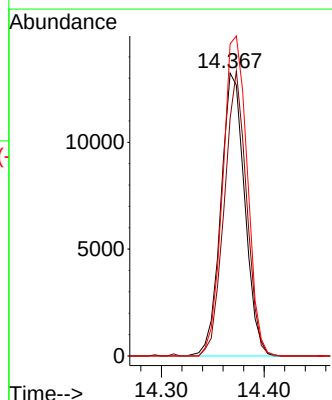
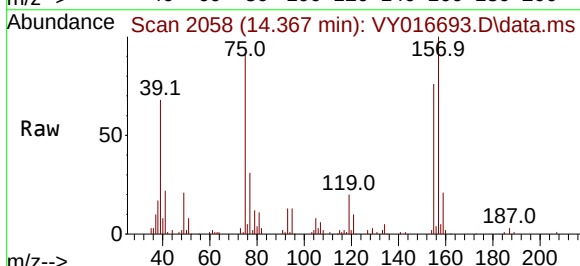
Tgt Ion: 75 Resp: 21292

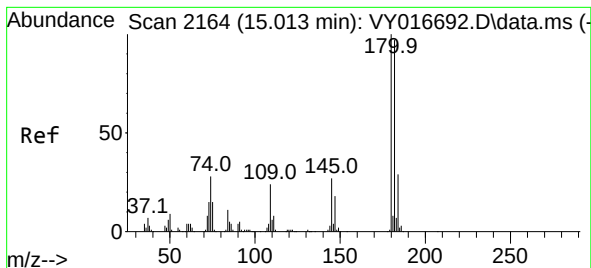
Ion Ratio Lower Upper

75 100

155 93.8 49.4 148.2

157 116.5 64.4 193.2





#93

1,2,4-Trichlorobenzene

Concen: 121.565 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

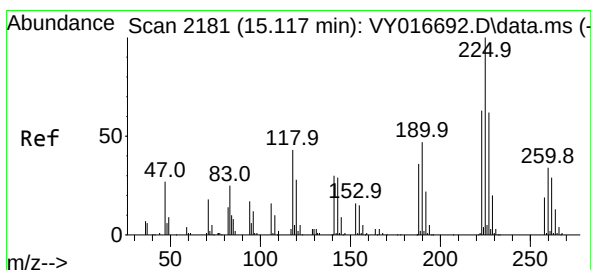
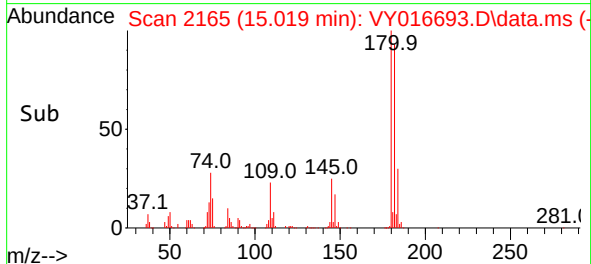
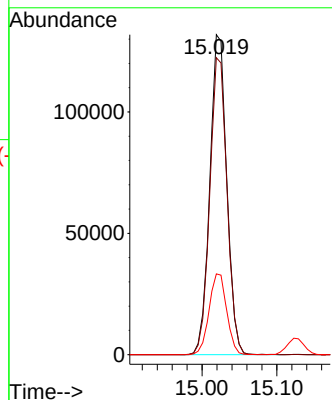
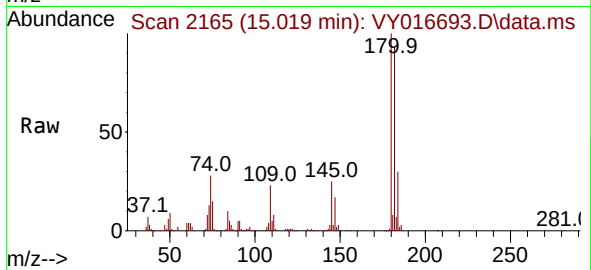
Tgt Ion:180 Resp: 208029

Ion Ratio Lower Upper

180 100

182 94.3 47.6 142.9

145 26.2 14.8 44.4



#94

Hexachlorobutadiene

Concen: 112.110 ug/l

RT: 15.129 min Scan# 2183

Delta R.T. 0.012 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

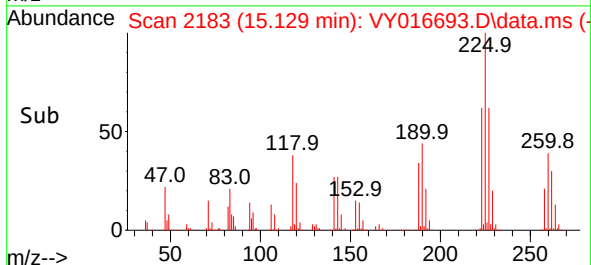
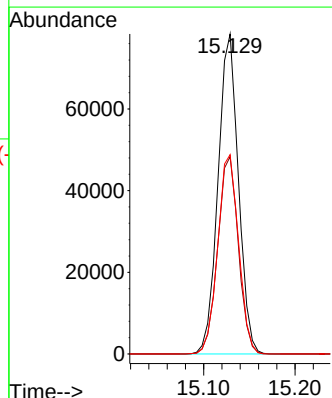
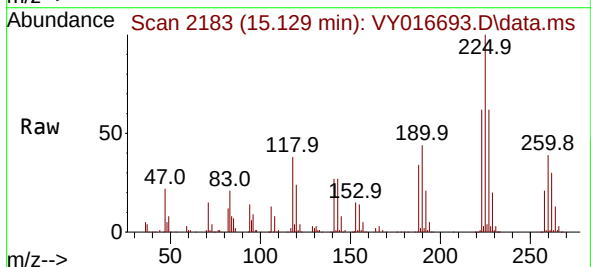
Tgt Ion:225 Resp: 121255

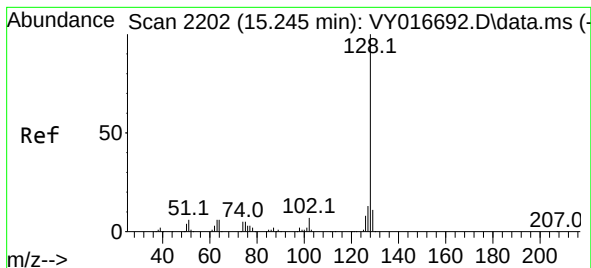
Ion Ratio Lower Upper

225 100

223 62.4 31.4 94.2

227 63.8 31.9 95.9





#95

Naphthalene

Concen: 132.293 ug/l

RT: 15.251 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

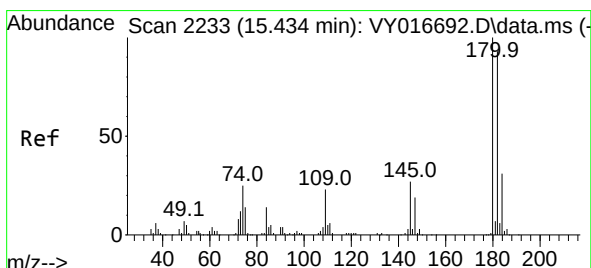
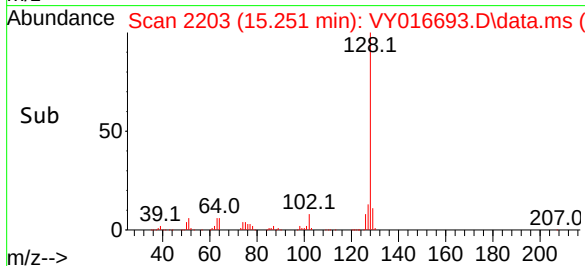
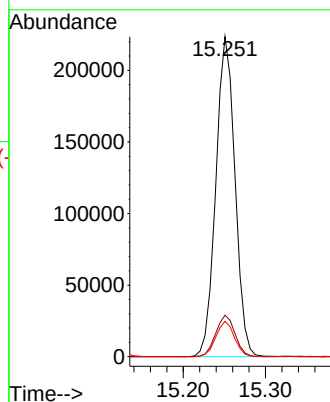
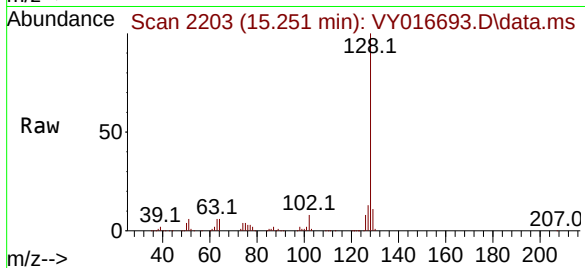
Tgt Ion:128 Resp: 362393

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 10.7 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 119.972 ug/l

RT: 15.440 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY016693.D

Acq: 19 Dec 2023 12:26

Tgt Ion:180 Resp: 173647

Ion Ratio Lower Upper

180 100

182 95.2 47.3 141.8

145 28.2 15.5 46.5

