

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035154.D
 Acq On : 19 Apr 2023 03:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050629

Quant Time: Apr 19 04:01:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 19 01:27:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	482495	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	417140	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	203014	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	155245	49.900	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.800%
7) Chloroethane-d5	1.673	69	115953	51.579	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.160%
11) 1,1-Dichloroethene-d2	2.307	65	75522	50.733	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.460%
21) 2-Butanone-d5	4.459	46	220294	106.255	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.260%
24) Chloroform-d	5.056	84	308278	52.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.240%
26) 1,2-Dichloroethane-d4	5.958	65	191592	50.923	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.840%
32) Benzene-d6	5.971	84	633377	52.857	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.720%
36) 1,2-Dichloropropane-d6	7.306	67	194237	53.065	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.140%
41) Toluene-d8	8.647	98	574598	52.468	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.940%
43) trans-1,3-Dichloroprop...	8.952	79	82573	51.620	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.240%
47) 2-Hexanone-d5	9.385	63	158583	107.888	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.890%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	240476	53.645	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.300%
66) 1,2-Dichlorobenzene-d4	12.317	152	204531	51.988	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	179549	49.652	ug/L	99
3) Chloromethane	1.295	50	162903	49.501	ug/L	100
5) Vinyl chloride	1.374	62	169665	49.681	ug/L	97
6) Bromomethane	1.618	94	79134	39.015	ug/L	98
8) Chloroethane	1.691	64	97076	50.968	ug/L	100
9) Trichlorofluoromethane	1.892	101	232048	50.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	157590	49.880	ug/L	99
12) 1,1-Dichloroethene	2.319	96	144855	50.252	ug/L	89
13) Acetone	2.392	43	143202	93.128	ug/L	100
14) Carbon disulfide	2.514	76	360714	50.648	ug/L	100
15) Methyl Acetate	2.703	43	164245	49.863	ug/L	99
16) Methylene chloride	2.788	84	163778	51.027	ug/L	95
17) trans-1,2-Dichloroethene	3.093	96	149206	50.267	ug/L	99
18) Methyl tert-butyl Ether	3.111	73	519743	50.631	ug/L	100
19) 1,1-Dichloroethane	3.611	63	289986	50.680	ug/L	99
20) cis-1,2-Dichloroethene	4.489	96	175067	50.446	ug/L	97
22) 2-Butanone	4.562	43	230997	97.870	ug/L	98
23) Bromochloromethane	4.904	128	87932	51.158	ug/L	96
25) Chloroform	5.093	83	294066	50.689	ug/L	99

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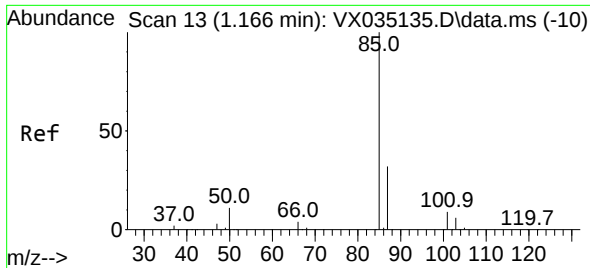
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 Quant Title : VOC Analysis
 QLast Update : Wed Apr 19 01:27:01 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	236641	50.928	ug/L	100
29) Cyclohexane	5.471	56	254983	50.590	ug/L	99
30) 1,1,1-Trichloroethane	5.385	97	249100	50.916	ug/L	99
31) Carbon tetrachloride	5.678	117	212200	51.151	ug/L	100
33) Benzene	6.038	78	654808	51.835	ug/L	100
34) Trichloroethene	7.123	95	168879	50.256	ug/L	99
35) Methylcyclohexane	7.379	83	226961	50.151	ug/L	100
37) 1,2-Dichloropropane	7.428	63	171859	51.673	ug/L	100
38) Bromodichloromethane	7.824	83	202238	51.464	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	252775	50.829	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	448028	102.189	ug/L	100
42) Toluene	8.720	91	678501	51.769	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	231341	51.628	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	163371	51.765	ug/L	99
46) Tetrachloroethene	9.275	164	126905	50.698	ug/L	99
48) 2-Hexanone	9.433	43	333509	100.190	ug/L	99
49) Dibromochloromethane	9.519	129	157221	52.419	ug/L	99
50) 1,2-Dibromoethane	9.610	107	171848	52.330	ug/L	99
51) Chlorobenzene	10.080	112	475359	55.052	ug/L	100
52) Ethylbenzene	10.195	91	749457	51.729	ug/L	100
53) m,p-Xylene	10.299	106	287633	51.845	ug/L	98
54) o-Xylene	10.640	106	283913	52.051	ug/L	98
55) Styrene	10.653	104	487933	52.798	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	242763	52.193	ug/L	100
59) Bromoform	10.799	173	106132	50.785	ug/L	99
60) Isopropylbenzene	10.964	105	707244	51.234	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	190165	50.735	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	580226	51.397	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	578422	51.528	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	325065	51.631	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	351707	54.593	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	368016	57.649	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	47151	50.981	ug/L	98
69) 1,3,5-Trichlorobenzene	13.109	180	195073	50.119	ug/L	100
70) 1,2,4-trichlorobenzene	13.585	180	222274	60.989	ug/L	99
71) Naphthalene	13.774	128	666308	51.326	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	189987	52.805	ug/L	99

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

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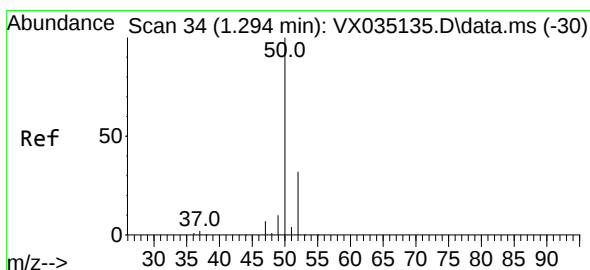
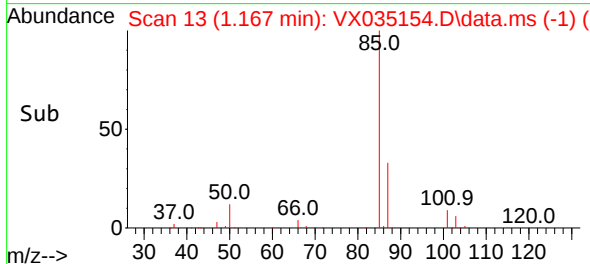
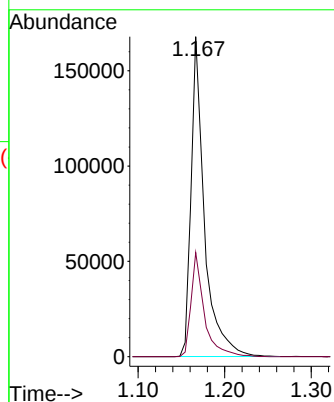
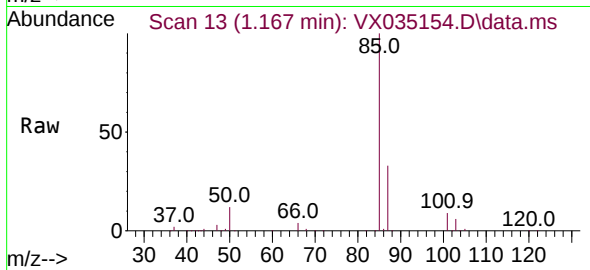




#2
 Dichlorodifluoromethane
 Concen: 49.652 ug/L
 RT: 1.167 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035154.D
 Acq: 19 Apr 2023 03:38

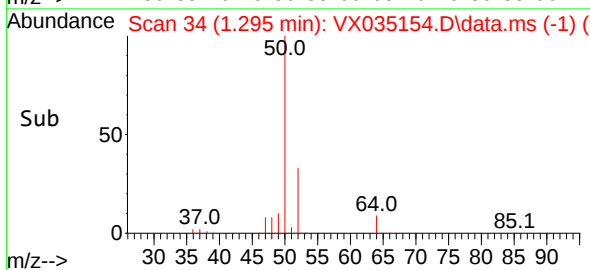
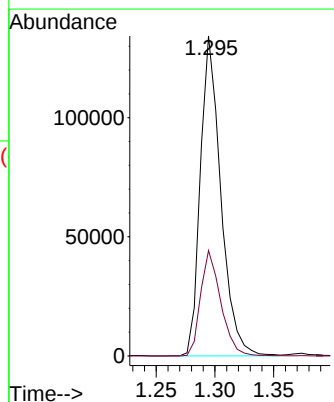
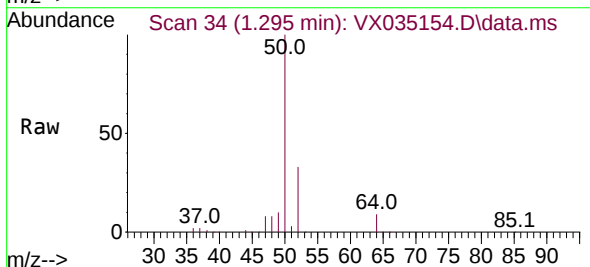
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050629

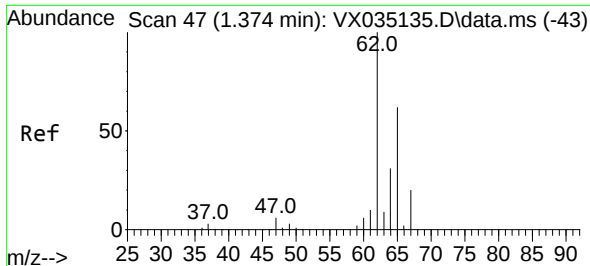
Tgt Ion: 85 Resp: 179549
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.2 39.4



#3
 Chloromethane
 Concen: 49.501 ug/L
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX035154.D
 Acq: 19 Apr 2023 03:38

Tgt Ion: 50 Resp: 162903
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.0 42.6

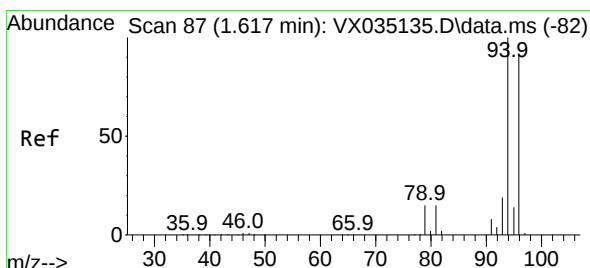
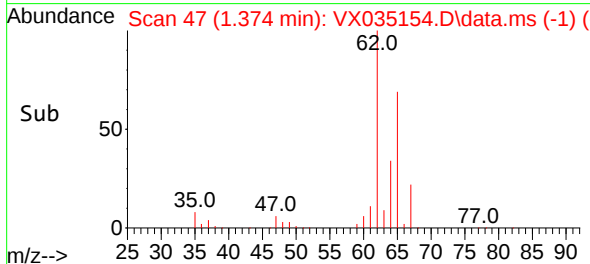
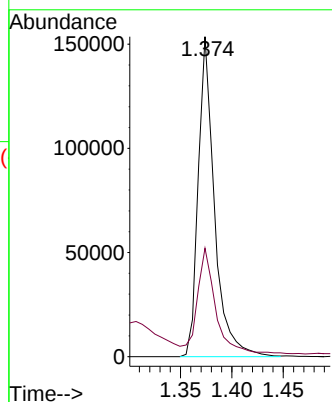
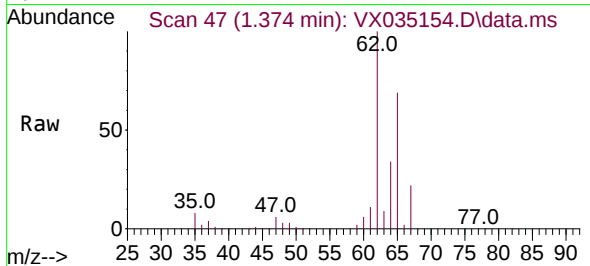




#5
 Vinyl chloride
 Concen: 49.681 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX035154.D
 Acq: 19 Apr 2023 03:38

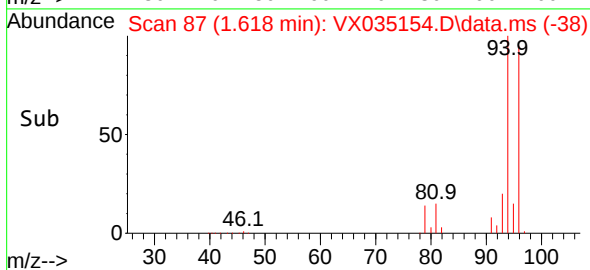
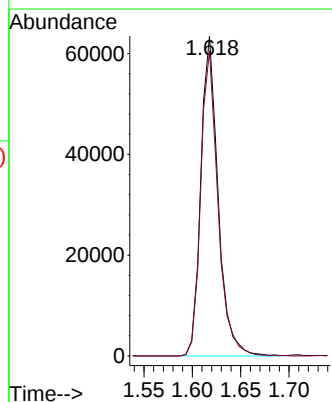
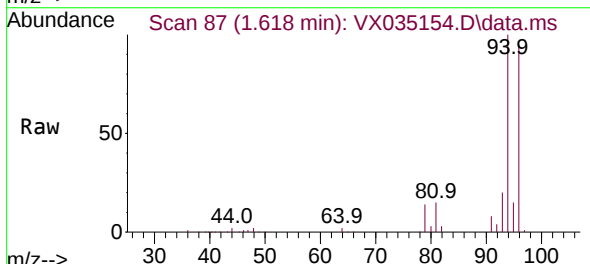
Instrument :
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 ClientSampleId :
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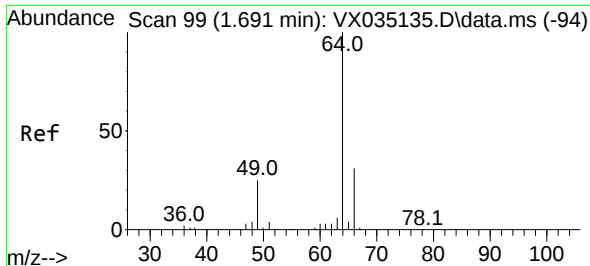
Tgt Ion: 62 Resp: 169665
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.5 41.7



#6
 Bromomethane
 Concen: 39.015 ug/L
 RT: 1.618 min Scan# 87
 Delta R.T. 0.000 min
 Lab File: VX035154.D
 Acq: 19 Apr 2023 03:38

Tgt Ion: 94 Resp: 79134
 Ion Ratio Lower Upper
 94 100
 96 95.4 65.7 121.9

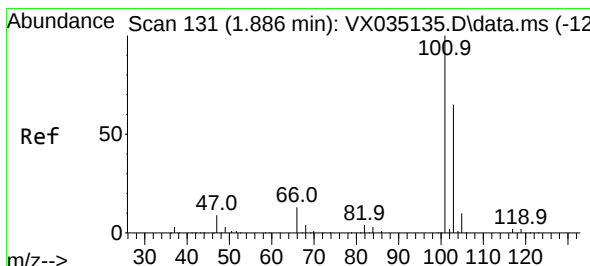
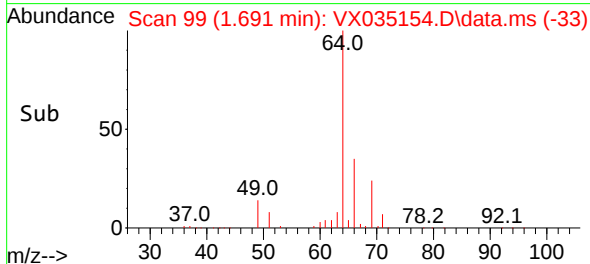
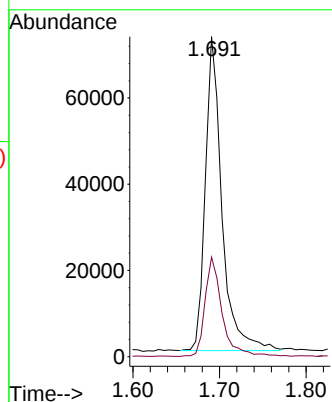
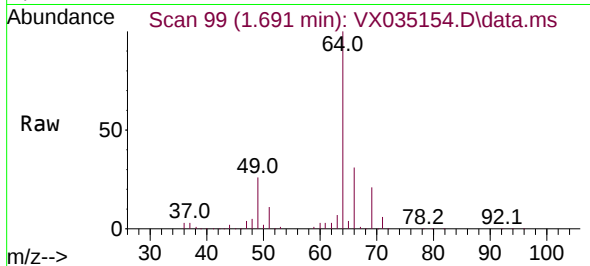




#8
Chloroethane
Concen: 50.968 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

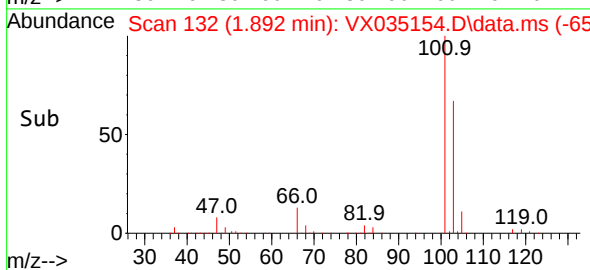
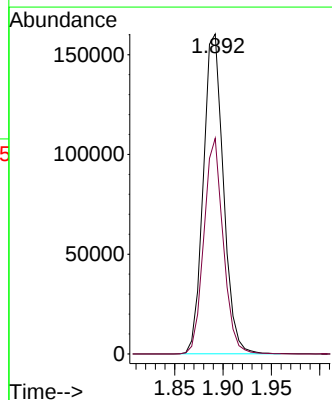
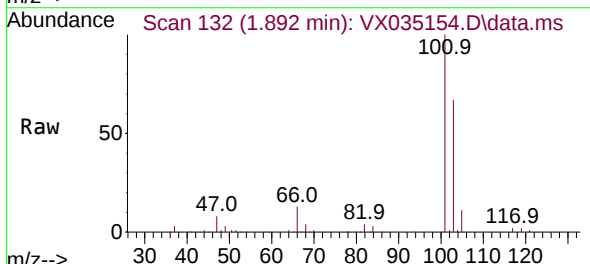
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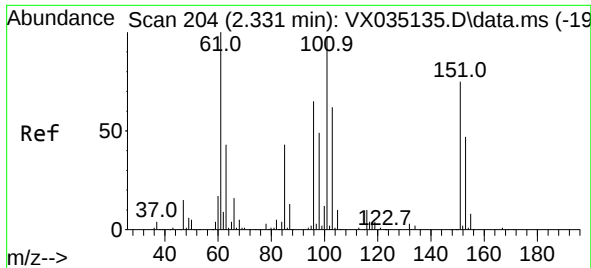
Tgt Ion: 64 Resp: 97076
Ion Ratio Lower Upper
64 100
66 31.1 21.9 40.7



#9
Trichlorofluoromethane
Concen: 50.177 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 101 Resp: 232048
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5

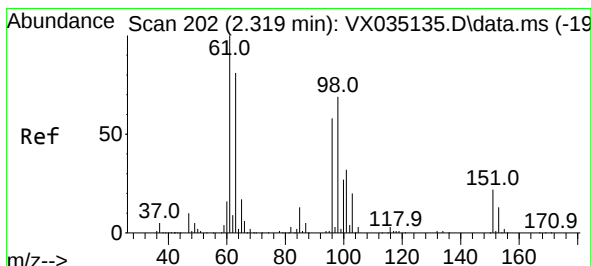
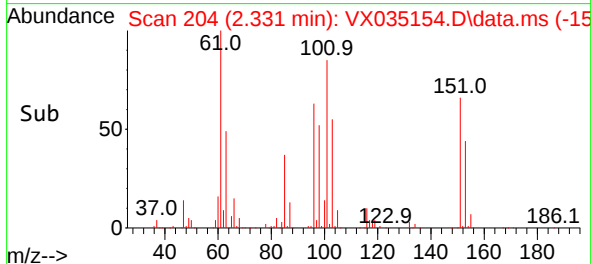
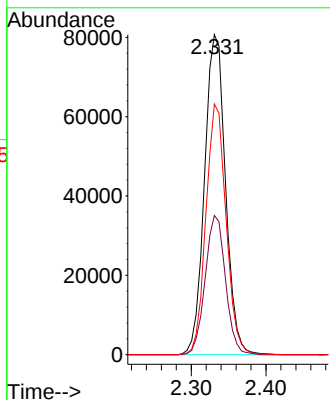
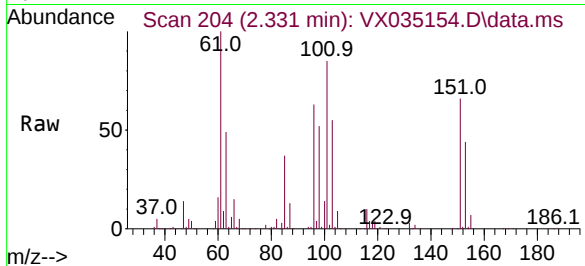




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.880 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX035154.D
 Acq: 19 Apr 2023 03:38

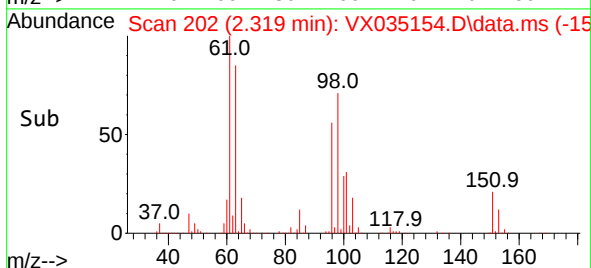
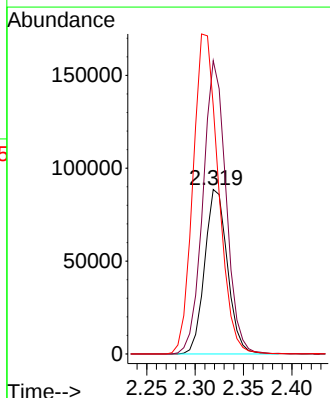
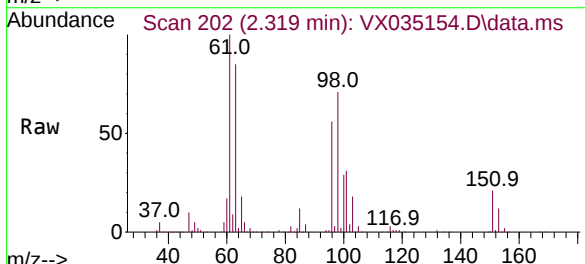
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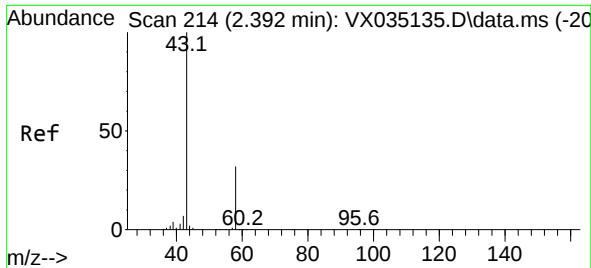
Tgt Ion:101 Resp: 157590
 Ion Ratio Lower Upper
 101 100
 85 42.0 34.2 51.2
 151 75.2 61.1 91.7



#12
 1,1-Dichloroethene
 Concen: 50.252 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX035154.D
 Acq: 19 Apr 2023 03:38

Tgt Ion: 96 Resp: 144855
 Ion Ratio Lower Upper
 96 100
 61 178.4 119.0 221.0
 63 151.0 91.0 169.0





#13

Acetone

Concen: 93.128 ug/L

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

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Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

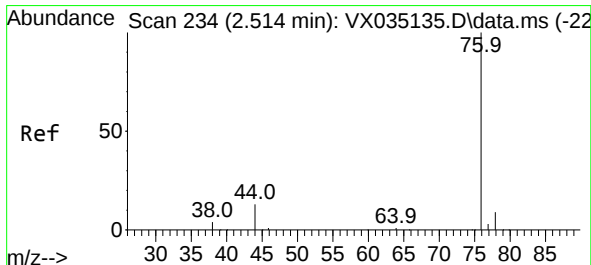
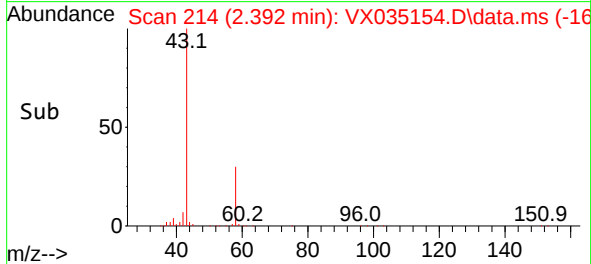
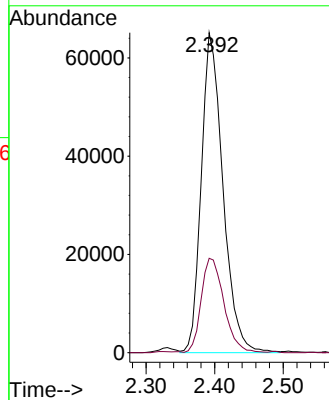
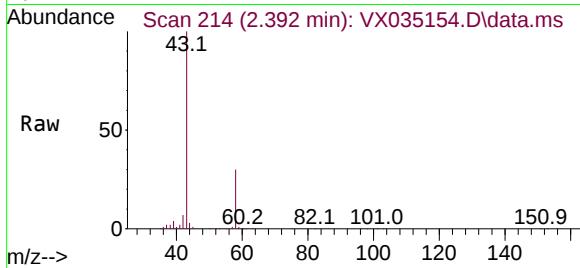
VSTD050629

Tgt Ion: 43 Resp: 143202

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.0



#14

Carbon disulfide

Concen: 50.648 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX035154.D

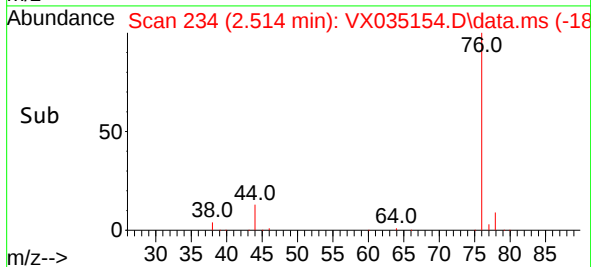
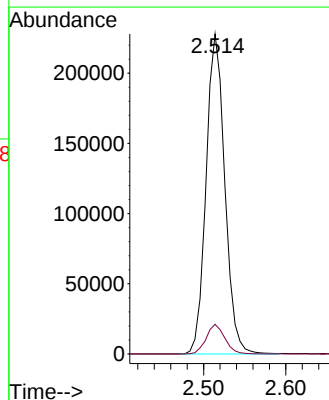
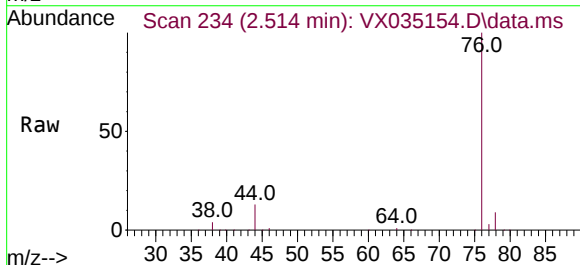
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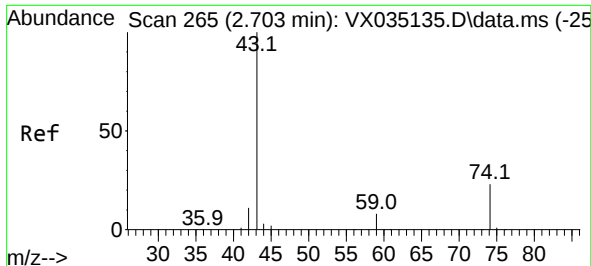
Tgt Ion: 76 Resp: 360714

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

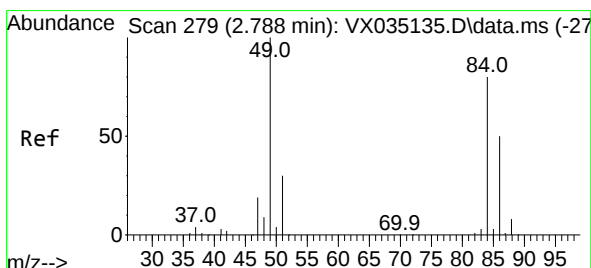
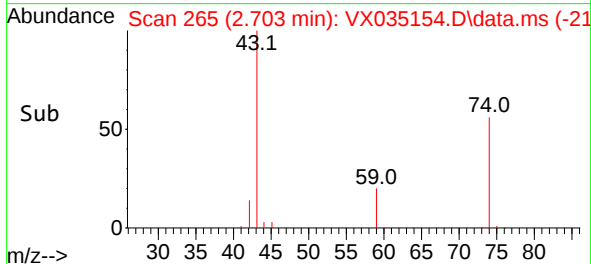
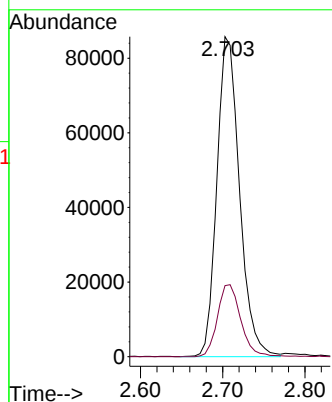
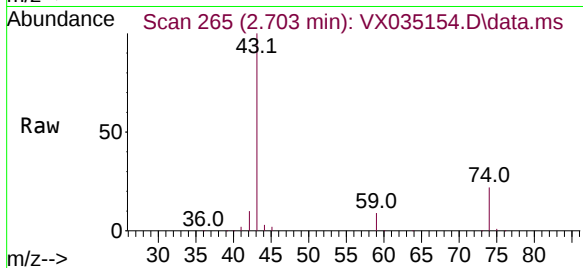




#15
Methyl Acetate
Concen: 49.863 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

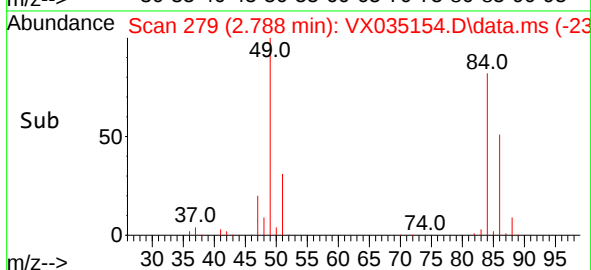
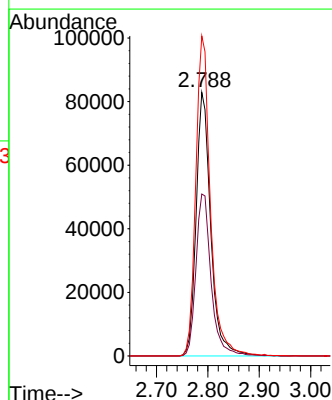
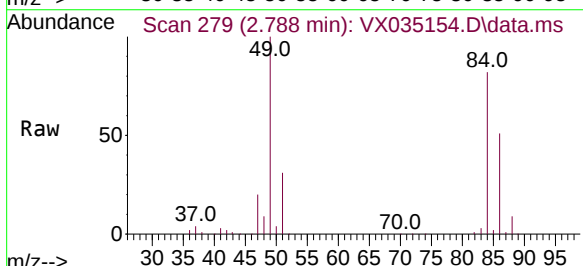
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

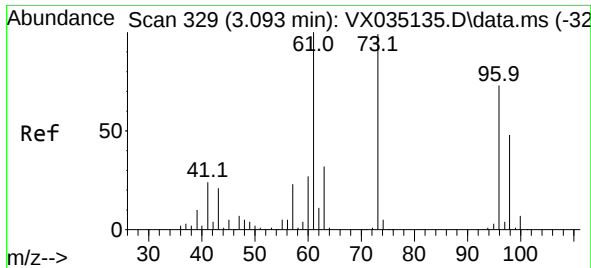
Tgt Ion: 43 Resp: 164245
Ion Ratio Lower Upper
43 100
74 23.2 18.2 27.4



#16
Methylene chloride
Concen: 51.027 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 84 Resp: 163778
Ion Ratio Lower Upper
84 100
86 61.4 45.8 85.0
49 121.4 88.7 164.7

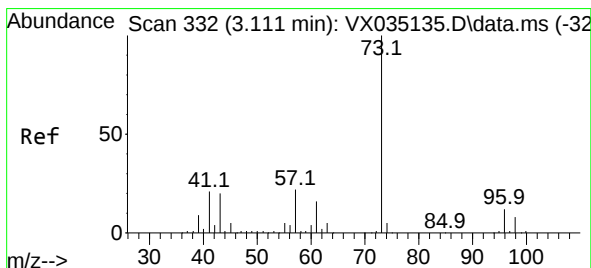
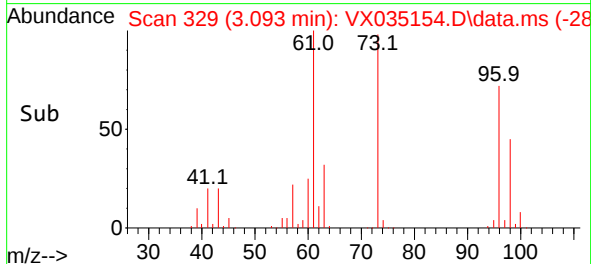
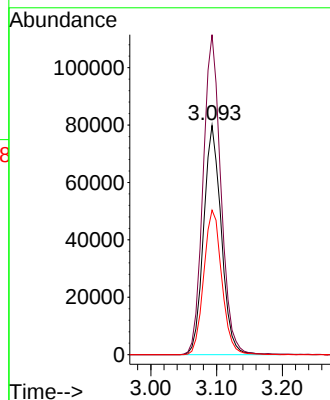
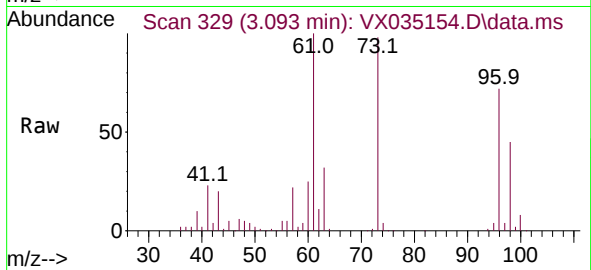




#17
trans-1,2-Dichloroethene
Concen: 50.267 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

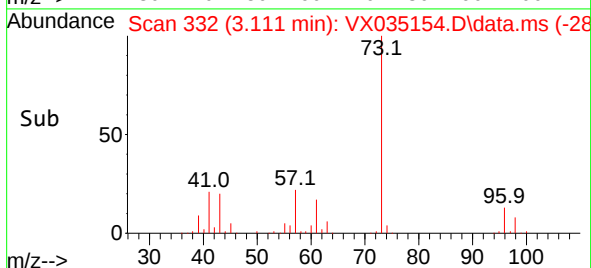
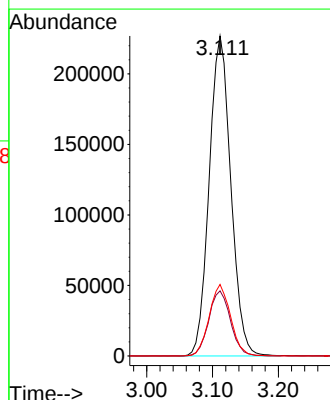
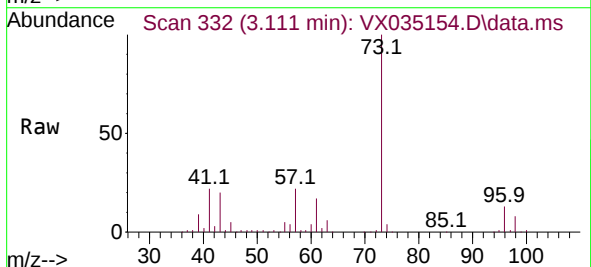
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

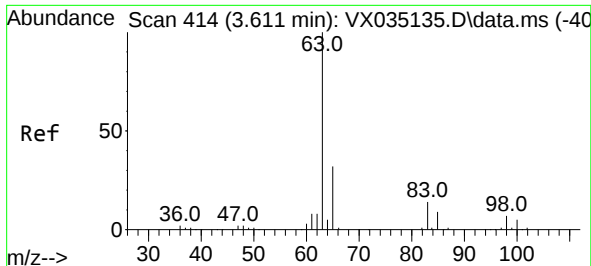
Tgt Ion: 96 Resp: 149206
Ion Ratio Lower Upper
96 100
61 139.5 98.8 183.4
98 63.0 44.4 82.4



#18
Methyl tert-butyl Ether
Concen: 50.631 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 73 Resp: 519743
Ion Ratio Lower Upper
73 100
43 20.5 16.6 25.0
57 22.0 17.5 26.3





#19

1,1-Dichloroethane

Concen: 50.680 ug/L

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

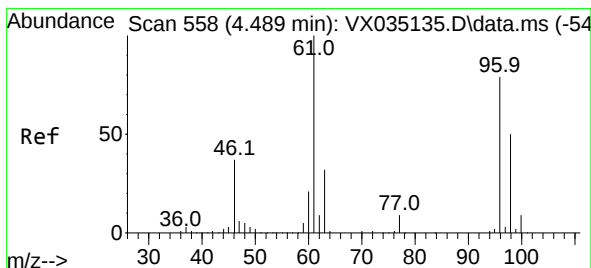
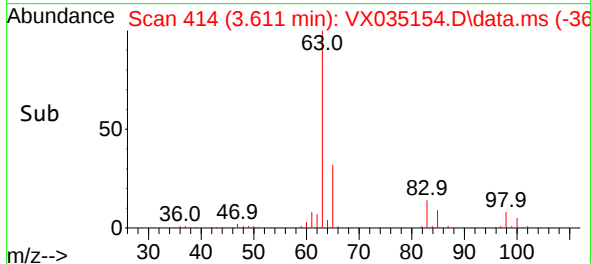
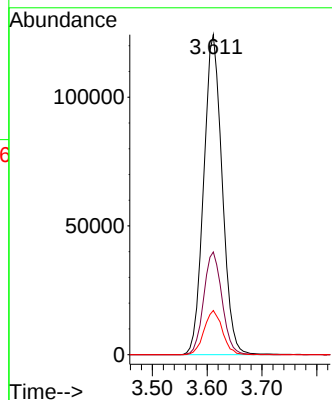
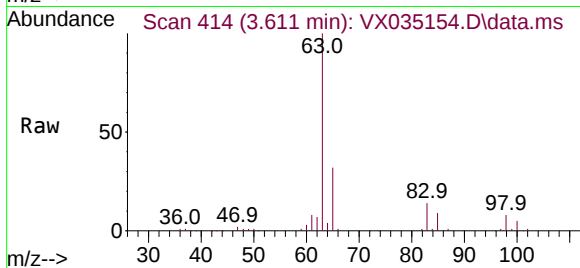
Tgt Ion: 63 Resp: 289986

Ion Ratio Lower Upper

63 100

65 32.1 22.8 42.4

83 13.8 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 50.446 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

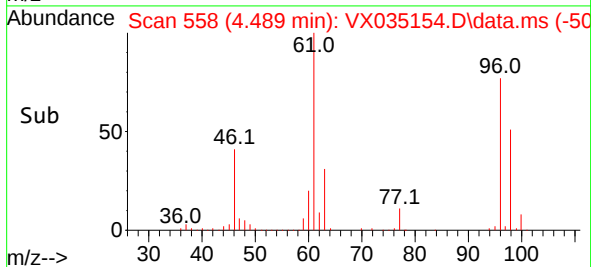
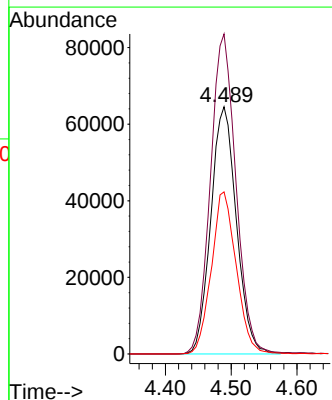
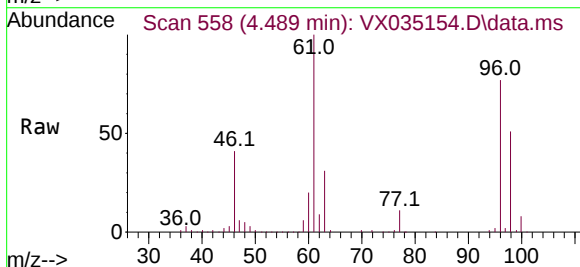
Tgt Ion: 96 Resp: 175067

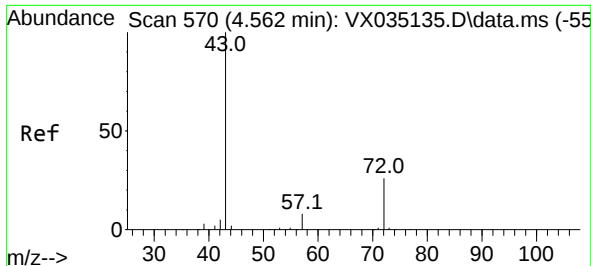
Ion Ratio Lower Upper

96 100

61 129.4 87.8 163.2

98 65.6 46.3 86.1

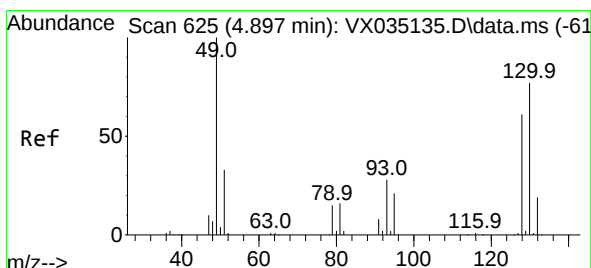
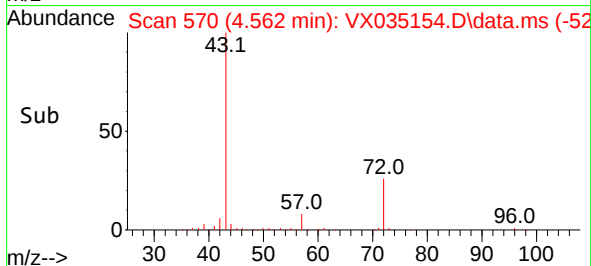
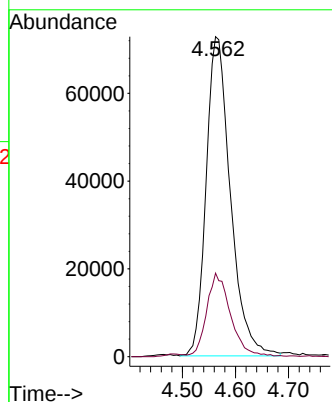
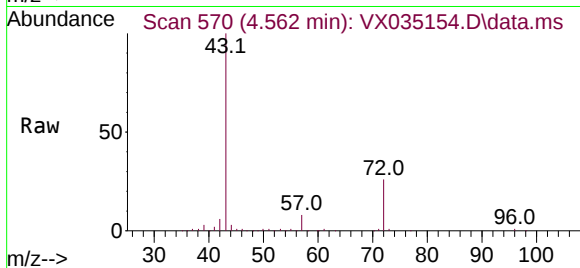




#22
2-Butanone
Concen: 97.870 ug/L
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

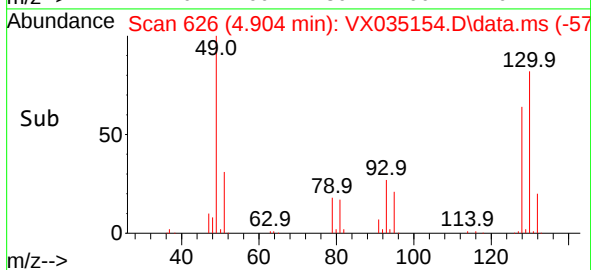
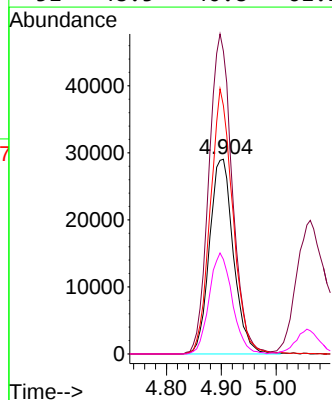
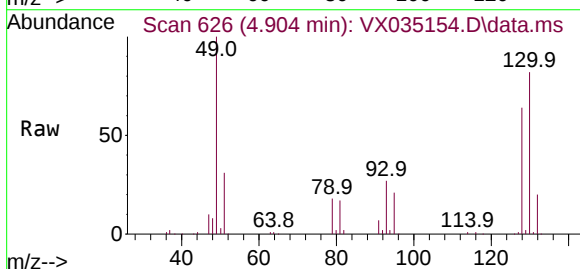
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

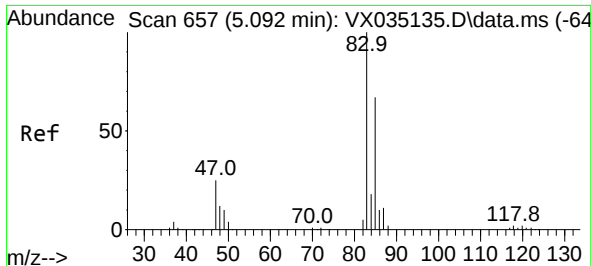
Tgt Ion: 43 Resp: 230997
Ion Ratio Lower Upper
43 100
72 25.7 12.4 37.2



#23
Bromochloromethane
Concen: 51.158 ug/L
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion:128 Resp: 87932
Ion Ratio Lower Upper
128 100
49 155.4 115.9 215.3
130 127.5 88.9 165.1
51 48.5 40.8 61.2





#25

Chloroform

Concen: 50.689 ug/L

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

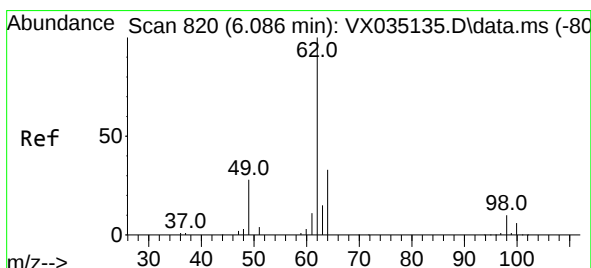
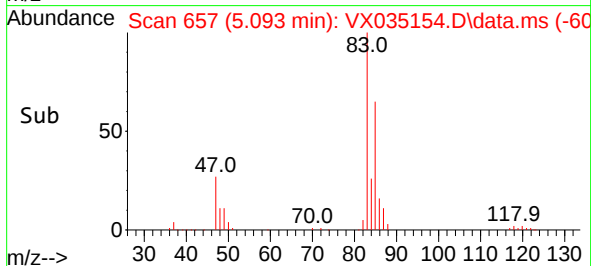
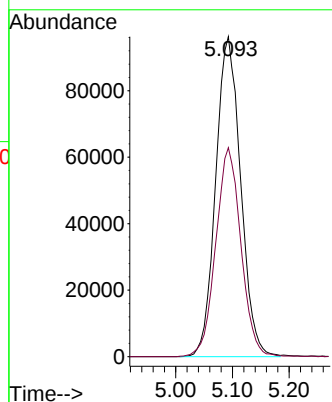
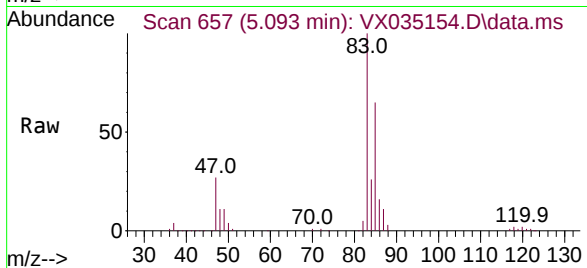
VSTD050629

Tgt Ion: 83 Resp: 294066

Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 50.928 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX035154.D

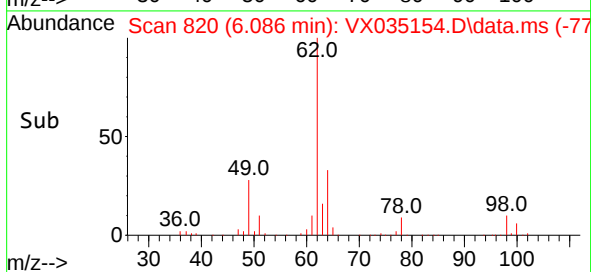
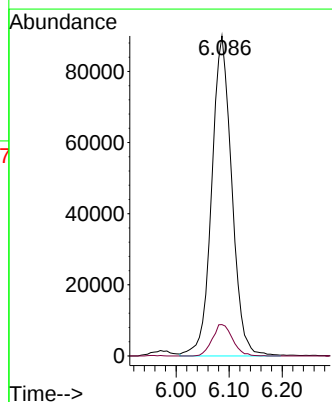
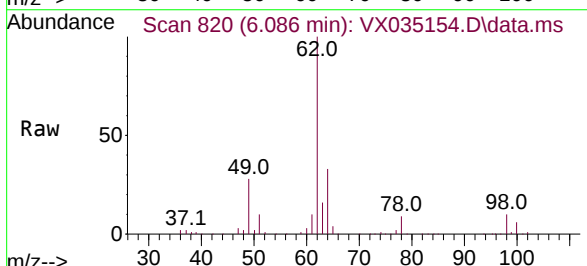
Acq: 19 Apr 2023 03:38

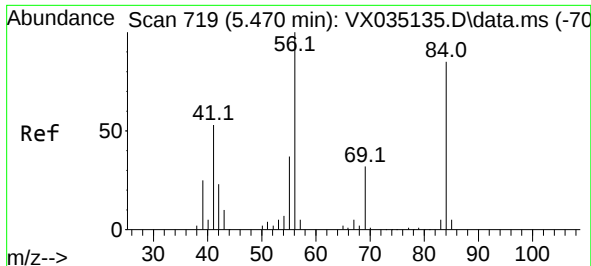
Tgt Ion: 62 Resp: 236641

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

Cyclohexane

Concen: 50.590 ug/L

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

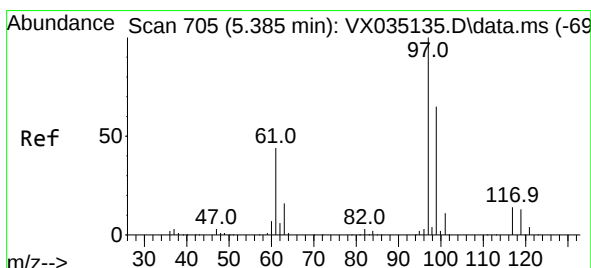
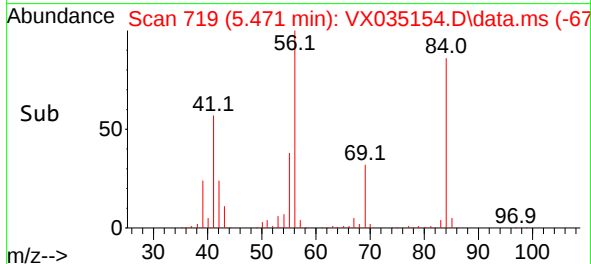
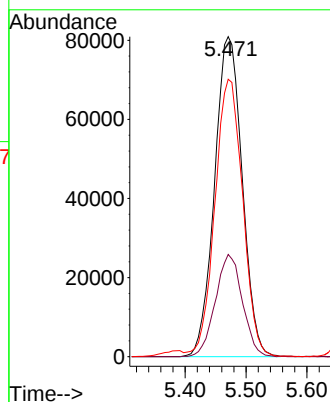
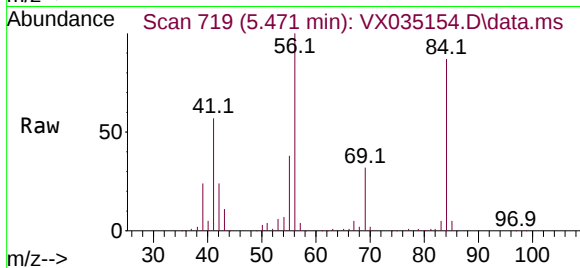
Tgt Ion: 56 Resp: 254983

Ion Ratio Lower Upper

56 100

69 31.1 25.1 37.7

84 87.0 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 50.916 ug/L

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

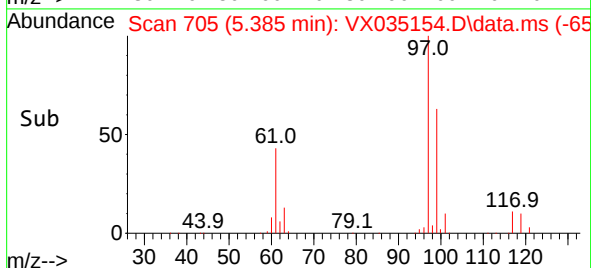
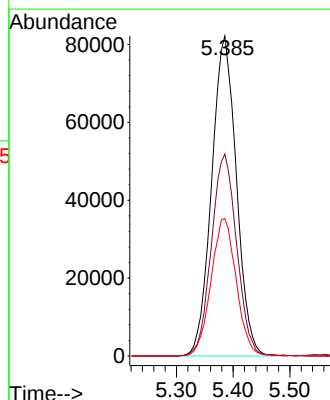
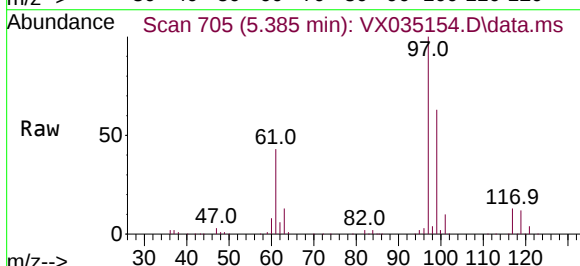
Tgt Ion: 97 Resp: 249100

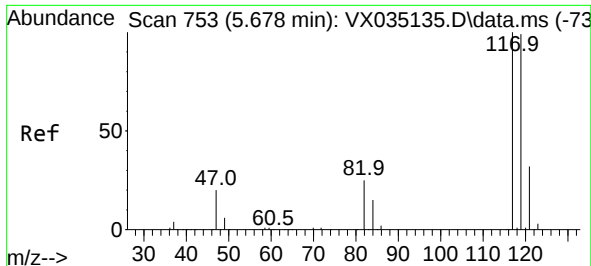
Ion Ratio Lower Upper

97 100

99 64.4 50.6 75.8

61 43.9 34.9 52.3

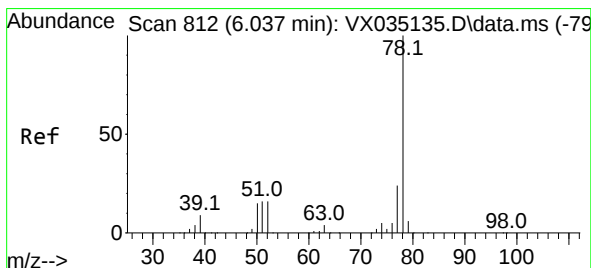
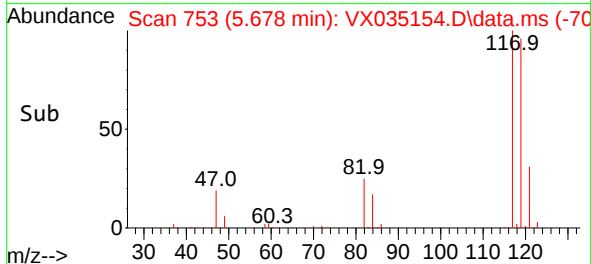
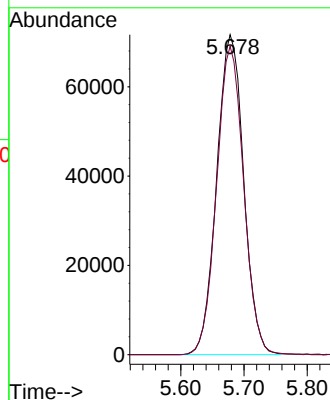
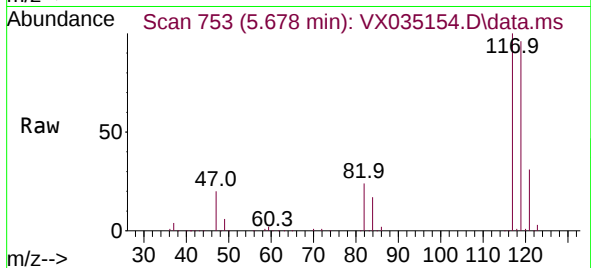




#31
Carbon tetrachloride
Concen: 51.151 ug/L
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

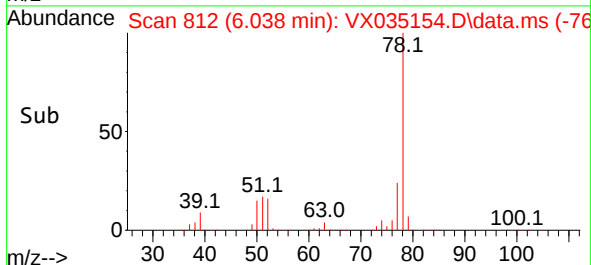
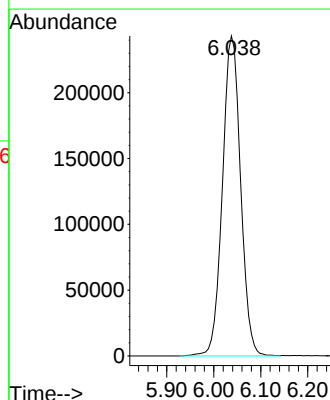
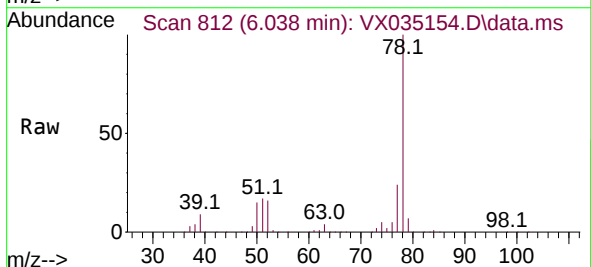
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

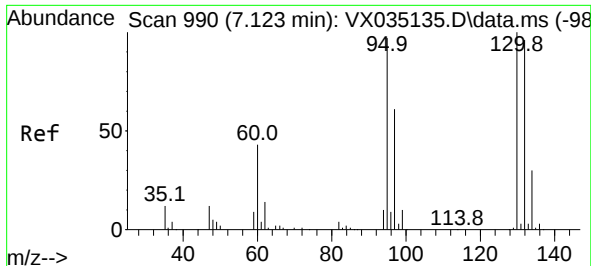
Tgt Ion:117 Resp: 212200
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 51.835 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 78 Resp: 654808

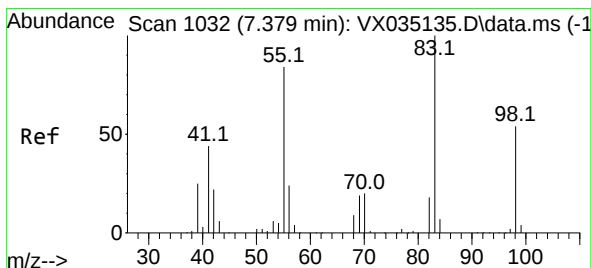
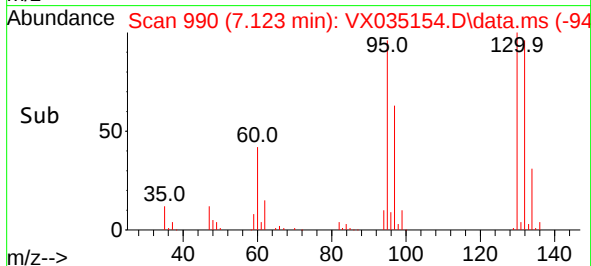
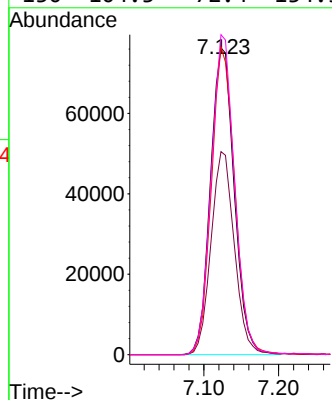
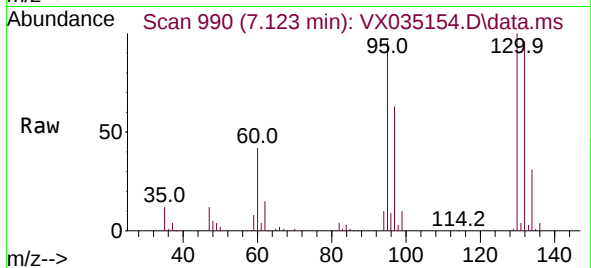




#34
Trichloroethene
Concen: 50.256 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

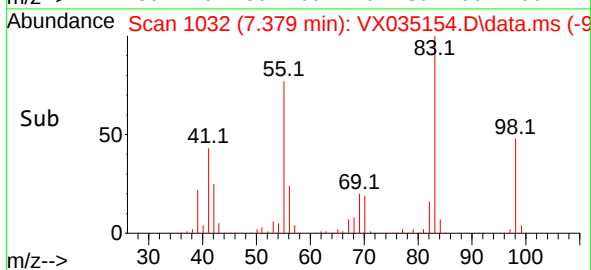
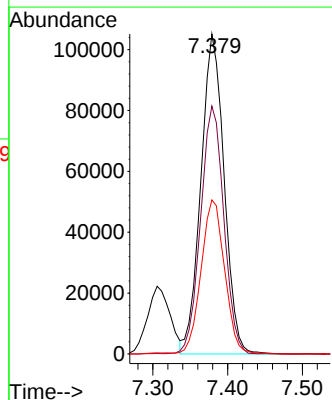
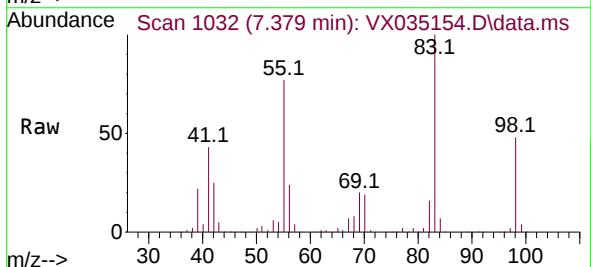
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

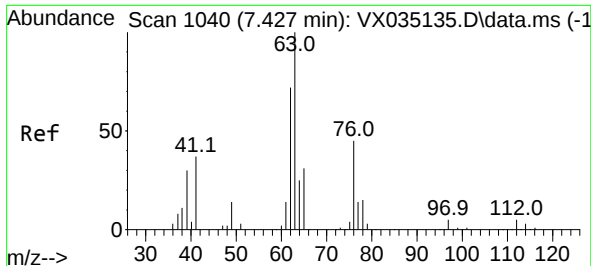
Tgt Ion: 95 Resp: 168879
Ion Ratio Lower Upper
95 100
97 66.2 45.6 84.8
132 100.2 69.7 129.4
130 104.3 72.4 134.5



#35
Methylcyclohexane
Concen: 50.151 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 83 Resp: 226961
Ion Ratio Lower Upper
83 100
55 77.4 62.2 93.2
98 48.7 39.3 58.9

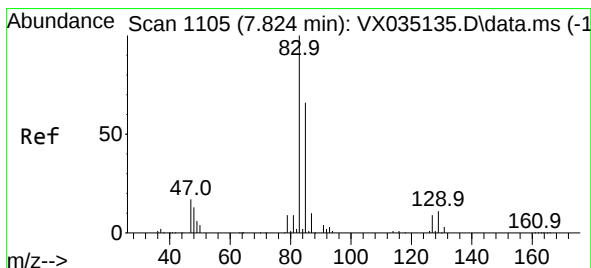
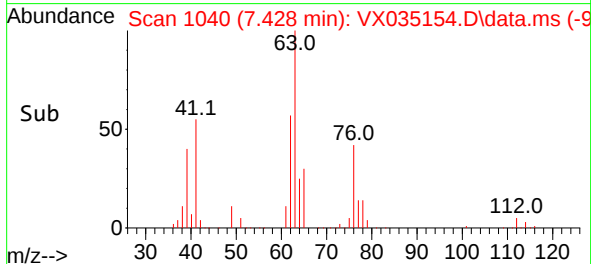
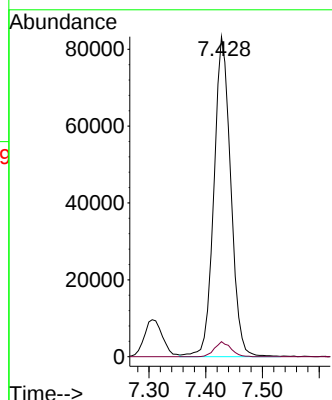
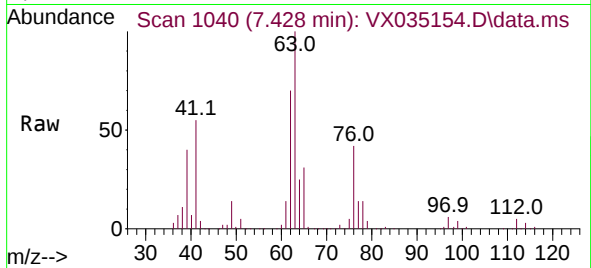




#37
1,2-Dichloropropane
Concen: 51.673 ug/L
RT: 7.428 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

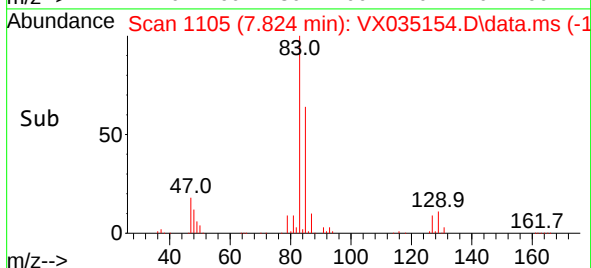
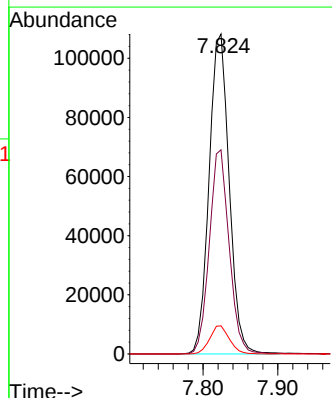
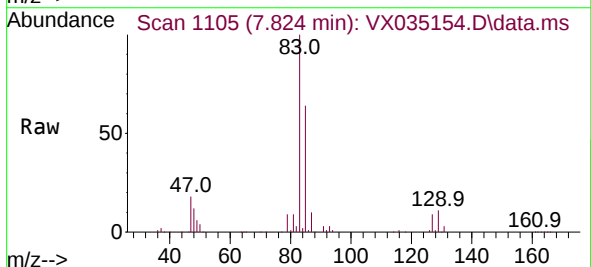
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

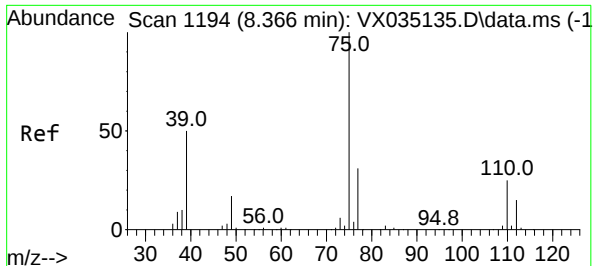
Tgt Ion: 63 Resp: 171859
Ion Ratio Lower Upper
63 100
112 4.5 3.7 5.5



#38
Bromodichloromethane
Concen: 51.464 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 83 Resp: 202238
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9
127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 50.829 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

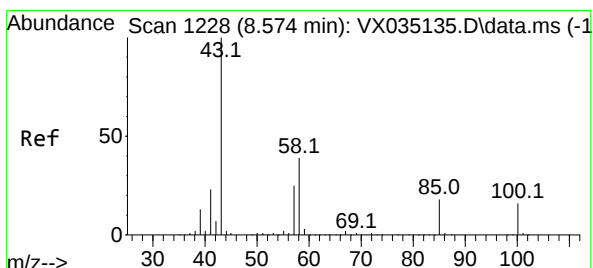
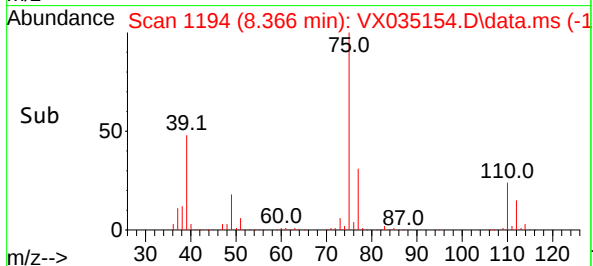
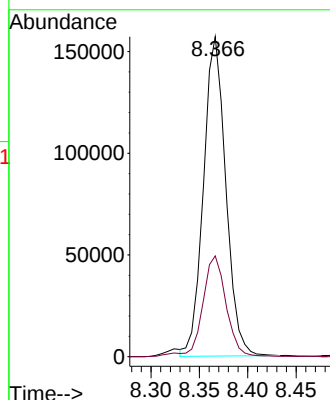
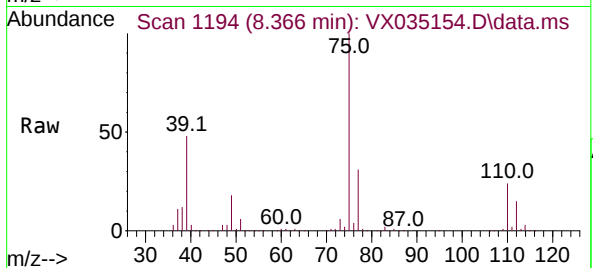
VSTD050629

Tgt Ion: 75 Resp: 252775

Ion Ratio Lower Upper

75 100

77 31.5 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 102.189 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

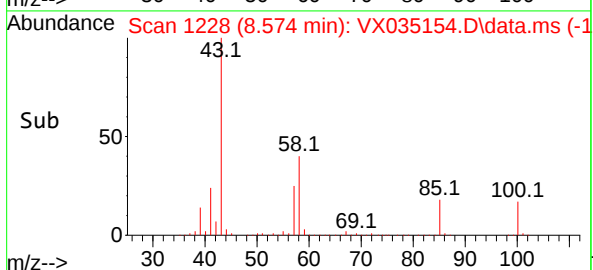
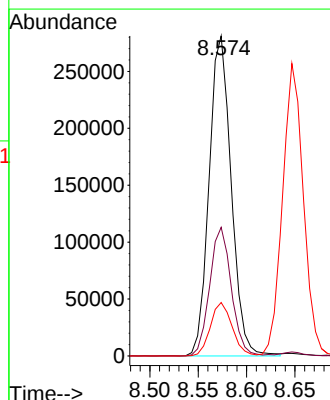
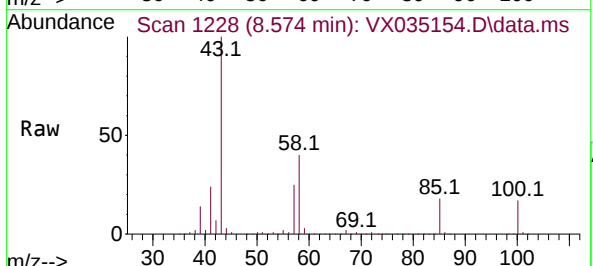
Tgt Ion: 43 Resp: 448028

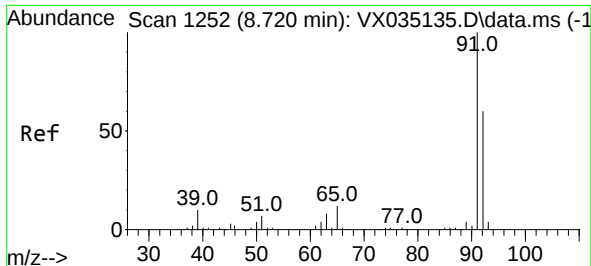
Ion Ratio Lower Upper

43 100

58 39.2 31.5 47.3

100 16.4 12.8 19.2





#42

Toluene

Concen: 51.769 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

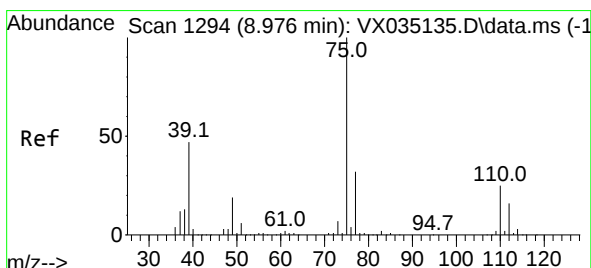
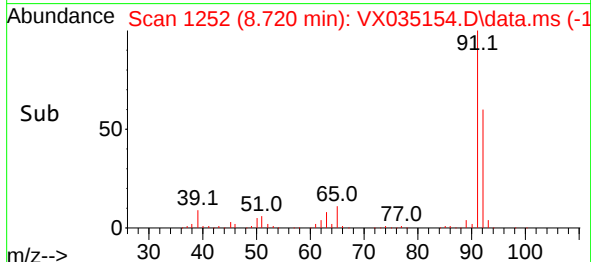
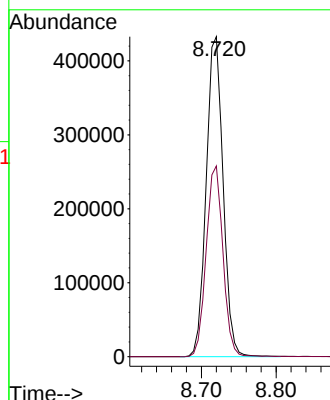
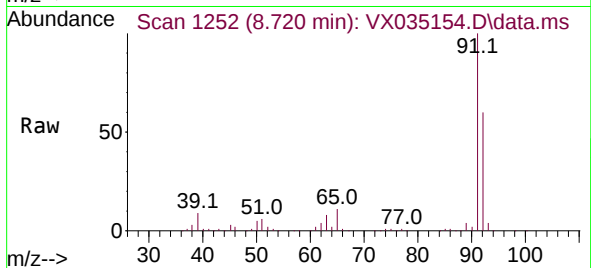
VSTD050629

Tgt Ion: 91 Resp: 678501

Ion Ratio Lower Upper

91 100

92 59.6 41.7 77.5



#44

trans-1,3-Dichloropropene

Concen: 51.628 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX035154.D

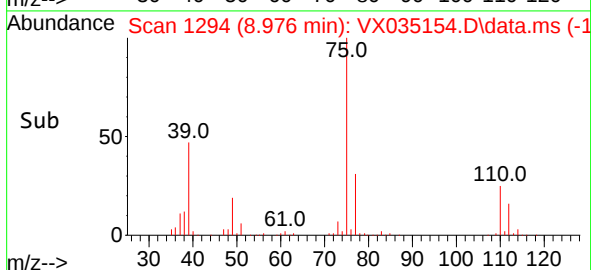
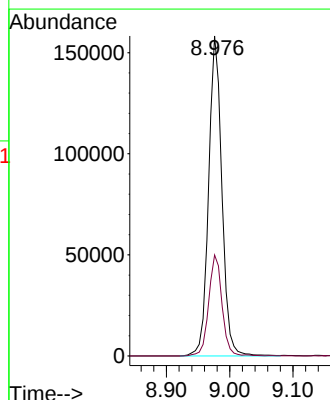
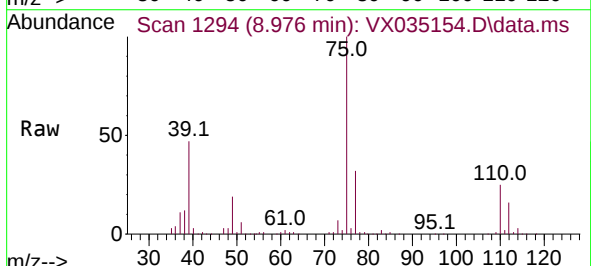
Acq: 19 Apr 2023 03:38

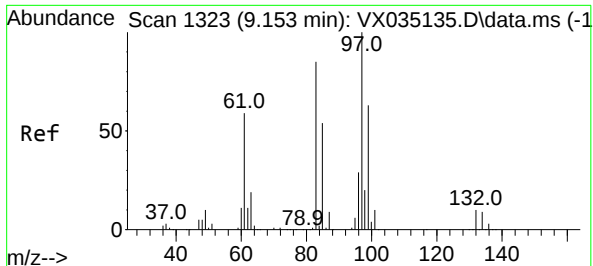
Tgt Ion: 75 Resp: 231341

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 51.765 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

Tgt Ion: 97 Resp: 163371

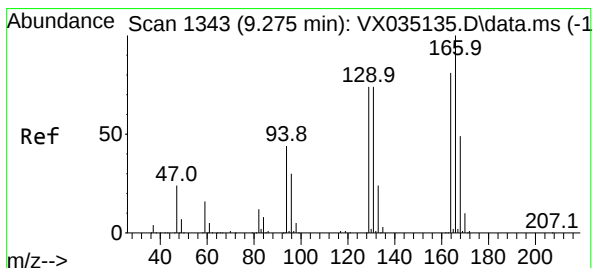
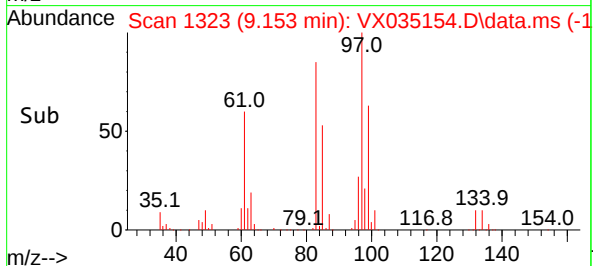
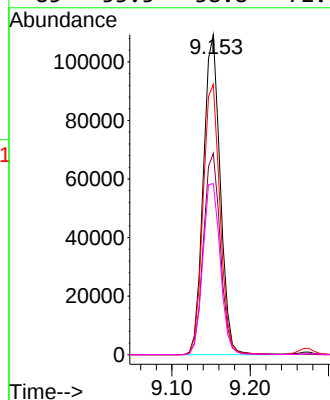
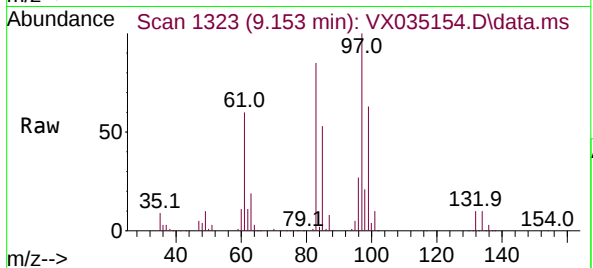
Ion Ratio Lower Upper

97 100

99 63.0 43.8 81.4

83 84.5 59.8 111.0

85 53.5 38.8 72.0



#46

Tetrachloroethene

Concen: 50.698 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Tgt Ion:164 Resp: 126905

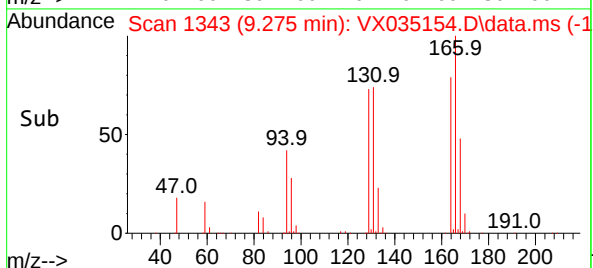
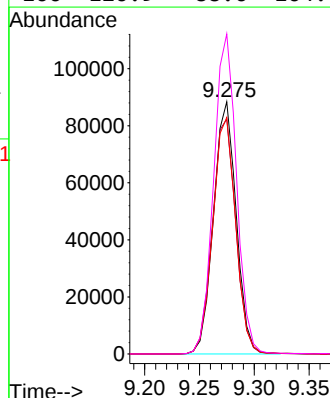
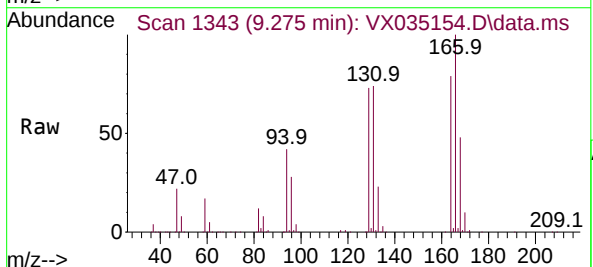
Ion Ratio Lower Upper

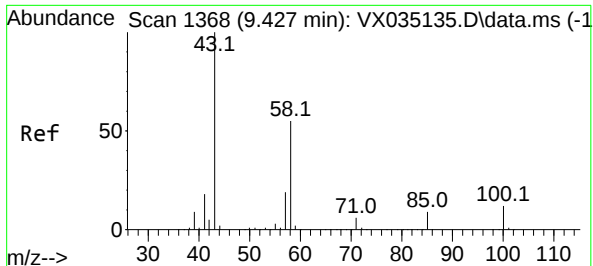
164 100

129 93.2 66.1 122.8

131 93.8 65.0 120.8

166 126.9 88.6 164.6



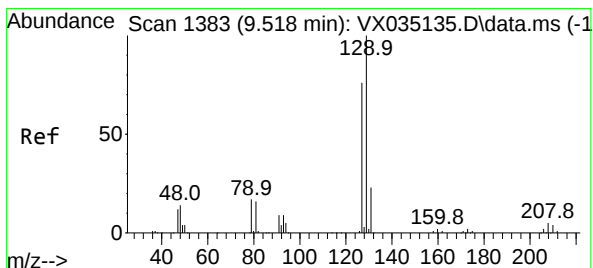
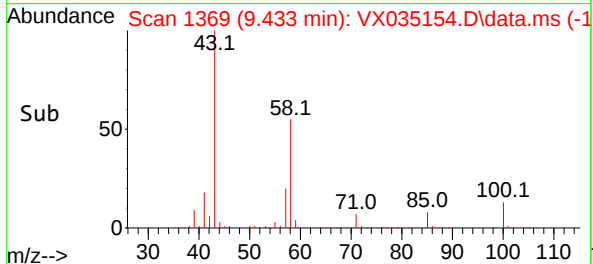
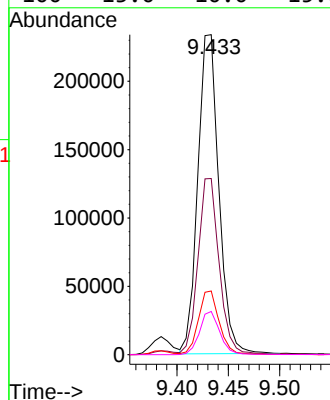
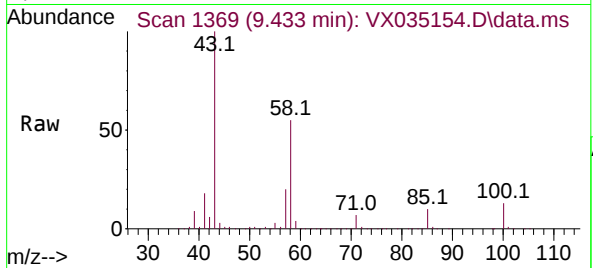


#48
2-Hexanone
Concen: 100.190 ug/L
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

Tgt Ion: 43 Resp: 333509

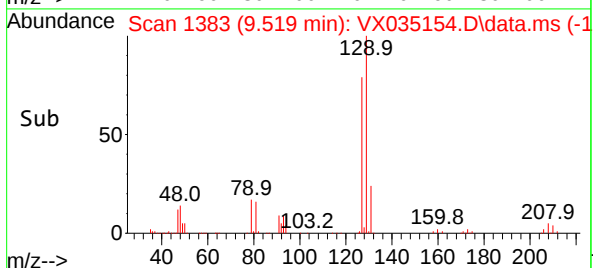
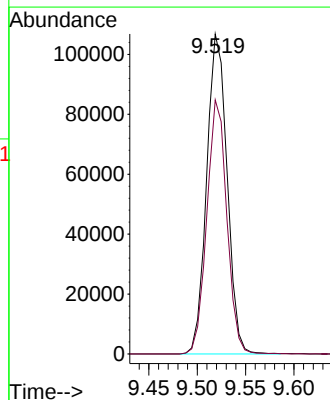
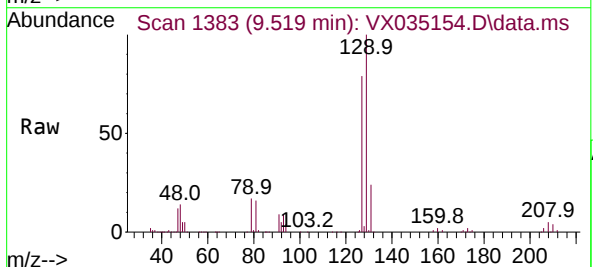
Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.2	64.8
57	19.8	15.4	23.0
100	13.0	10.0	15.0

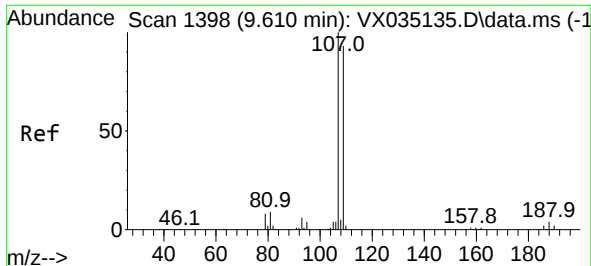


#49
Dibromochloromethane
Concen: 52.419 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 129 Resp: 157221

Ion	Ratio	Lower	Upper
129	100		
127	79.4	54.8	101.8





#50

1,2-Dibromoethane

Concen: 52.330 ug/L

RT: 9.610 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

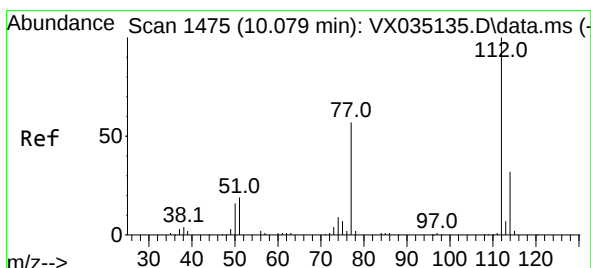
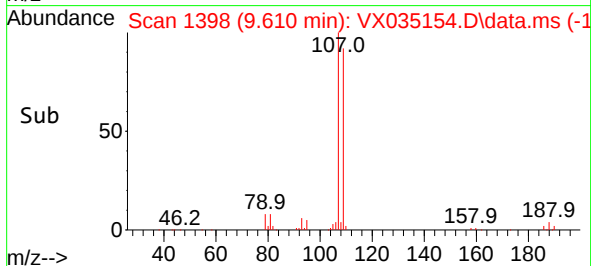
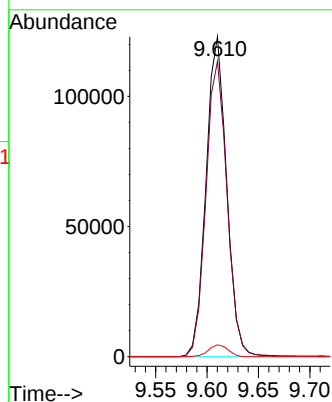
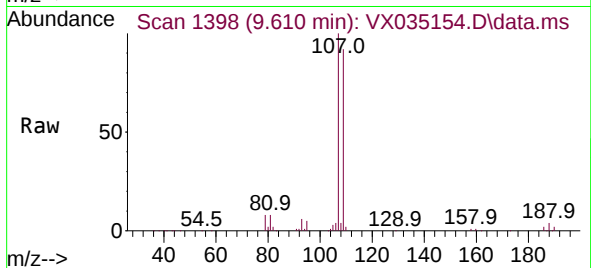
Tgt Ion:107 Resp: 171848

Ion Ratio Lower Upper

107 100

109 92.3 65.6 121.8

188 3.7 3.3 4.9



#51

Chlorobenzene

Concen: 55.052 ug/L

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

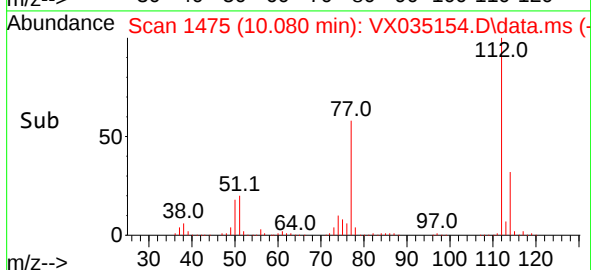
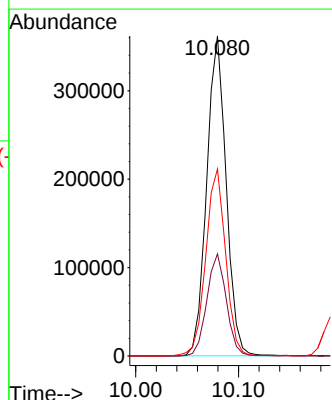
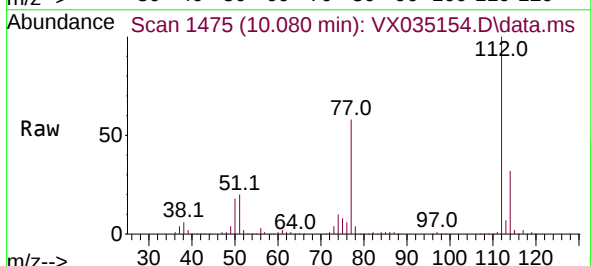
Tgt Ion:112 Resp: 475359

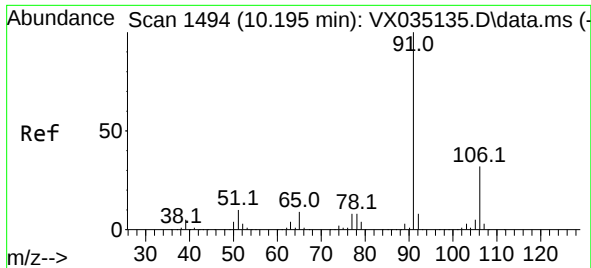
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 58.5 47.0 70.6

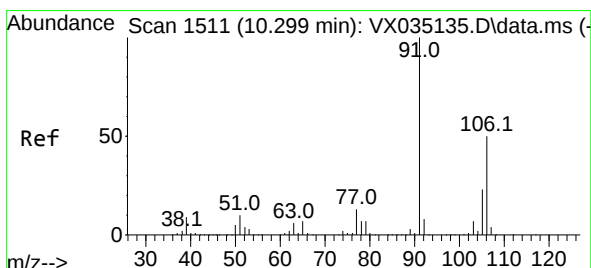
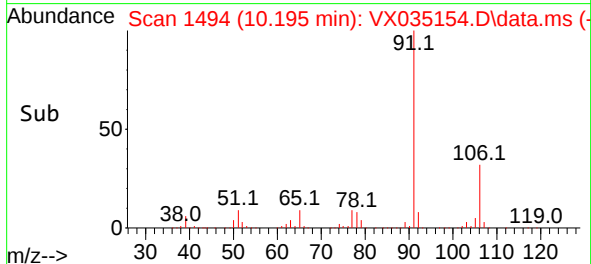
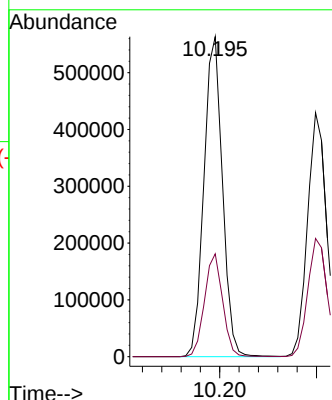
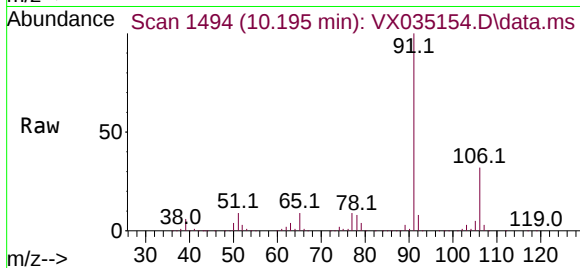




#52
Ethylbenzene
Concen: 51.729 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

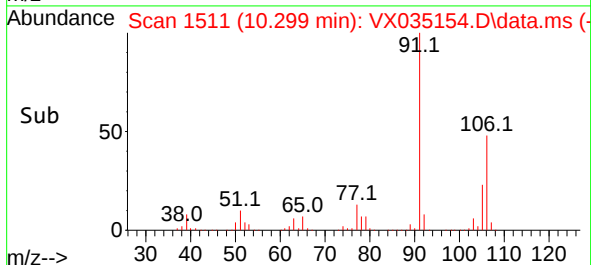
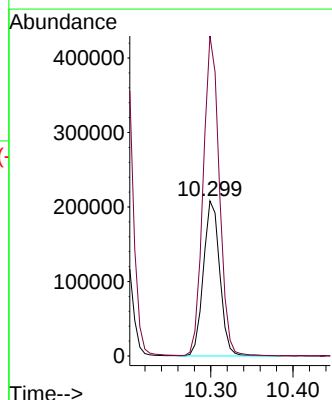
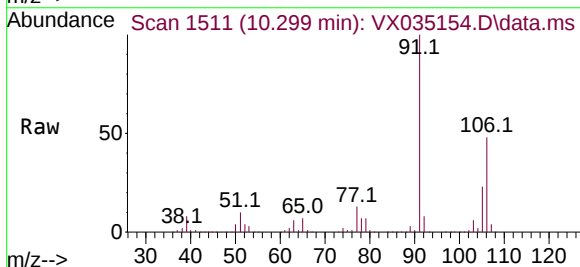
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

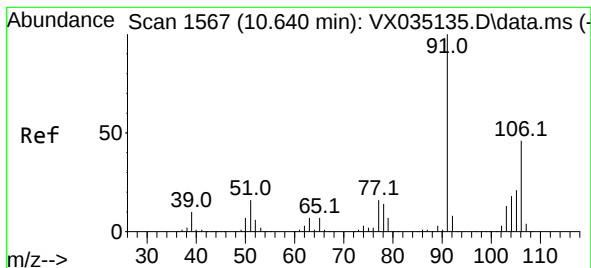
Tgt Ion: 91 Resp: 749457
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#53
m,p-Xylene
Concen: 51.845 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 106 Resp: 287633
Ion Ratio Lower Upper
106 100
91 206.5 142.7 264.9





#54

o-Xylene

Concen: 52.051 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

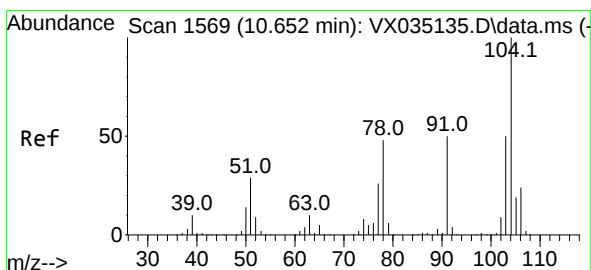
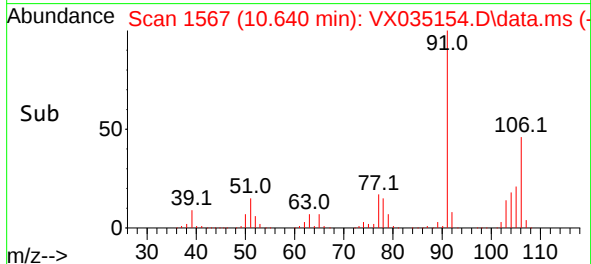
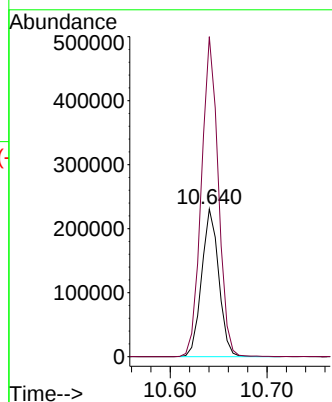
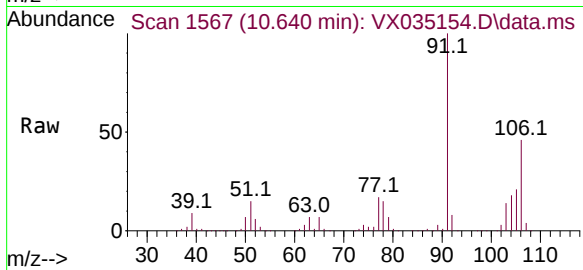
VSTD050629

Tgt Ion:106 Resp: 283913

Ion Ratio Lower Upper

106 100

91 216.7 153.9 285.7



#55

Styrene

Concen: 52.798 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX035154.D

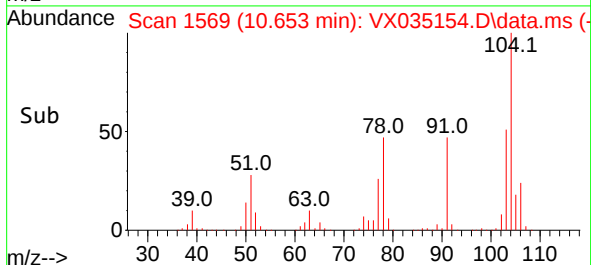
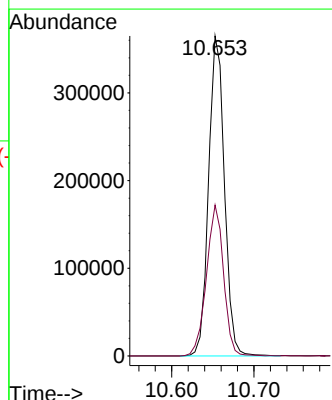
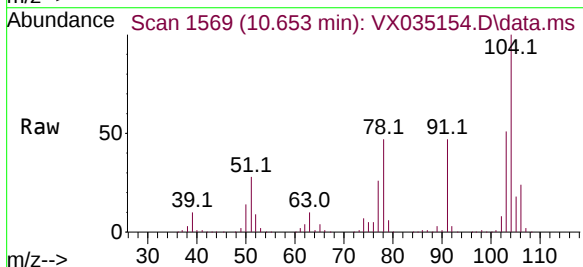
Acq: 19 Apr 2023 03:38

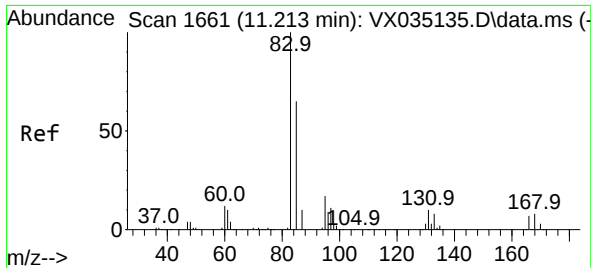
Tgt Ion:104 Resp: 487933

Ion Ratio Lower Upper

104 100

78 47.1 33.5 62.3

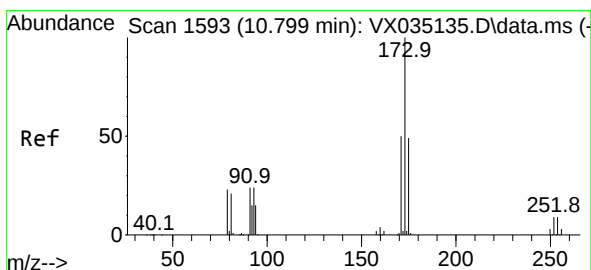
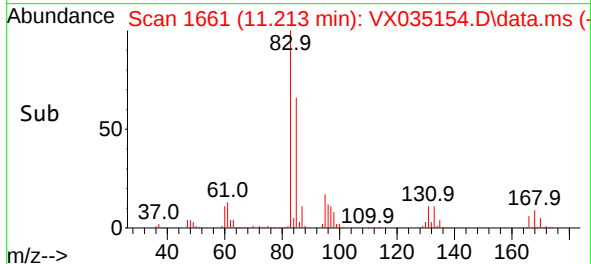
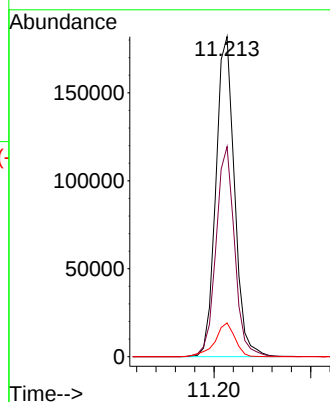
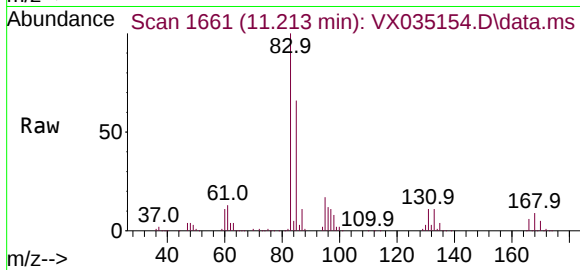




#57
1,1,2,2-Tetrachloroethane
Concen: 52.193 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

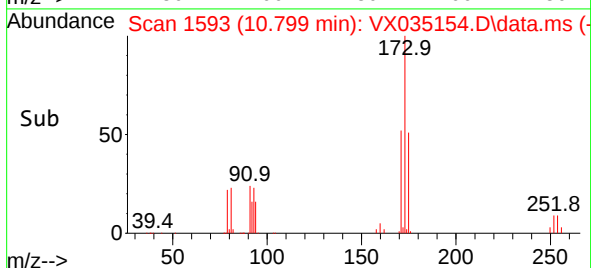
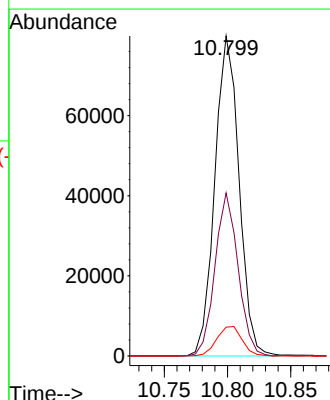
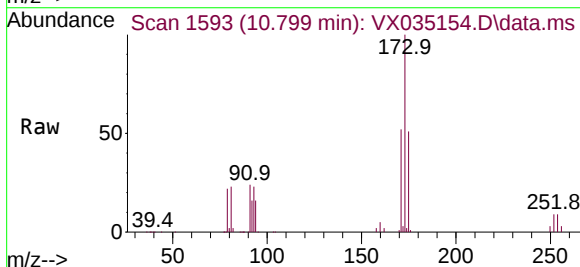
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

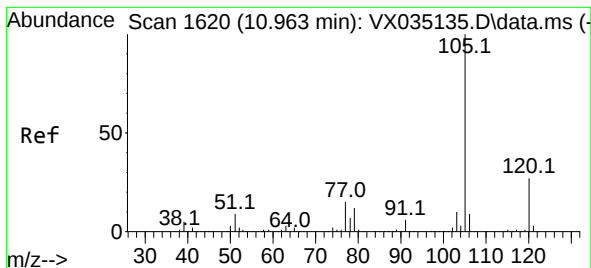
Tgt Ion: 83 Resp: 242763
Ion Ratio Lower Upper
83 100
85 65.6 46.0 85.4
131 10.6 8.3 12.5



#59
Bromoform
Concen: 50.785 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion:173 Resp: 106132
Ion Ratio Lower Upper
173 100
175 48.6 38.2 57.4
254 9.7 7.4 11.0





#60

Isopropylbenzene

Concen: 51.234 ug/L

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

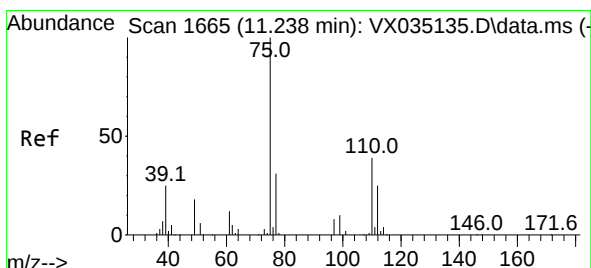
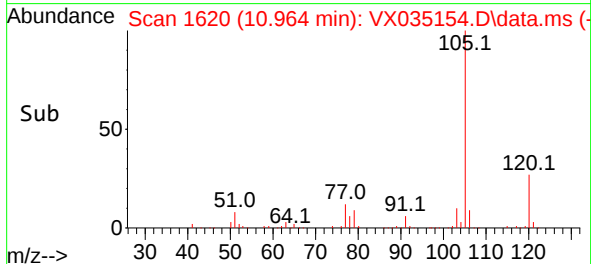
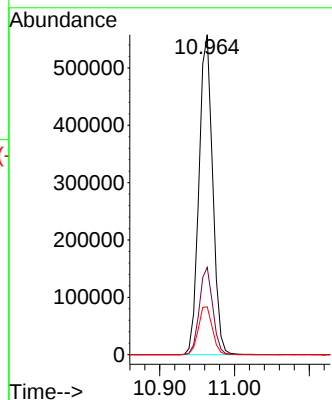
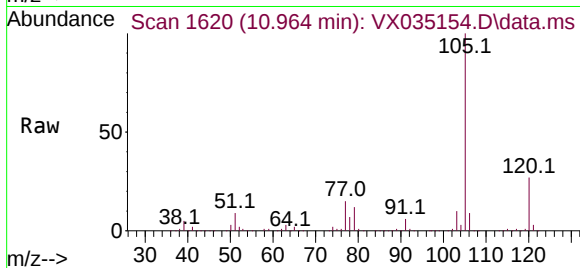
Tgt Ion:105 Resp: 707244

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

77 15.4 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 50.735 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

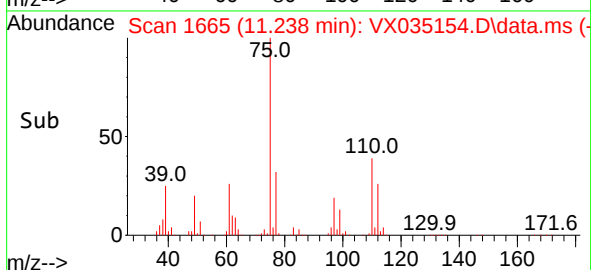
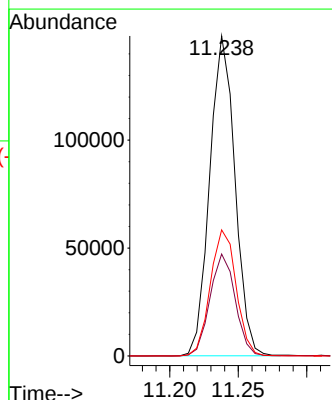
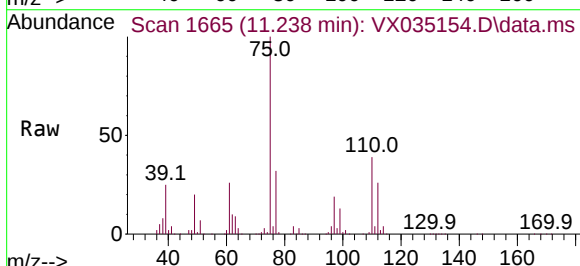
Tgt Ion: 75 Resp: 190165

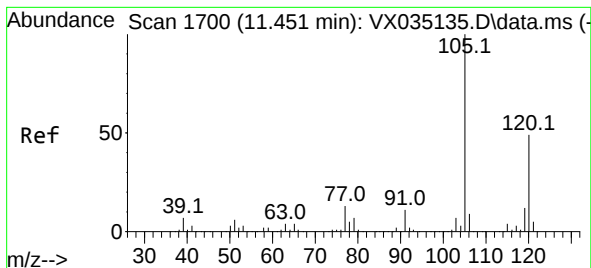
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

110 40.3 32.5 48.7





#62

1,3,5-Trimethylbenzene

Concen: 51.397 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

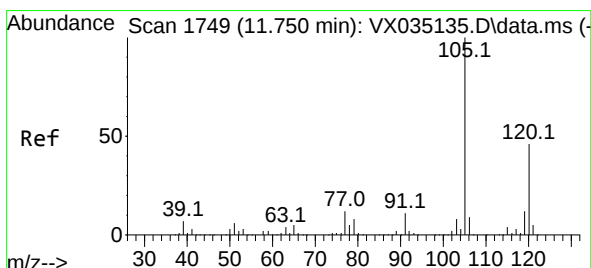
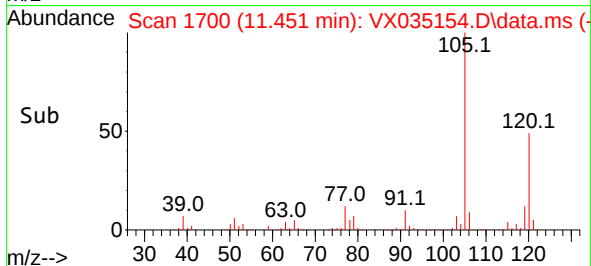
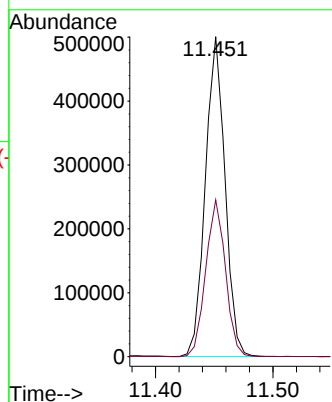
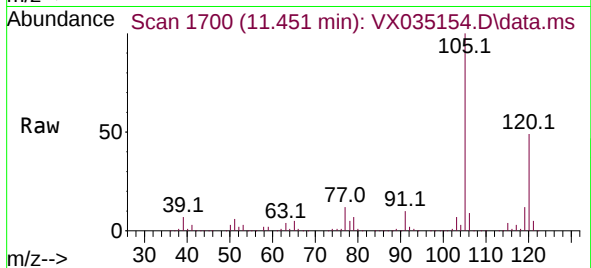
VSTD050629

Tgt Ion:105 Resp: 580226

Ion Ratio Lower Upper

105 100

120 49.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 51.528 ug/L

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX035154.D

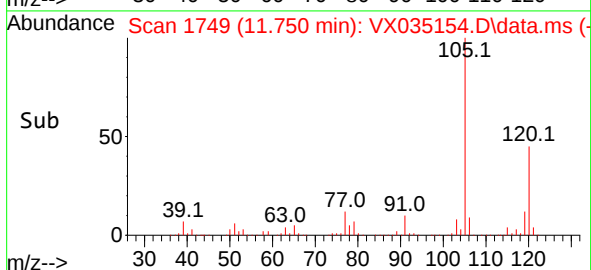
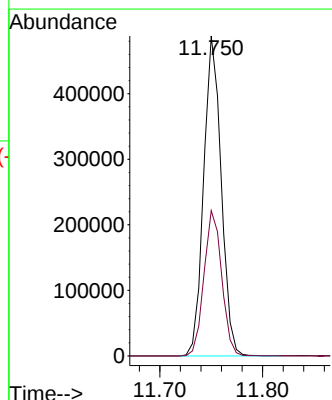
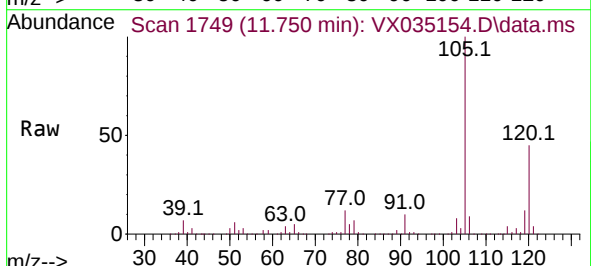
Acq: 19 Apr 2023 03:38

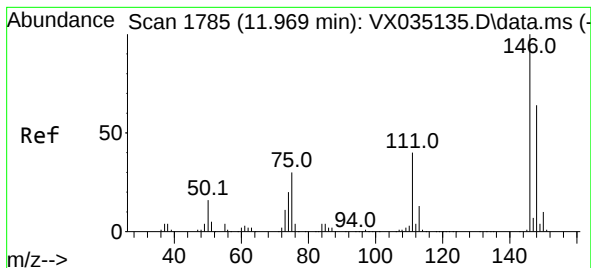
Tgt Ion:105 Resp: 578422

Ion Ratio Lower Upper

105 100

120 46.0 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 51.631 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

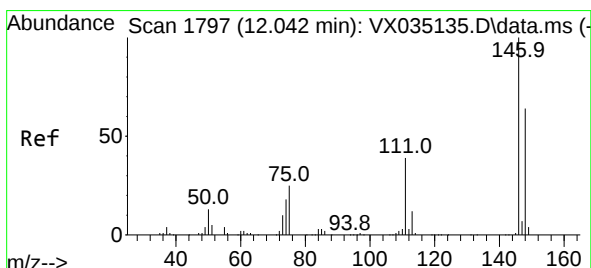
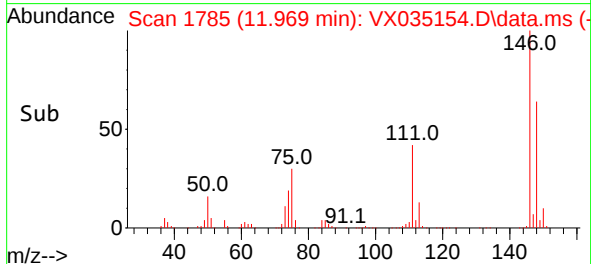
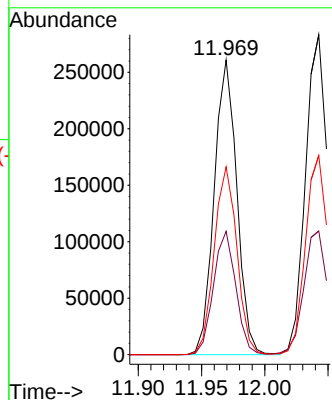
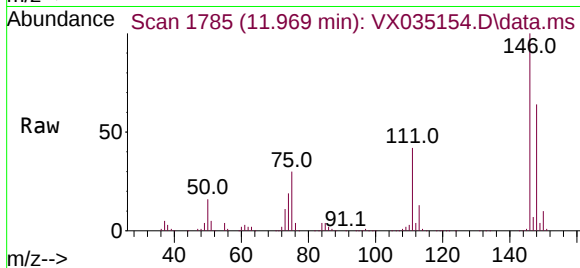
Tgt Ion:146 Resp: 325065

Ion Ratio Lower Upper

146 100

111 41.8 28.9 53.7

148 63.7 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 54.593 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

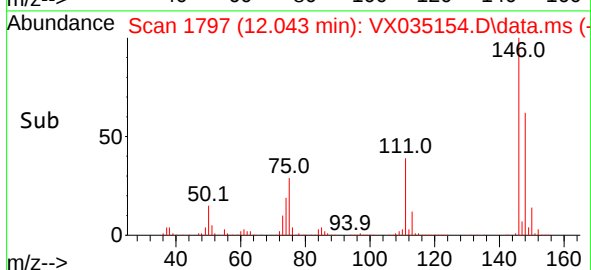
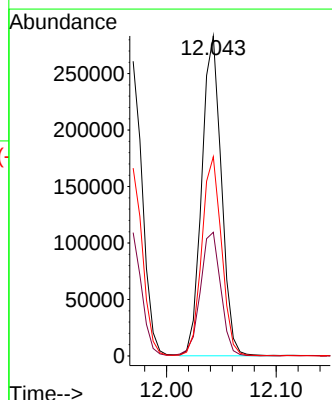
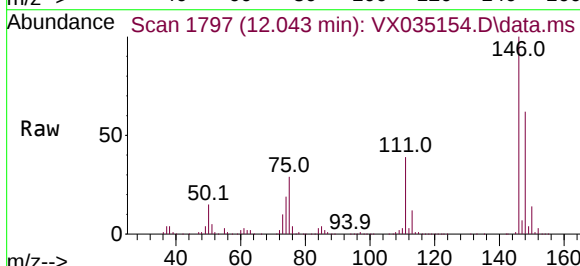
Tgt Ion:146 Resp: 351707

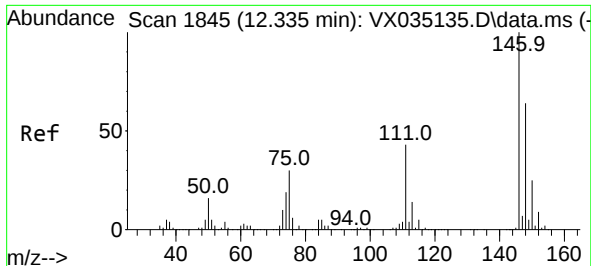
Ion Ratio Lower Upper

146 100

111 38.7 27.9 51.7

148 62.3 45.9 85.3

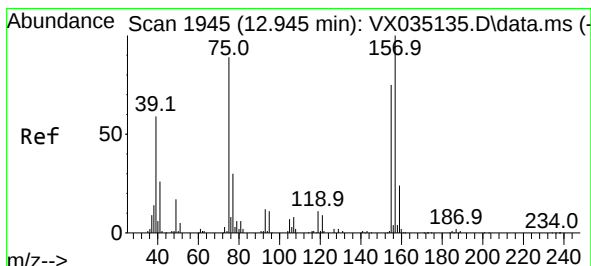
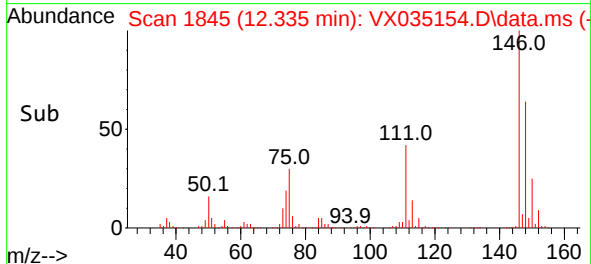
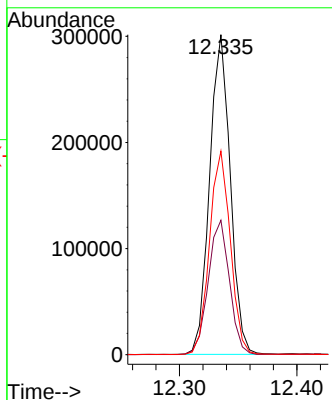
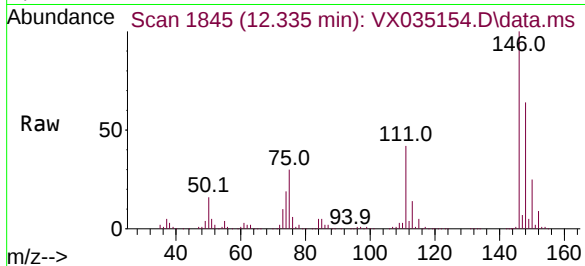




#67
1,2-Dichlorobenzene
Concen: 57.649 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

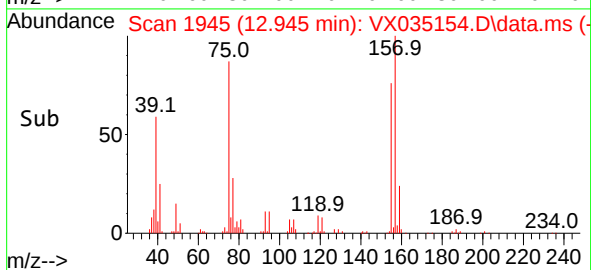
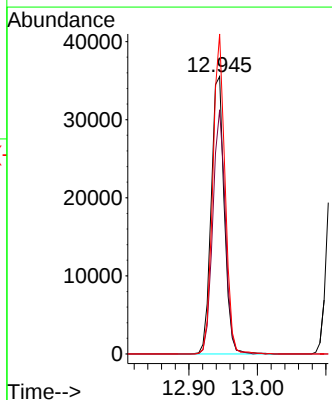
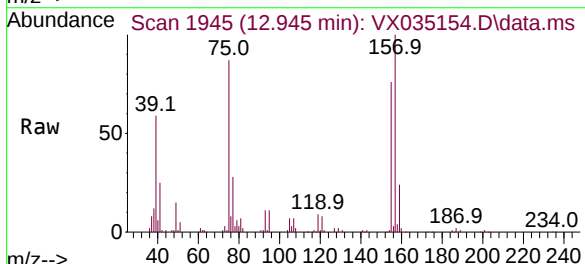
Instrument :
MSVOA_X
ClientSampleId :
VSTD050629

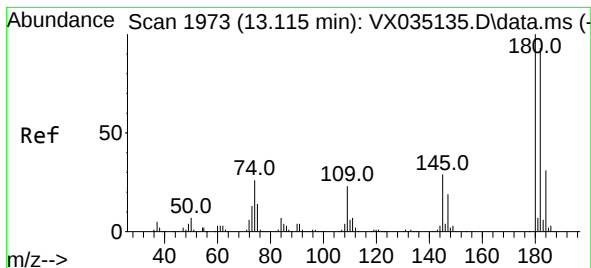
Tgt Ion:146 Resp: 368016
Ion Ratio Lower Upper
146 100
111 42.0 34.7 52.1
148 63.6 52.1 78.1



#68
1,2-Dibromo-3-chloropropane
Concen: 50.981 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX035154.D
Acq: 19 Apr 2023 03:38

Tgt Ion: 75 Resp: 47151
Ion Ratio Lower Upper
75 100
155 88.0 69.9 104.9
157 115.3 90.4 135.6





#69

1,3,5-Trichlorobenzene

Concen: 50.119 ug/L

RT: 13.109 min Scan# 1973

Delta R.T. -0.006 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

Tgt Ion:180 Resp: 195073

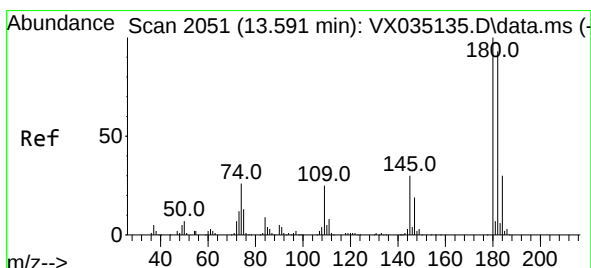
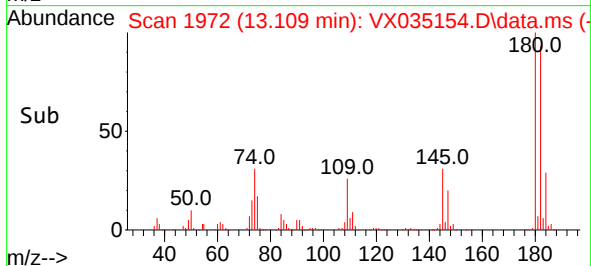
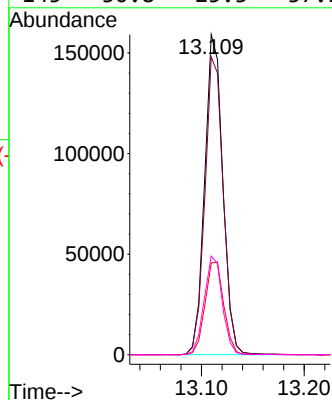
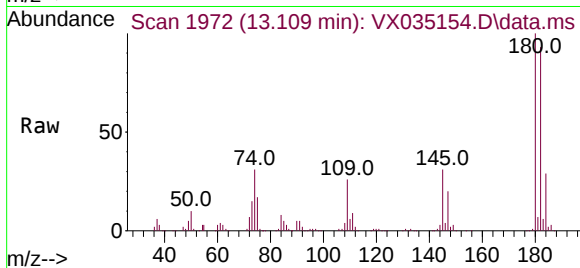
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

184 30.1 23.8 35.8

145 30.8 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 60.989 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

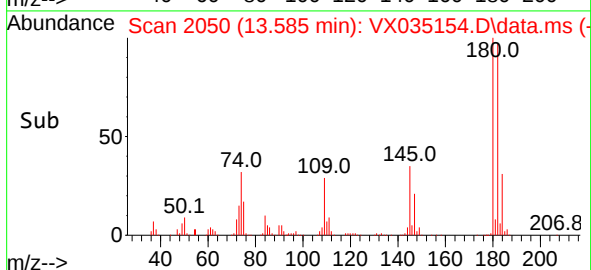
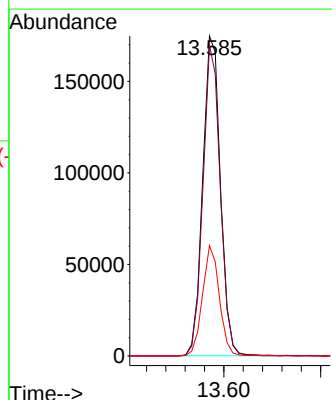
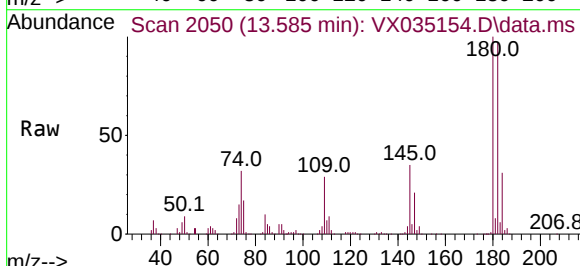
Tgt Ion:180 Resp: 222274

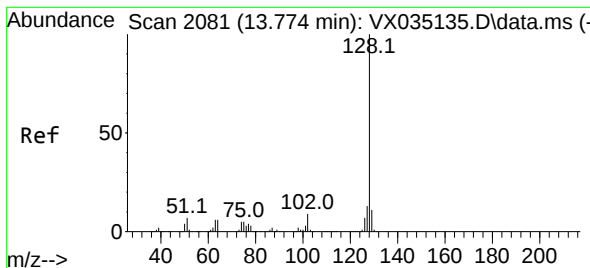
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

145 32.9 26.2 39.4





#71

Naphthalene

Concen: 51.326 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Instrument :

MSVOA_X

ClientSampleId :

VSTD050629

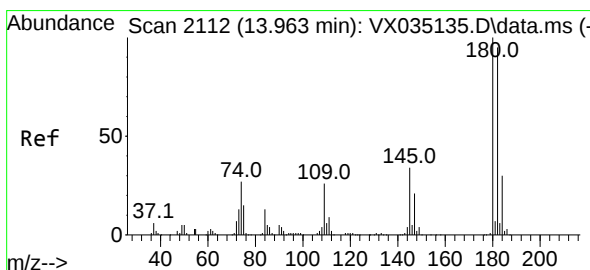
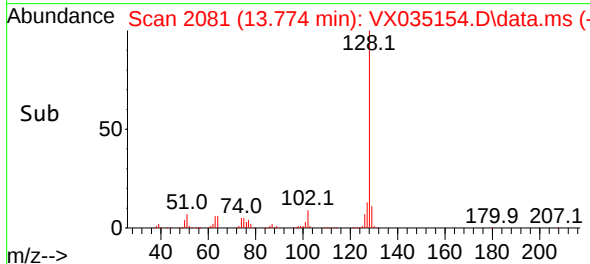
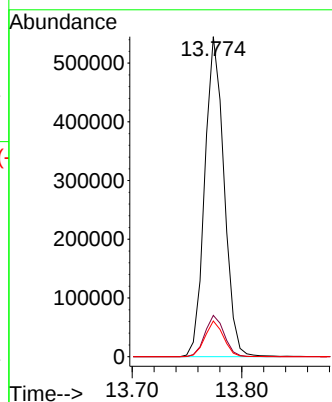
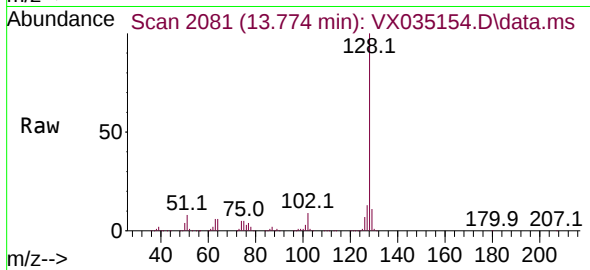
Tgt Ion:128 Resp: 666308

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 52.805 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX035154.D

Acq: 19 Apr 2023 03:38

Tgt Ion:180 Resp: 189987

Ion Ratio Lower Upper

180 100

182 94.4 75.0 112.6

145 34.2 27.1 40.7

