

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020223\
 Data File : VX033989.D
 Acq On : 02 Feb 2023 10:56
 Operator : JC/MD
 Sample : VSTD05015
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050615

Quant Time: Feb 03 04:11:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 04:09:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	256805	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	225514	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	122519	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	89082	52.086	ug/L	0.00
7) Chloroethane-d5	1.672	69	54828	52.805	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.312	63	157875	50.377	ug/L	0.00
21) 2-Butanone-d5	4.452	46	99291	101.258	ug/L	0.00
24) Chloroform-d	5.056	84	154585	50.388	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	91714	49.547	ug/L	0.00
32) Benzene-d6	5.970	84	324389	50.180	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	95509	49.974	ug/L	0.00
41) Toluene-d8	8.646	98	307854	50.202	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	43587	50.256	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	74415	103.831	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	120119	50.123	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	123361	50.304	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	92150	48.232	ug/L	100
3) Chloromethane	1.294	50	89024	51.049	ug/L	100
5) Vinyl chloride	1.373	62	88161	49.995	ug/L	100
6) Bromomethane	1.617	94	45574	49.839	ug/L	100
8) Chloroethane	1.690	64	48377	51.606	ug/L	100
9) Trichlorofluoromethane	1.892	101	123661	49.476	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.330	101	83502	48.311	ug/L	100
12) 1,1-Dichloroethene	2.324	96	77894	49.265	ug/L	100
13) Acetone	2.379	43	93250	92.435	ug/L	100
14) Carbon disulfide	2.513	76	212351	49.621	ug/L	100
15) Methyl Acetate	2.702	43	79218	49.290	ug/L	100
16) Methylene chloride	2.788	84	82398	49.212	ug/L	100
17) trans-1,2-Dichloroethene	3.093	96	80080	49.063	ug/L	100
18) Methyl tert-butyl Ether	3.111	73	229946	48.386	ug/L	100
19) 1,1-Dichloroethane	3.611	63	139771	49.067	ug/L	100
20) cis-1,2-Dichloroethene	4.489	96	91575	49.095	ug/L	100
22) 2-Butanone	4.556	43	122333	98.735	ug/L	100
23) Bromochloromethane	4.897	128	49997	48.827	ug/L	100
25) Chloroform	5.092	83	146083	49.661	ug/L	100
27) 1,2-Dichloroethane	6.086	62	111358	49.324	ug/L	100
29) Cyclohexane	5.470	56	136919	49.640	ug/L	100
30) 1,1,1-Trichloroethane	5.385	97	123275	48.364	ug/L	100
31) Carbon tetrachloride	5.677	117	114553	48.306	ug/L	100
33) Benzene	6.037	78	327010	48.764	ug/L	100
34) Trichloroethene	7.122	95	87794	48.307	ug/L	100
35) Methylcyclohexane	7.378	83	144497	49.861	ug/L	100
37) 1,2-Dichloropropane	7.427	63	83755	49.037	ug/L	100
38) Bromodichloromethane	7.817	83	105390	48.527	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	132431	50.516	ug/L	100
40) 4-Methyl-2-pentanone	8.573	43	214946	102.264	ug/L	100
42) Toluene	8.720	91	356321	49.672	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	117532	50.382	ug/L	100

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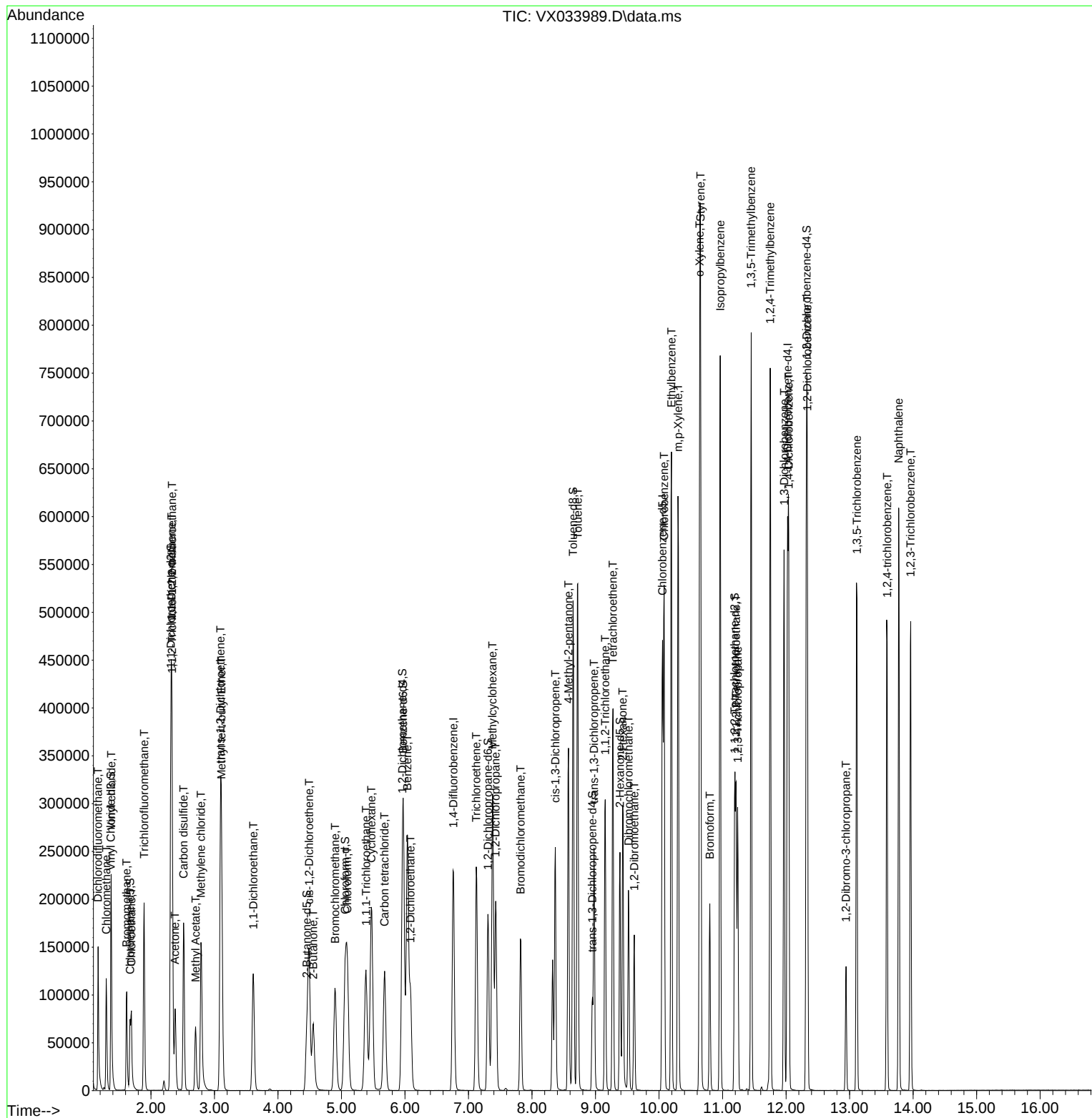
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.152	97	86167	49.838	ug/L	100
46) Tetrachloroethene	9.274	164	85395	48.939	ug/L	100
48) 2-Hexanone	9.427	43	164696	98.324	ug/L	100
49) Dibromochloromethane	9.518	129	93140	49.928	ug/L	100
50) 1,2-Dibromoethane	9.610	107	91976	49.504	ug/L	100
51) Chlorobenzene	10.079	112	238998	49.315	ug/L	100
52) Ethylbenzene	10.195	91	394137	49.996	ug/L	100
53) m,p-Xylene	10.299	106	159158	50.295	ug/L	100
54) o-Xylene	10.640	106	153853	50.325	ug/L	100
55) Styrene	10.652	104	260401	50.772	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	120849	49.720	ug/L	100
59) Bromoform	10.798	173	74471	49.945	ug/L	100
60) Isopropylbenzene	10.963	105	407662	50.931	ug/L	100
61) 1,2,3-Trichloropropane	11.237	75	92227	49.585	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	336363	51.340	ug/L	100
63) 1,2,4-Trimethylbenzene	11.749	105	332377	51.469	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	197713	49.676	ug/L	100
65) 1,4-Dichlorobenzene	12.042	146	199926	49.633	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	193566	49.736	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.944	75	22884	50.217	ug/L	100
69) 1,3,5-Trichlorobenzene	13.115	180	150124	50.015	ug/L	100
70) 1,2,4-trichlorobenzene	13.591	180	135903	49.876	ug/L	100
71) Naphthalene	13.774	128	393773	52.200	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	133627	49.678	ug/L	100

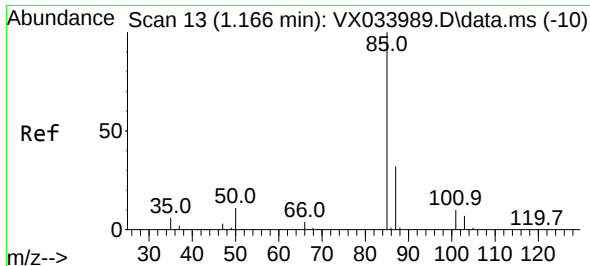
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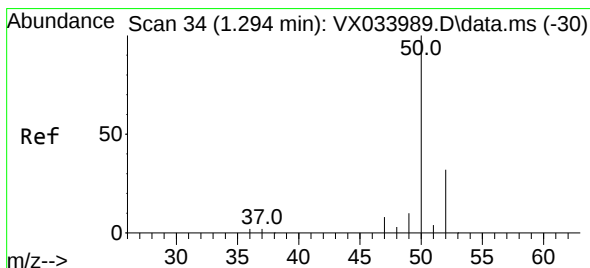
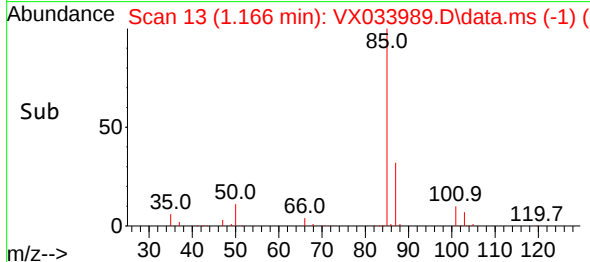
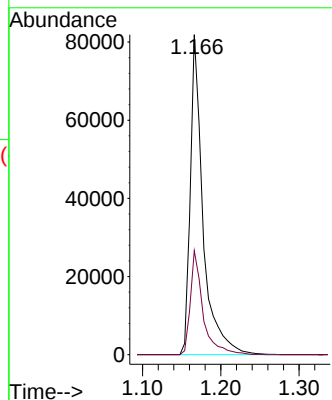
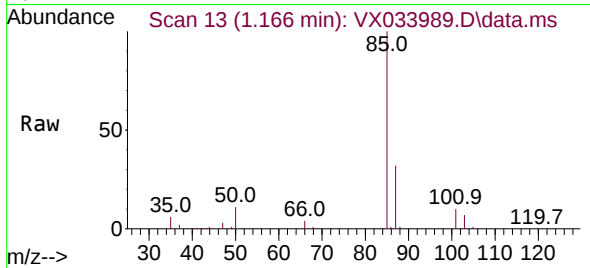




#2
 Dichlorodifluoromethane
 Concen: 48.232 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033989.D
 Acq: 02 Feb 2023 10:56

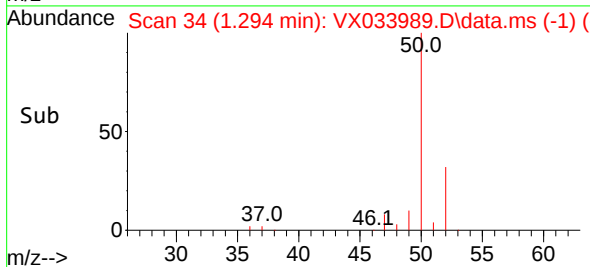
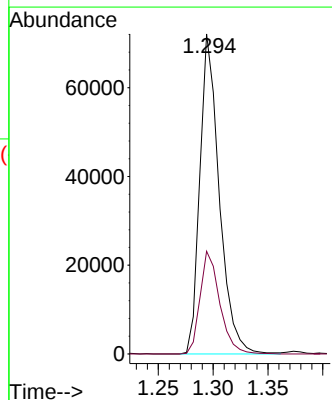
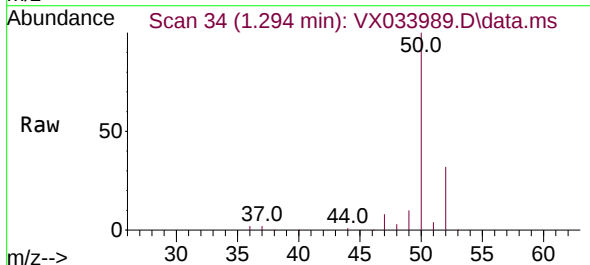
Instrument :
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 ClientSampleId :
 VSTD050615

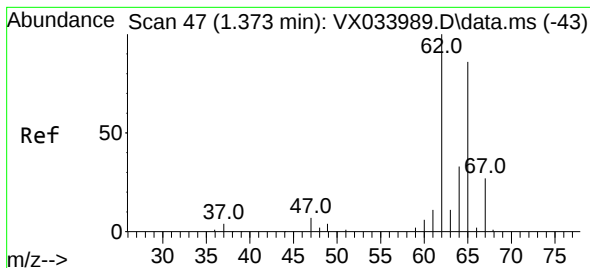
Tgt Ion: 85 Resp: 92150
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 51.049 ug/L
 RT: 1.294 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX033989.D
 Acq: 02 Feb 2023 10:56

Tgt Ion: 50 Resp: 89024
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.5 41.7





#5

Vinyl chloride

Concen: 49.995 ug/L

RT: 1.373 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

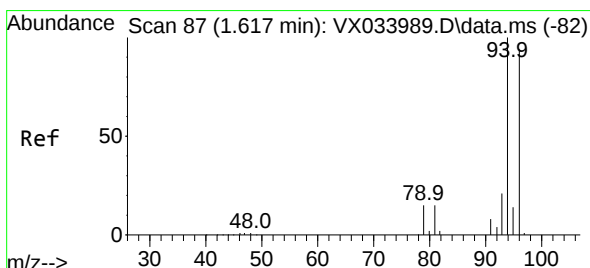
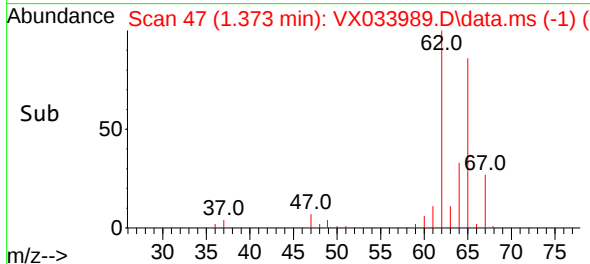
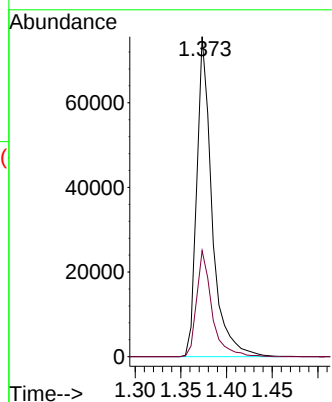
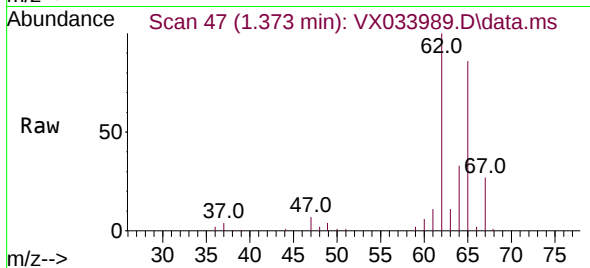
VSTD050615

Tgt Ion: 62 Resp: 88161

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 49.839 ug/L

RT: 1.617 min Scan# 87

Delta R.T. 0.000 min

Lab File: VX033989.D

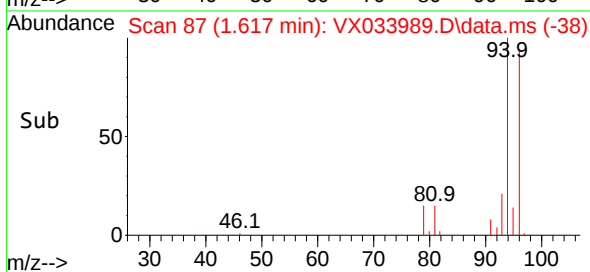
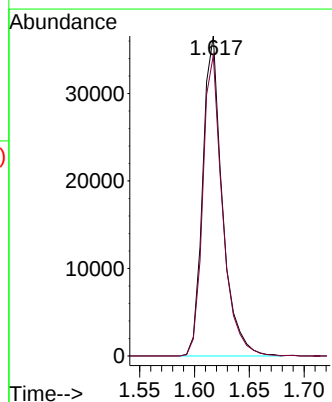
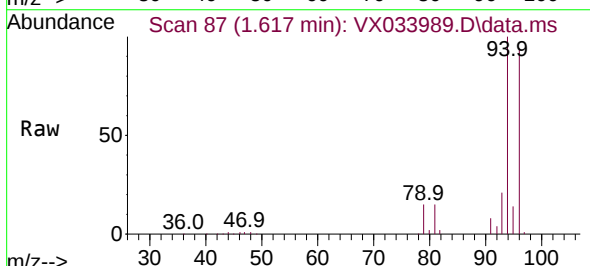
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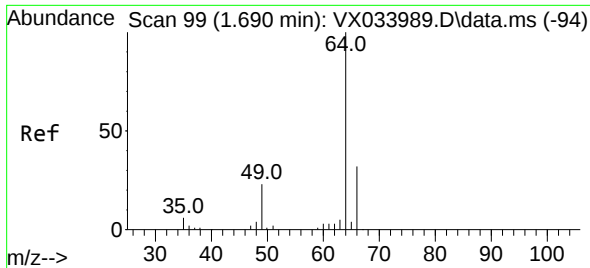
Tgt Ion: 94 Resp: 45574

Ion Ratio Lower Upper

94 100

96 93.9 65.7 122.1

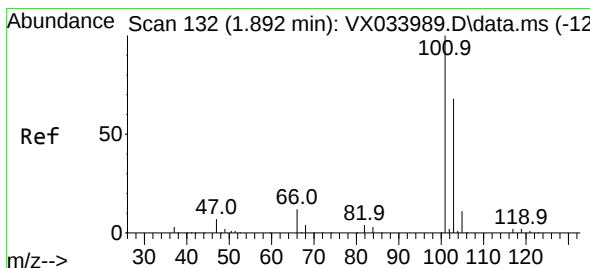
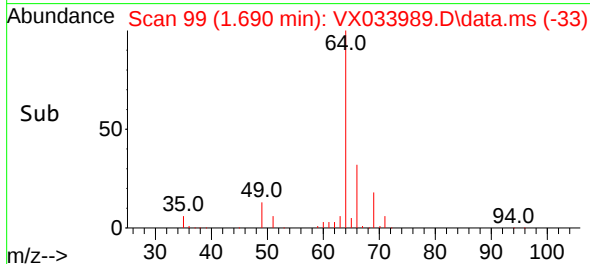
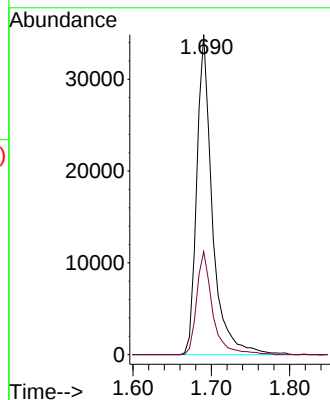
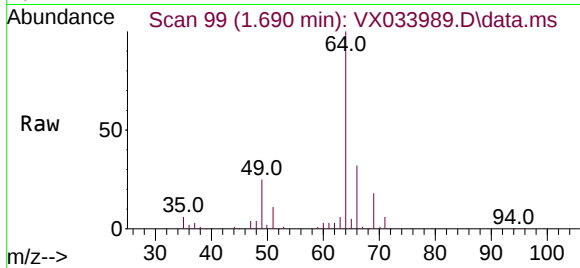




#8
Chloroethane
Concen: 51.606 ug/L
RT: 1.690 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

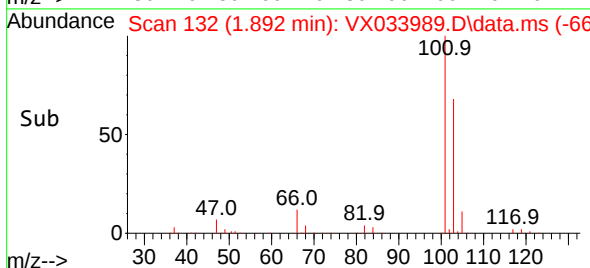
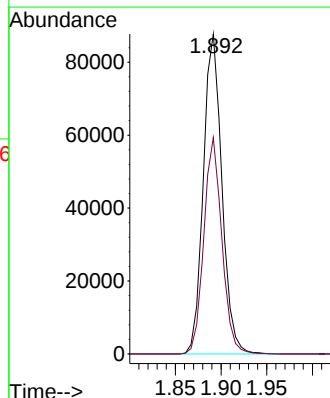
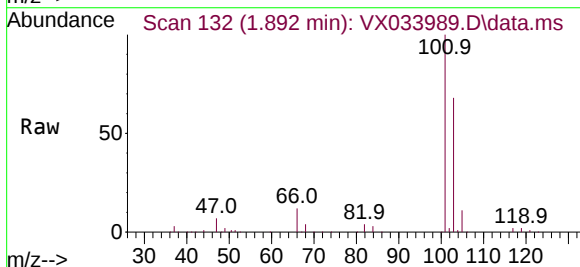
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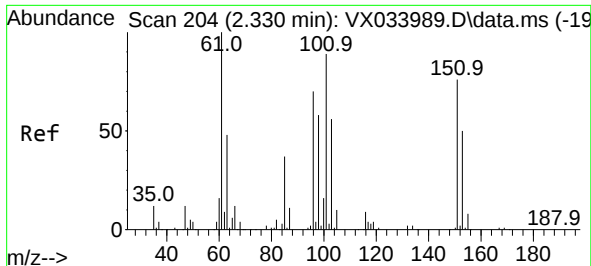
Tgt Ion: 64 Resp: 48377
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 49.476 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 101 Resp: 123661
Ion Ratio Lower Upper
101 100
103 65.7 52.6 78.8

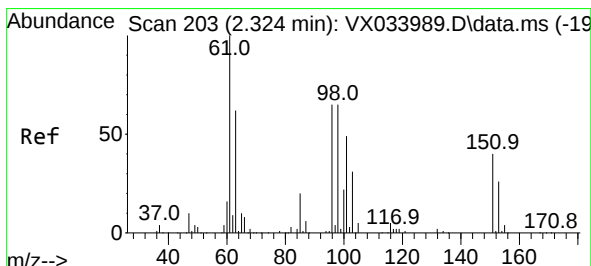
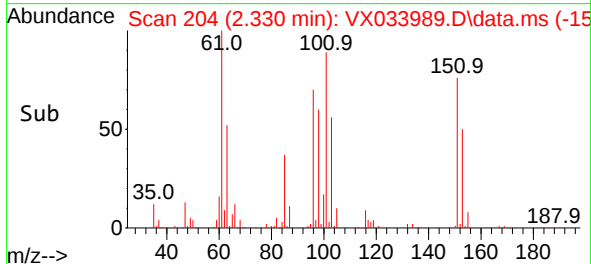
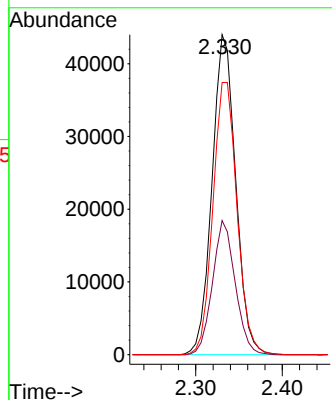
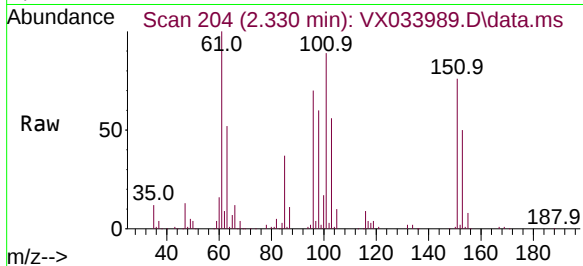




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.311 ug/L
 RT: 2.330 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX033989.D
 Acq: 02 Feb 2023 10:56

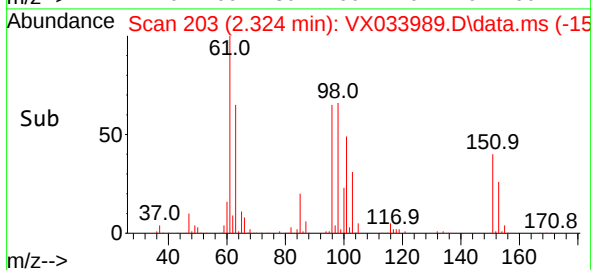
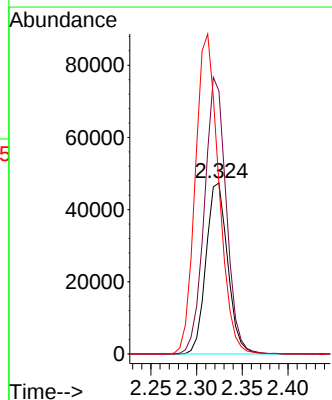
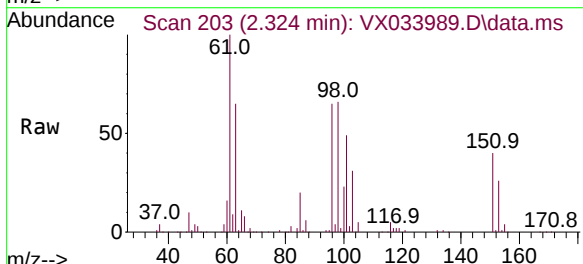
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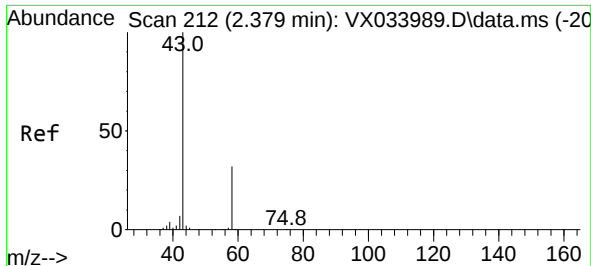
Tgt Ion:101 Resp: 83502
 Ion Ratio Lower Upper
 101 100
 85 40.3 32.2 48.4
 151 86.6 69.3 103.9



#12
 1,1-Dichloroethene
 Concen: 49.265 ug/L
 RT: 2.324 min Scan# 203
 Delta R.T. 0.000 min
 Lab File: VX033989.D
 Acq: 02 Feb 2023 10:56

Tgt Ion: 96 Resp: 77894
 Ion Ratio Lower Upper
 96 100
 61 153.7 107.6 199.8
 63 99.4 69.6 129.2





#13

Acetone

Concen: 92.435 ug/L

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

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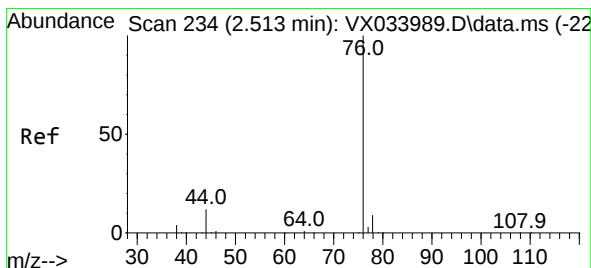
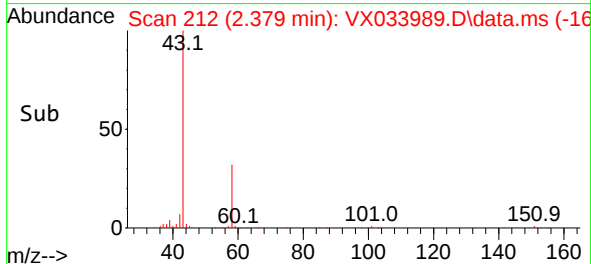
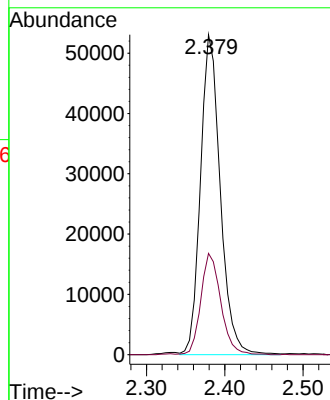
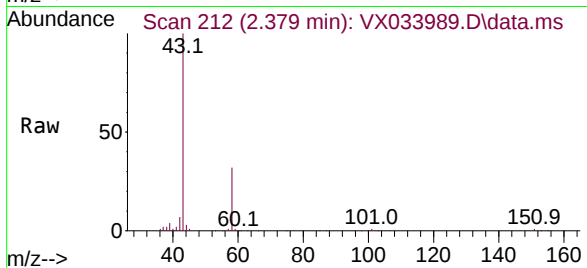
VSTD050615

Tgt Ion: 43 Resp: 93250

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.8



#14

Carbon disulfide

Concen: 49.621 ug/L

RT: 2.513 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033989.D

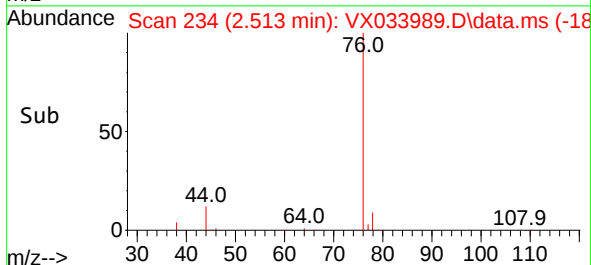
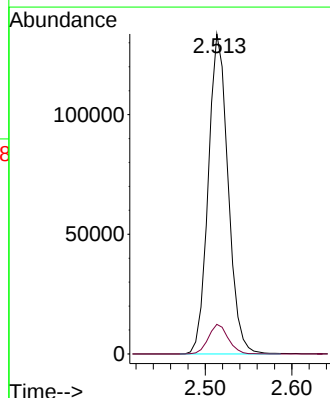
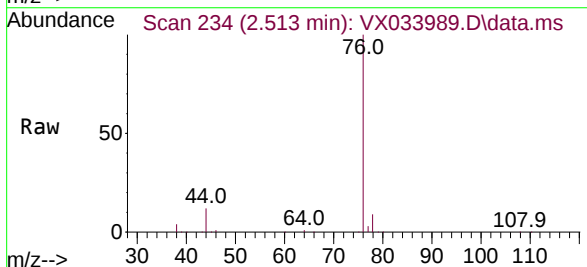
Acq: 02 Feb 2023 10:56

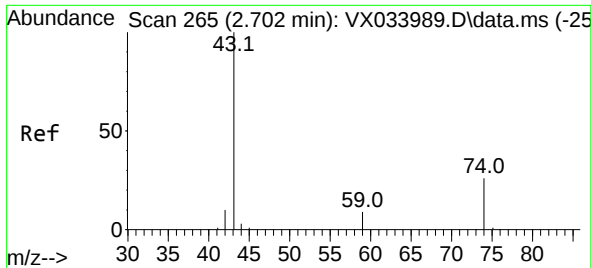
Tgt Ion: 76 Resp: 212351

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

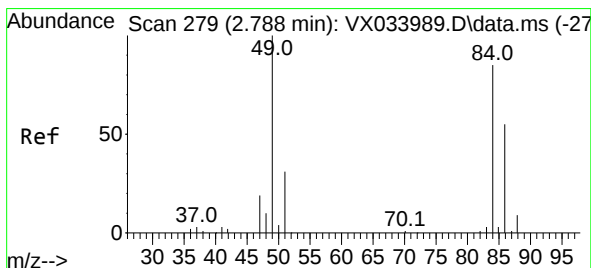
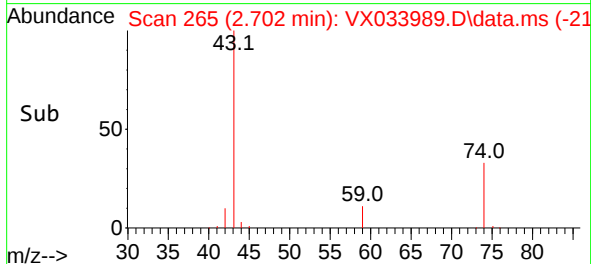
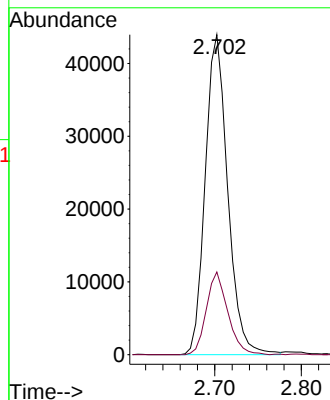
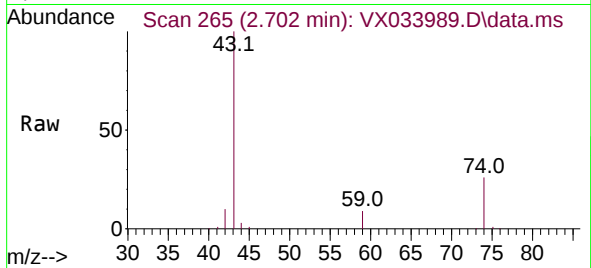




#15
Methyl Acetate
Concen: 49.290 ug/L
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

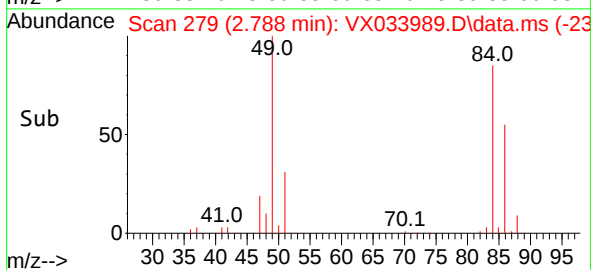
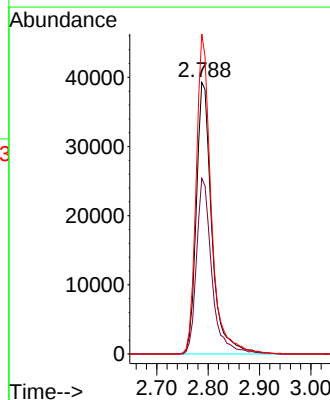
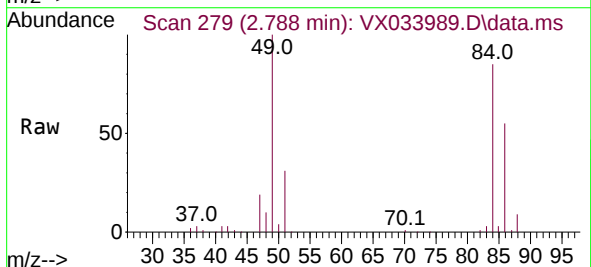
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

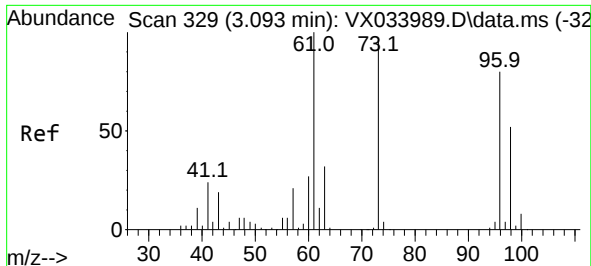
Tgt Ion: 43 Resp: 79218
Ion Ratio Lower Upper
43 100
74 24.6 19.7 29.5



#16
Methylene chloride
Concen: 49.212 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 84 Resp: 82398
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 117.8 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 49.063 ug/L

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

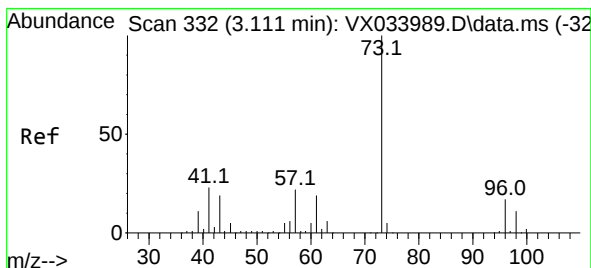
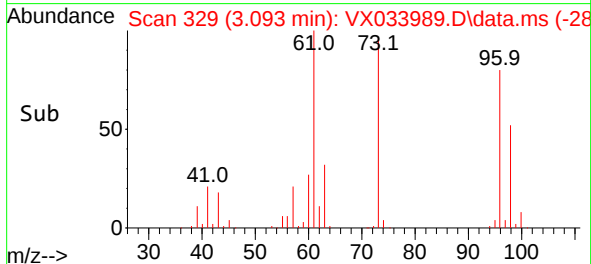
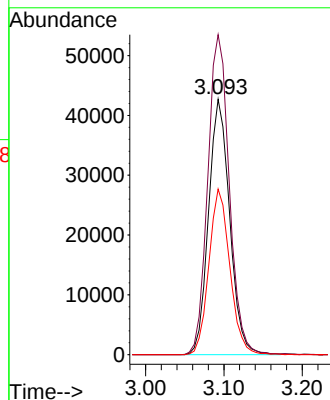
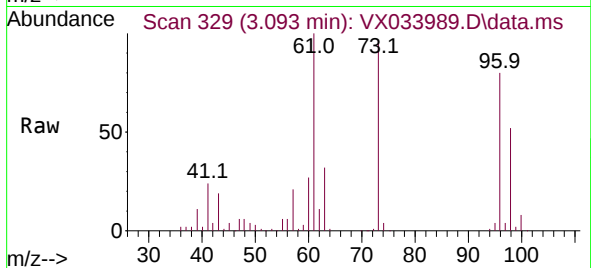
Tgt Ion: 96 Resp: 80080

Ion Ratio Lower Upper

96 100

61 125.3 87.7 162.9

98 64.9 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 48.386 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

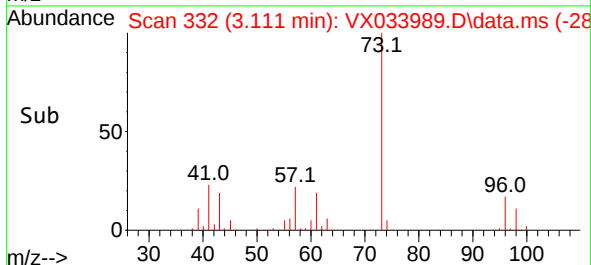
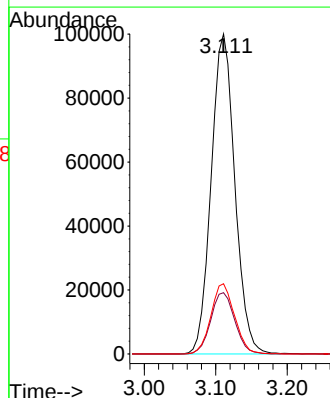
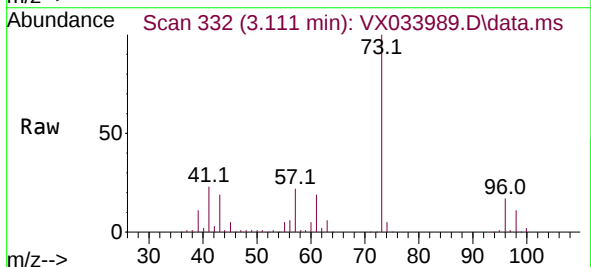
Tgt Ion: 73 Resp: 229946

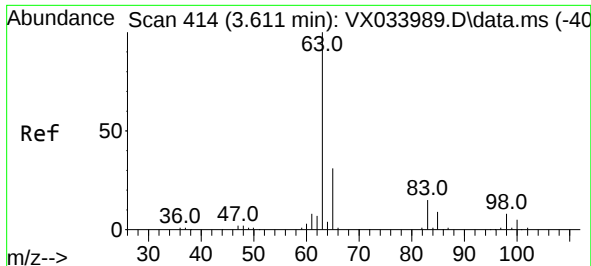
Ion Ratio Lower Upper

73 100

43 19.5 15.6 23.4

57 21.9 17.5 26.3





#19

1,1-Dichloroethane

Concen: 49.067 ug/L

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

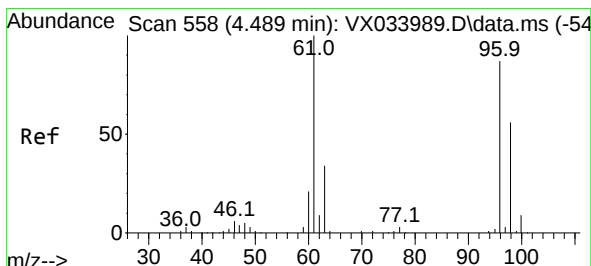
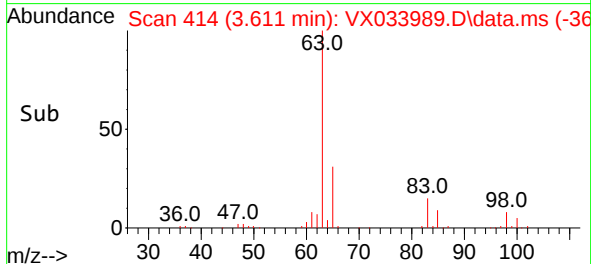
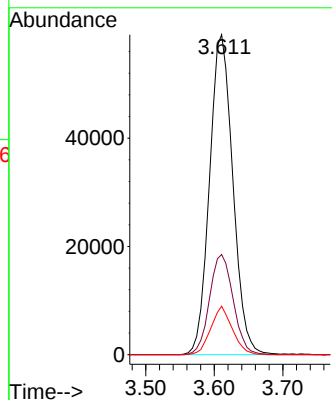
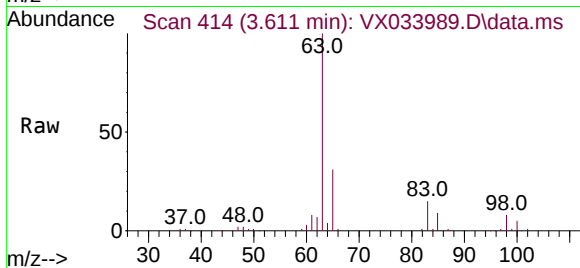
Tgt Ion: 63 Resp: 139771

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

83 15.1 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 49.095 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

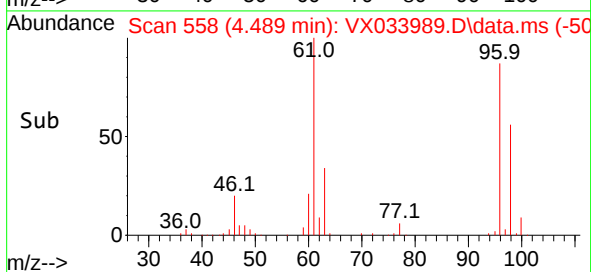
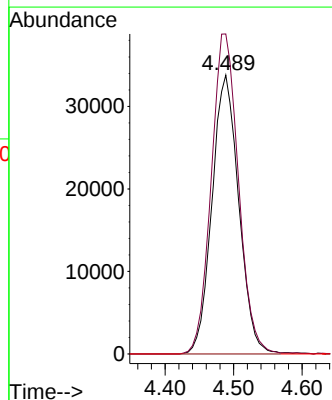
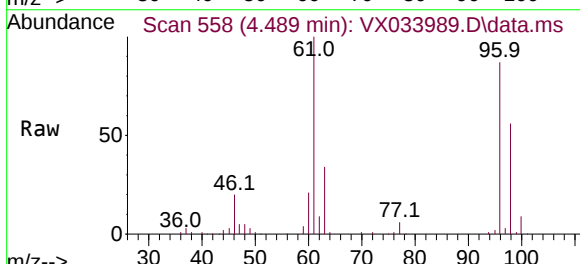
Tgt Ion: 96 Resp: 91575

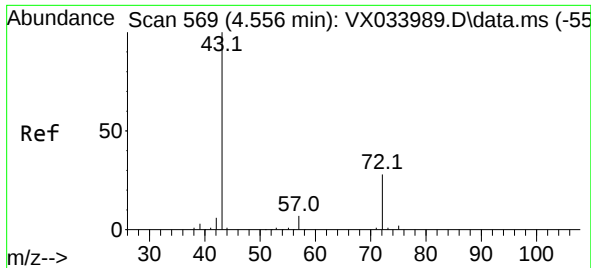
Ion Ratio Lower Upper

96 100

61 114.7 80.3 149.1

68 0.0 0.0 0.0

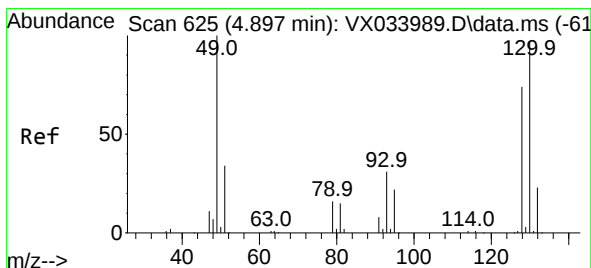
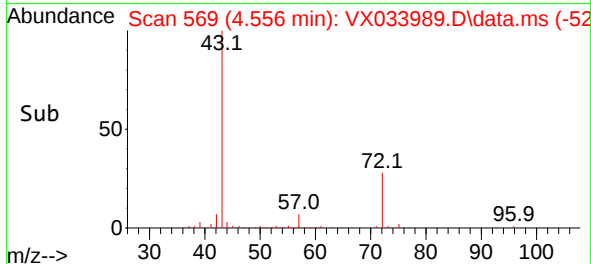
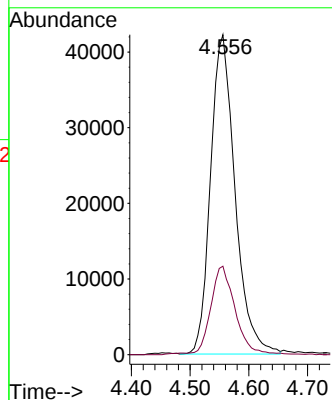
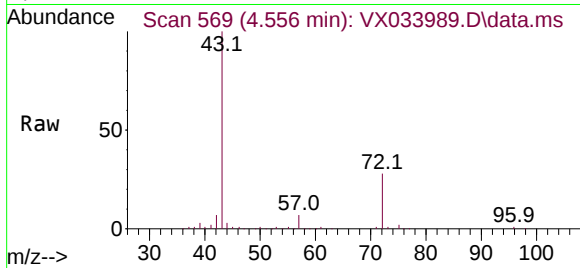




#22
2-Butanone
Concen: 98.735 ug/L
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

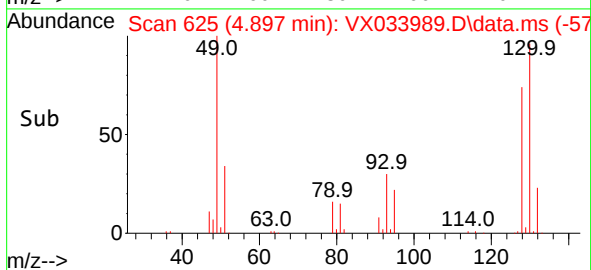
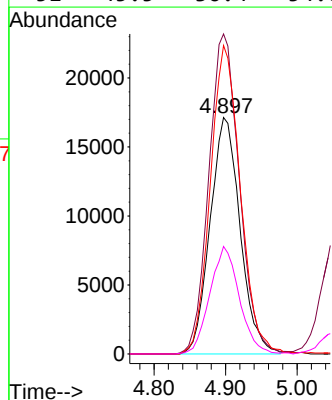
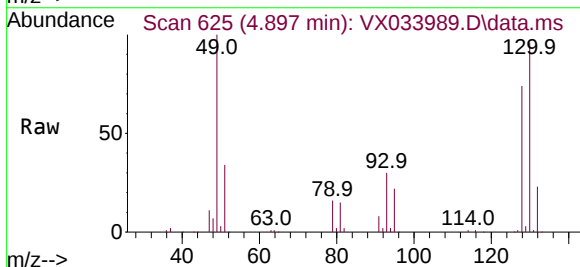
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

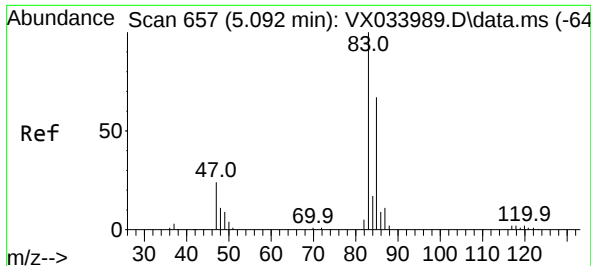
Tgt Ion: 43 Resp: 122333
Ion Ratio Lower Upper
43 100
72 26.4 13.2 39.6



#23
Bromochloromethane
Concen: 48.827 ug/L
RT: 4.897 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 128 Resp: 49997
Ion Ratio Lower Upper
128 100
49 135.3 94.7 175.9
130 130.5 91.3 169.6
51 45.5 36.4 54.6





#25

Chloroform

Concen: 49.661 ug/L

RT: 5.092 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

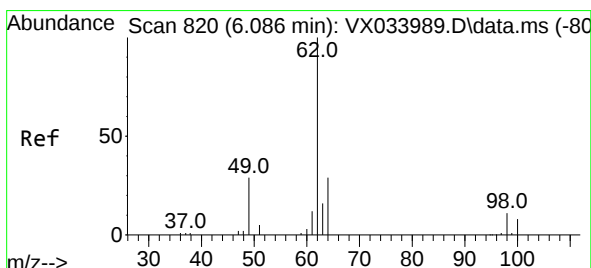
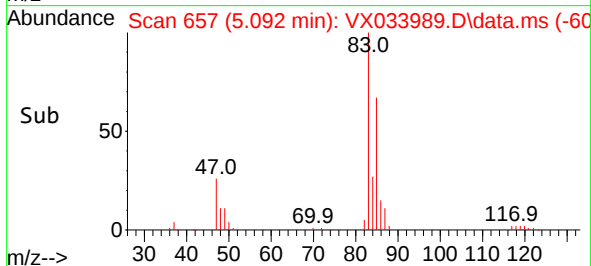
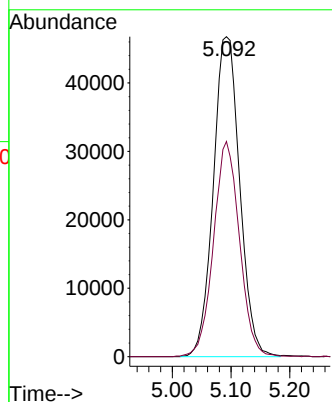
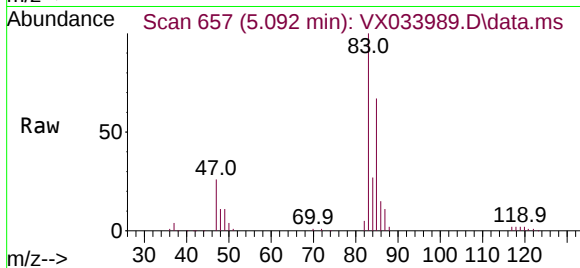
VSTD050615

Tgt Ion: 83 Resp: 146083

Ion Ratio Lower Upper

83 100

85 67.2 47.0 87.4



#27

1,2-Dichloroethane

Concen: 49.324 ug/L

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX033989.D

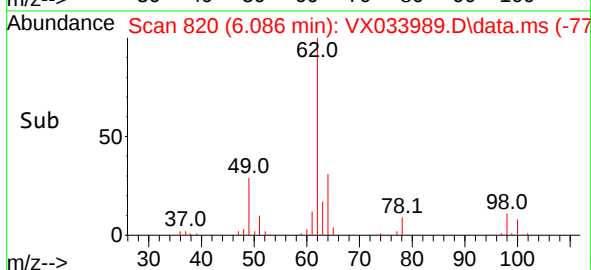
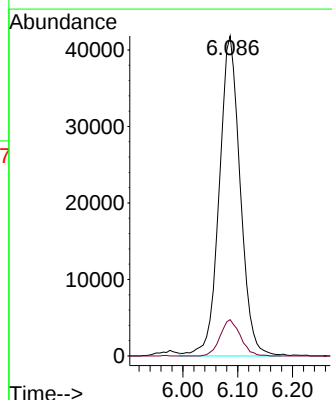
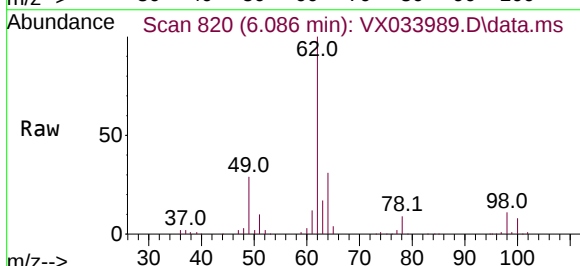
Acq: 02 Feb 2023 10:56

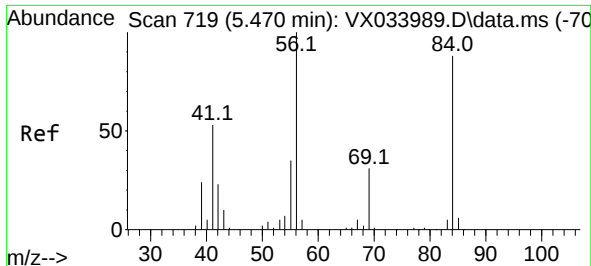
Tgt Ion: 62 Resp: 111358

Ion Ratio Lower Upper

62 100

98 11.4 9.1 13.7

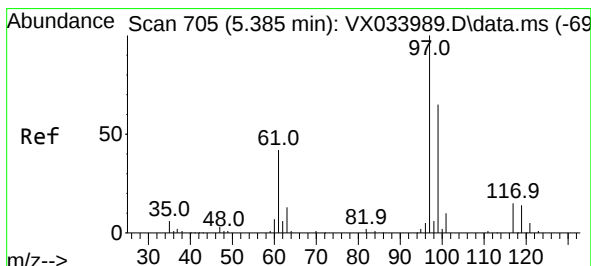
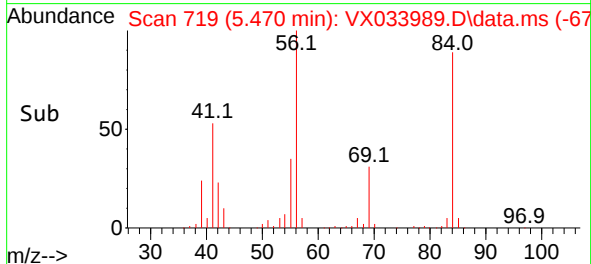
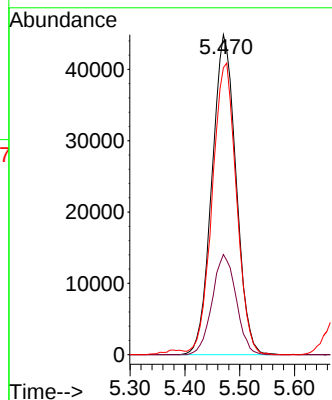
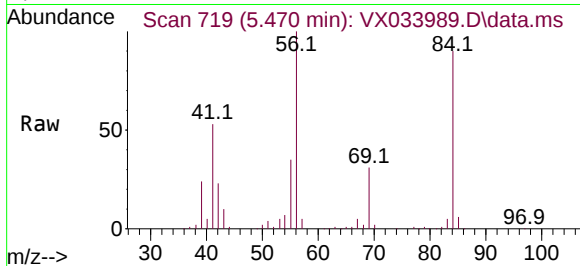




#29
Cyclohexane
Concen: 49.640 ug/L
RT: 5.470 min Scan# 719
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

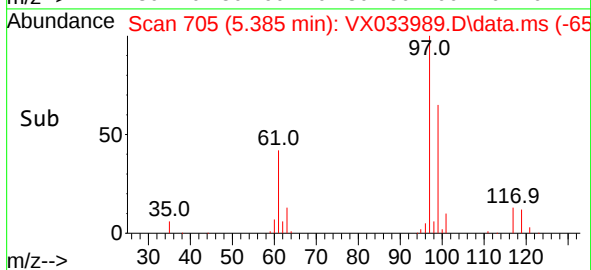
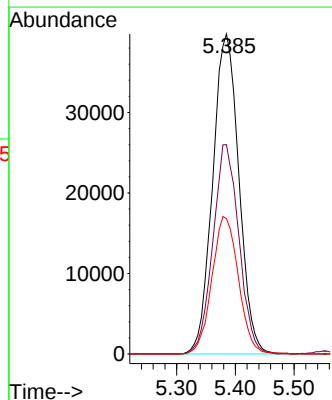
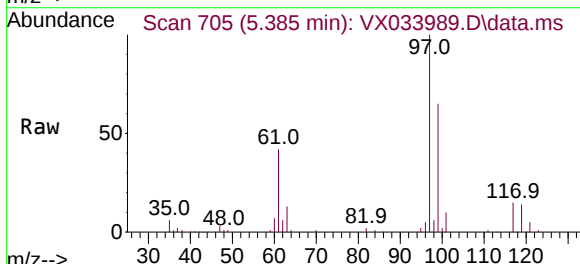
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

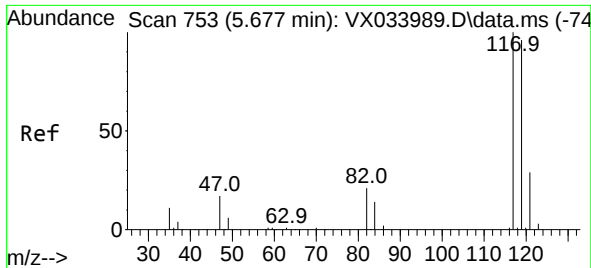
Tgt Ion: 56 Resp: 136919
Ion Ratio Lower Upper
56 100
69 31.0 24.8 37.2
84 91.5 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 48.364 ug/L
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 97 Resp: 123275
Ion Ratio Lower Upper
97 100
99 64.8 51.8 77.8
61 43.4 34.7 52.1

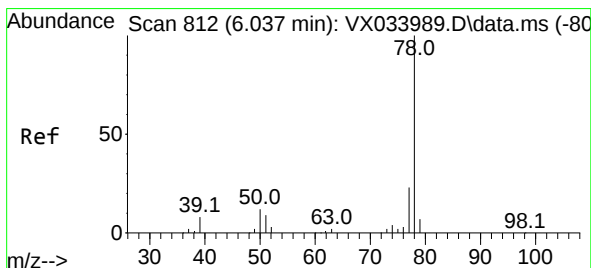
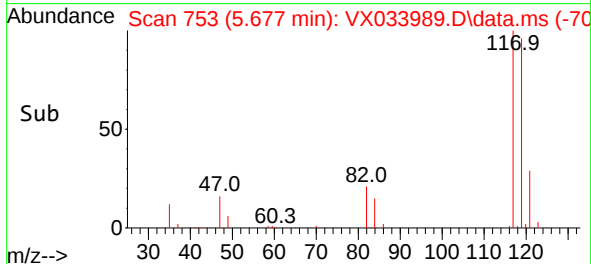
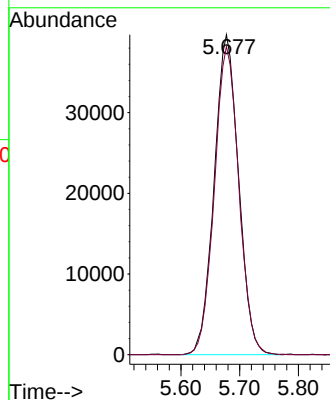
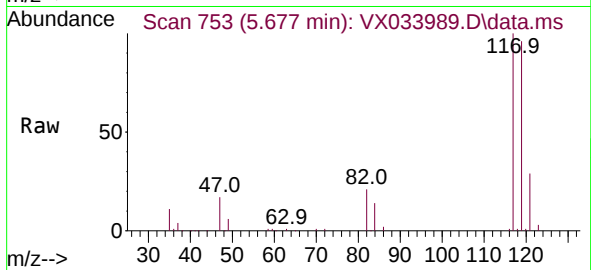




#31
Carbon tetrachloride
Concen: 48.306 ug/L
RT: 5.677 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

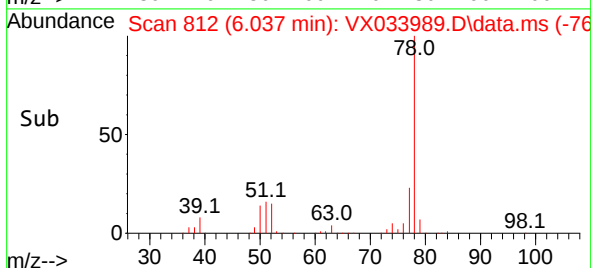
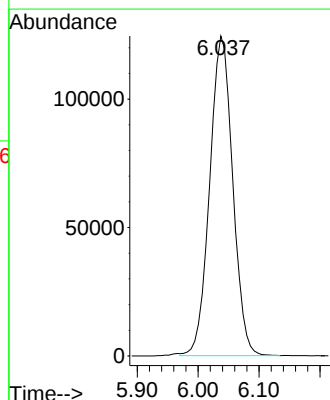
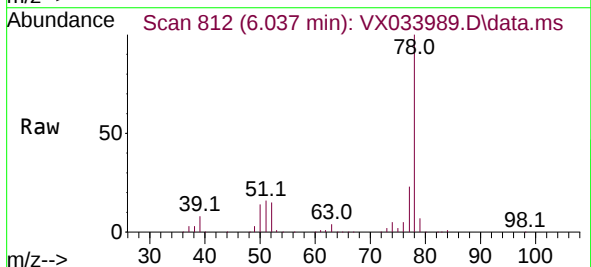
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

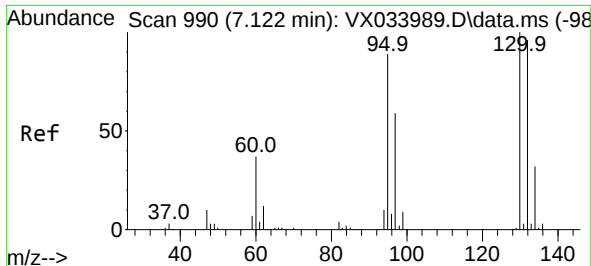
Tgt Ion:117 Resp: 114553
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 48.764 ug/L
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 78 Resp: 327010

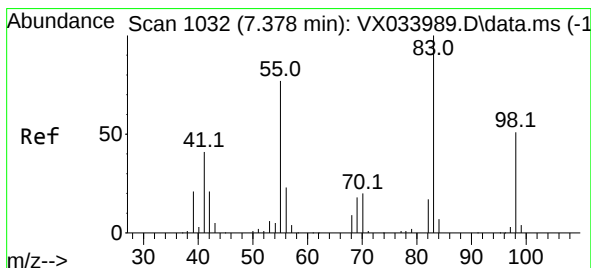
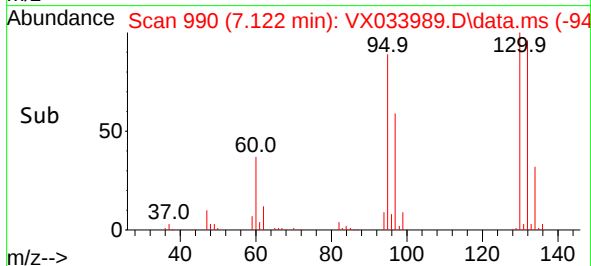
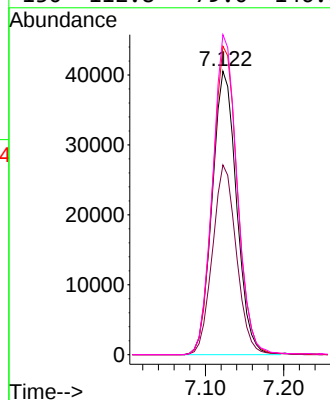
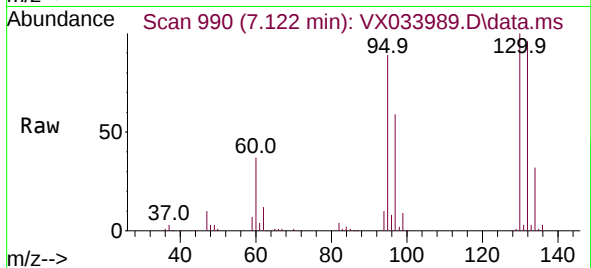




#34
Trichloroethene
Concen: 48.307 ug/L
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

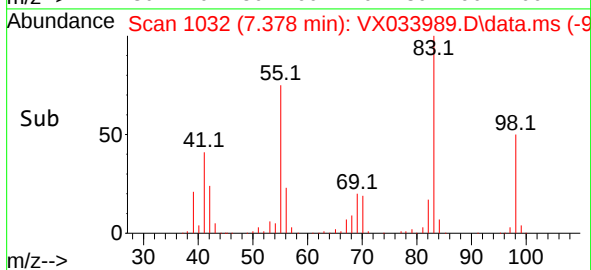
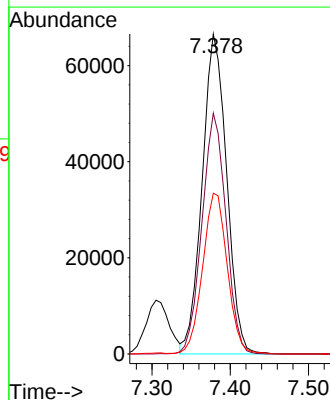
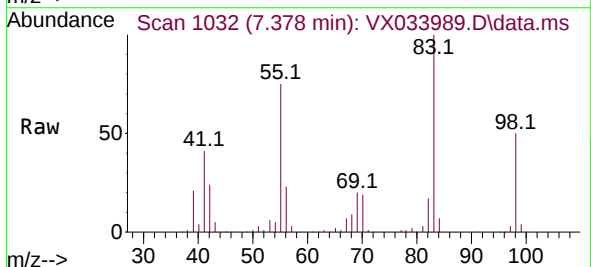
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

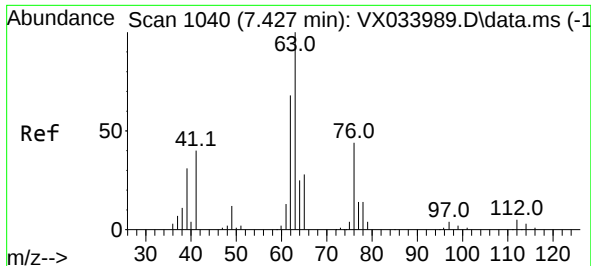
Tgt Ion: 95 Resp: 87794
Ion Ratio Lower Upper
95 100
97 66.9 46.8 87.0
132 108.8 76.2 141.4
130 112.8 79.0 146.6



#35
Methylcyclohexane
Concen: 49.861 ug/L
RT: 7.378 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 83 Resp: 144497
Ion Ratio Lower Upper
83 100
55 73.7 59.0 88.4
98 50.7 40.6 60.8





#37

1,2-Dichloropropane

Concen: 49.037 ug/L

RT: 7.427 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

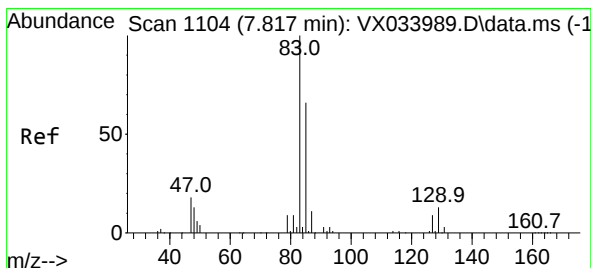
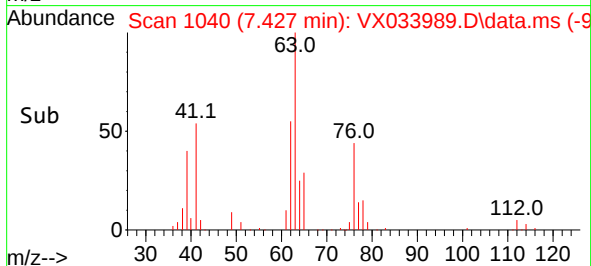
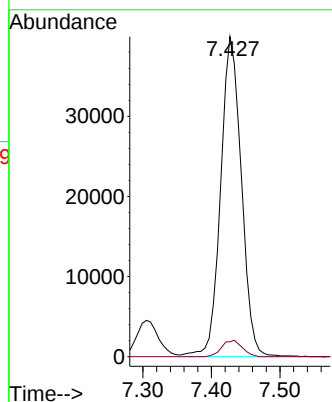
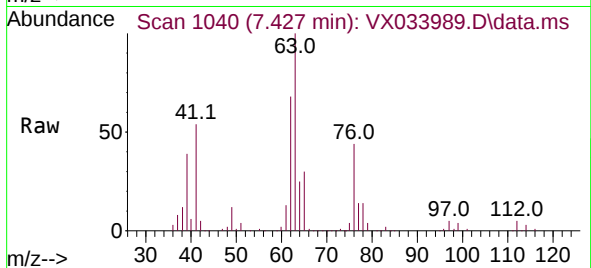
VSTD050615

Tgt Ion: 63 Resp: 83755

Ion Ratio Lower Upper

63 100

112 5.1 4.1 6.1



#38

Bromodichloromethane

Concen: 48.527 ug/L

RT: 7.817 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

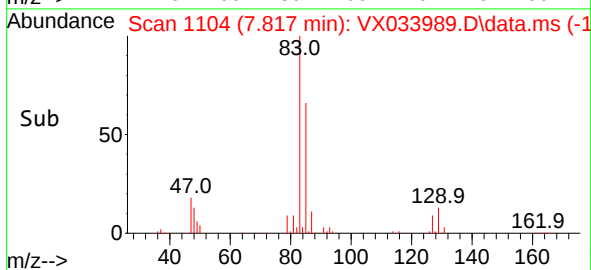
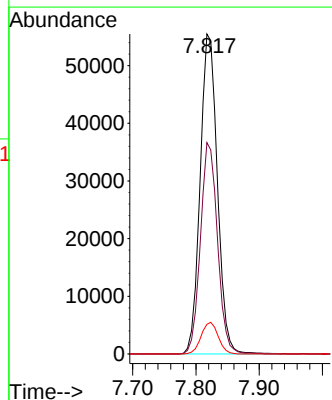
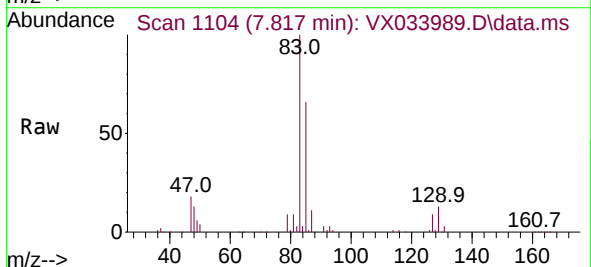
Tgt Ion: 83 Resp: 105390

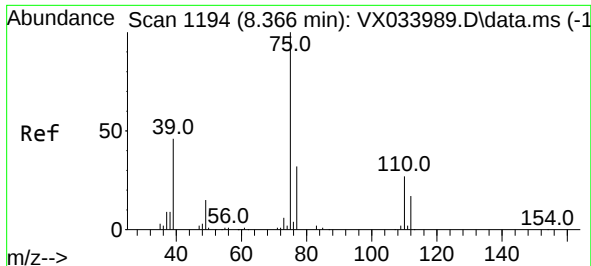
Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

127 9.2 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 50.516 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

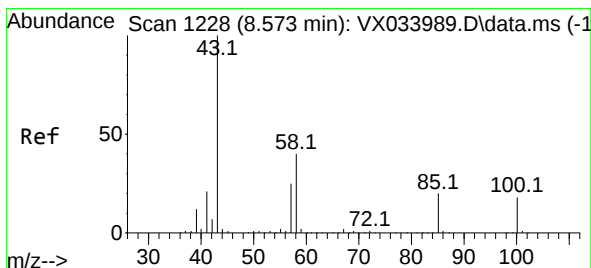
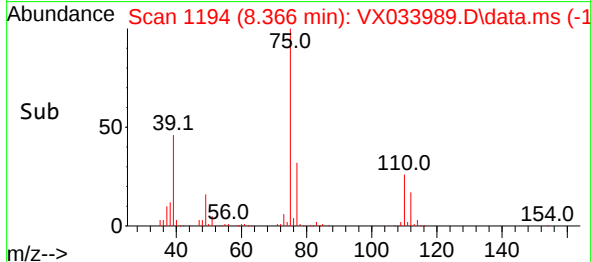
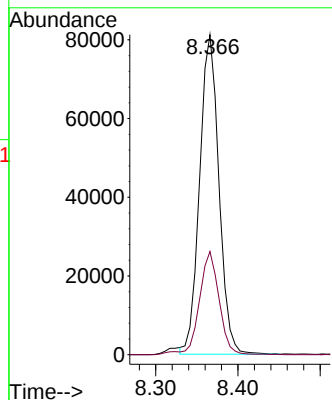
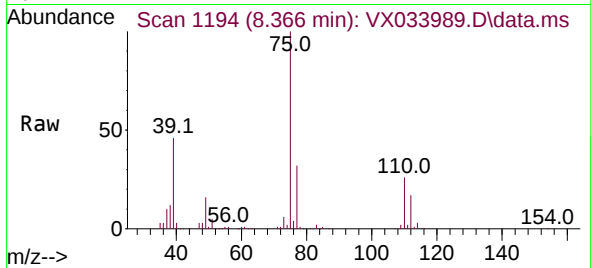
VSTD050615

Tgt Ion: 75 Resp: 132431

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 102.264 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

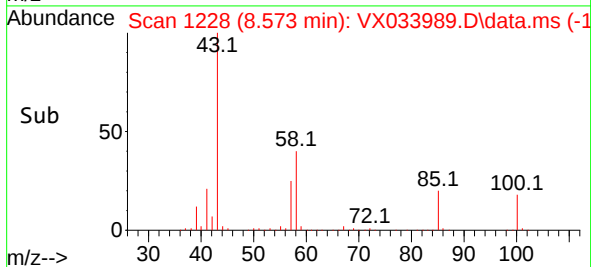
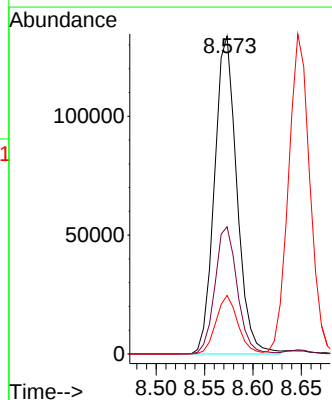
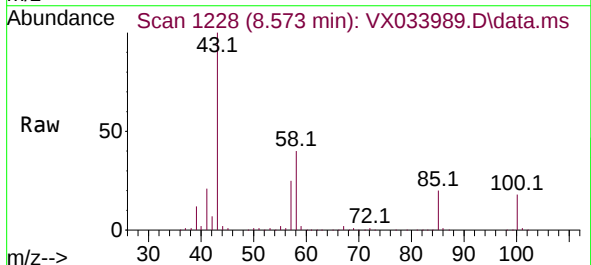
Tgt Ion: 43 Resp: 214946

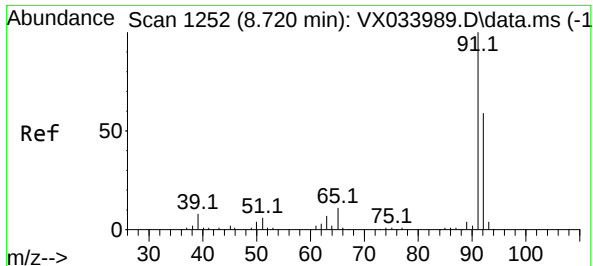
Ion Ratio Lower Upper

43 100

58 39.9 31.9 47.9

100 18.0 14.4 21.6





#42

Toluene

Concen: 49.672 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

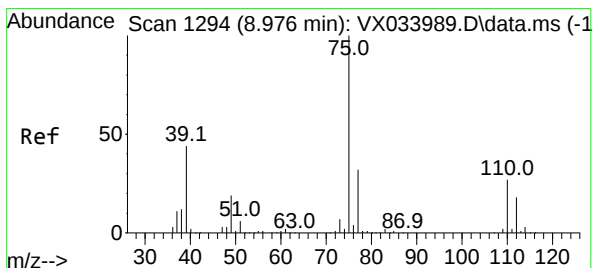
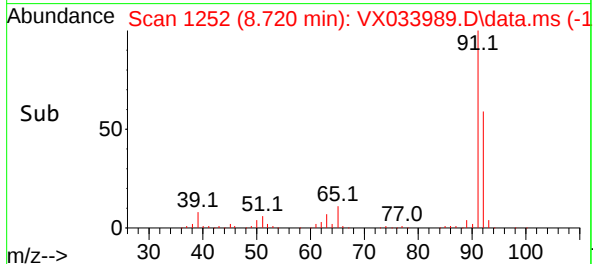
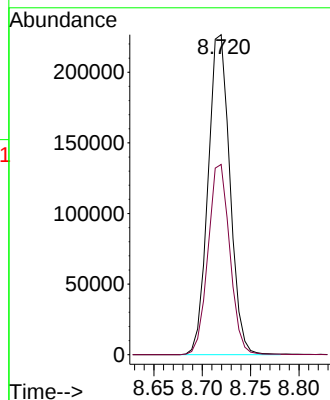
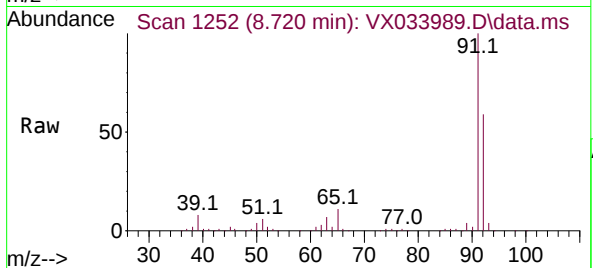
VSTD050615

Tgt Ion: 91 Resp: 356321

Ion Ratio Lower Upper

91 100

92 59.5 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 50.382 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX033989.D

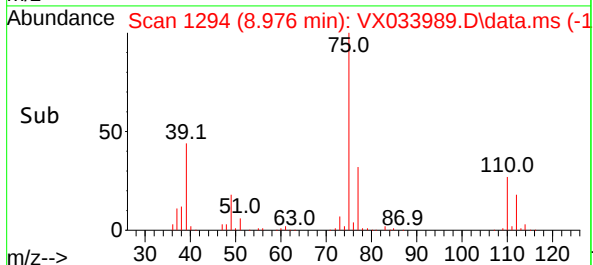
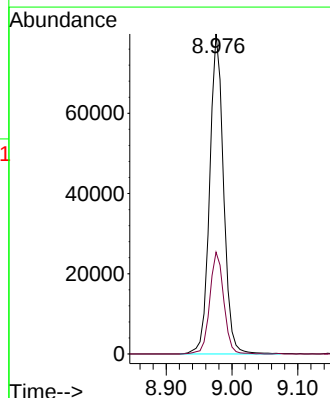
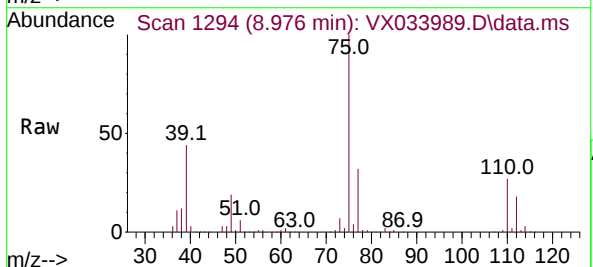
Acq: 02 Feb 2023 10:56

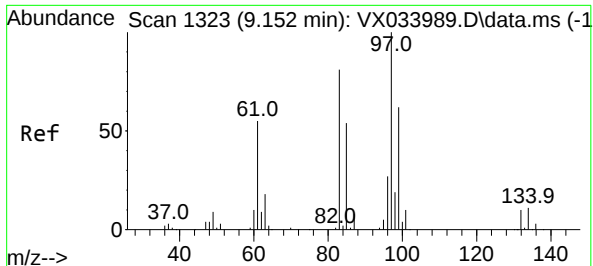
Tgt Ion: 75 Resp: 117532

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

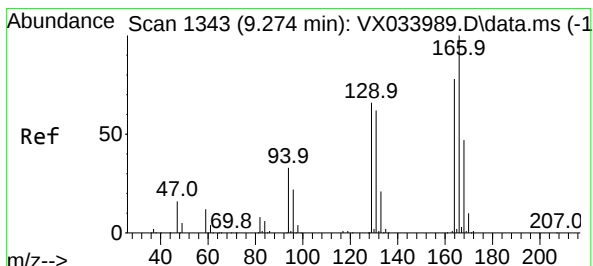
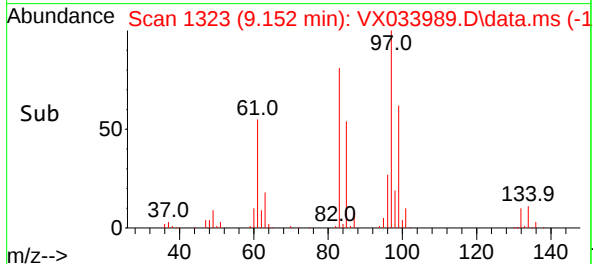
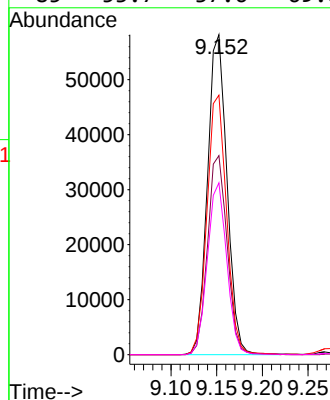
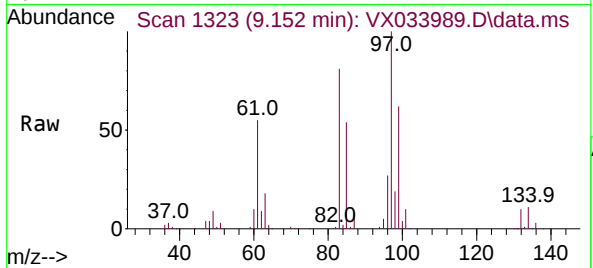




#45
1,1,2-Trichloroethane
Concen: 49.838 ug/L
RT: 9.152 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

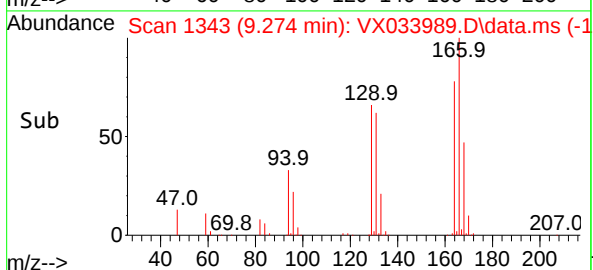
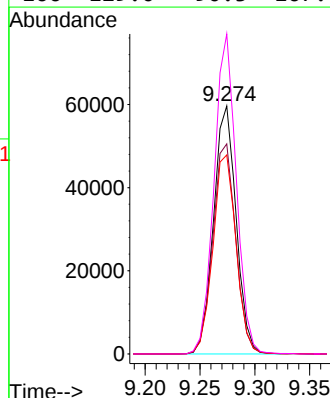
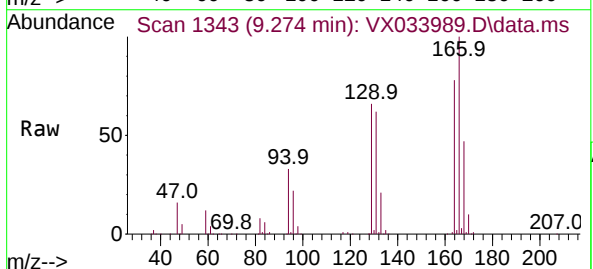
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

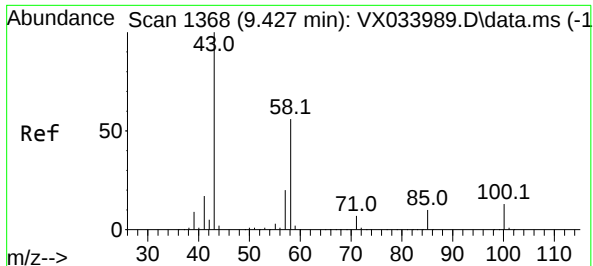
Tgt Ion:	97	Resp:	86167
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	81.1	56.8	105.4
85	53.7	37.6	69.8



#46
Tetrachloroethene
Concen: 48.939 ug/L
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion:	164	Resp:	85395
Ion	Ratio	Lower	Upper
164	100		
129	84.7	59.3	110.1
131	80.2	56.1	104.3
166	129.0	90.3	167.7





#48

2-Hexanone

Concen: 98.324 ug/L

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

Tgt Ion: 43 Resp: 164696

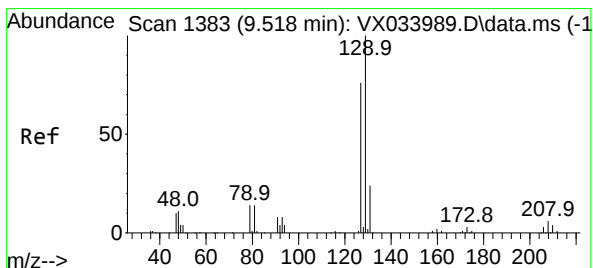
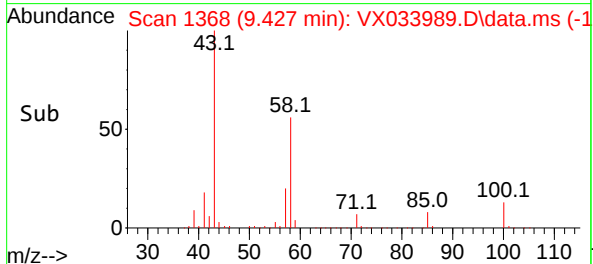
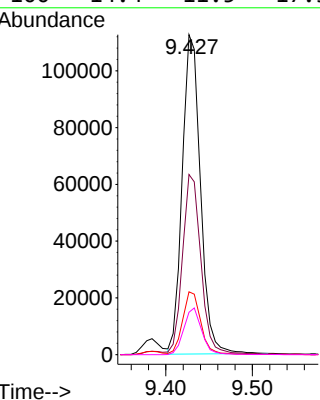
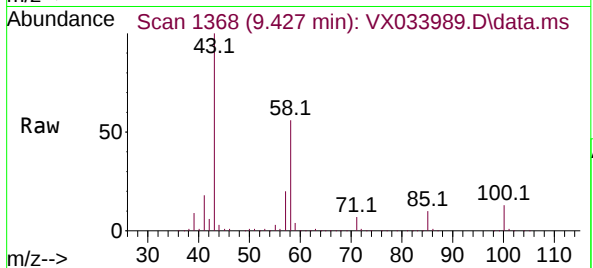
Ion Ratio Lower Upper

43 100

58 57.1 45.7 68.5

57 19.8 15.8 23.8

100 14.4 11.5 17.3



#49

Dibromochloromethane

Concen: 49.928 ug/L

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX033989.D

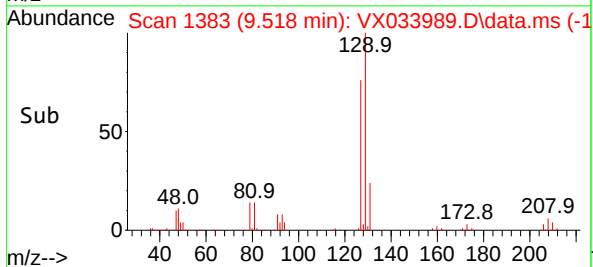
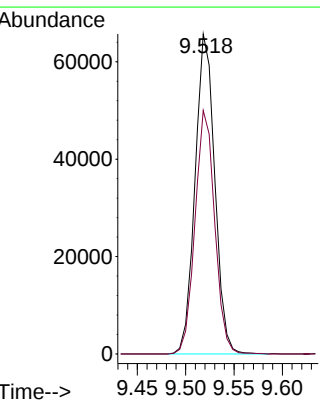
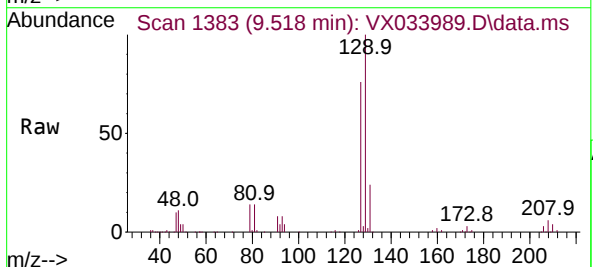
Acq: 02 Feb 2023 10:56

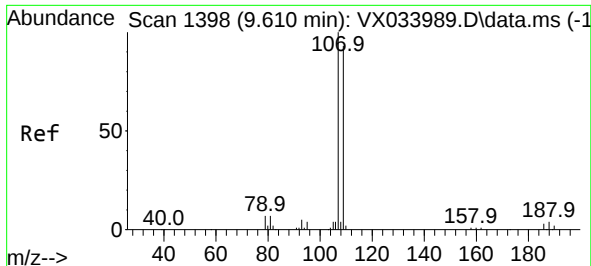
Tgt Ion: 129 Resp: 93140

Ion Ratio Lower Upper

129 100

127 76.1 53.3 98.9





#50

1,2-Dibromoethane

Concen: 49.504 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

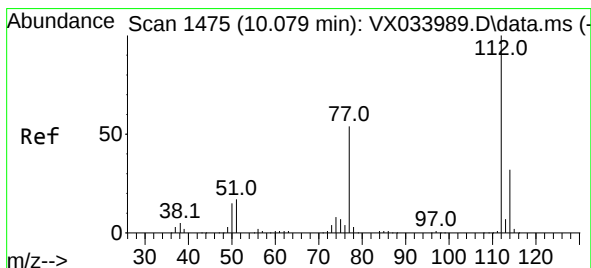
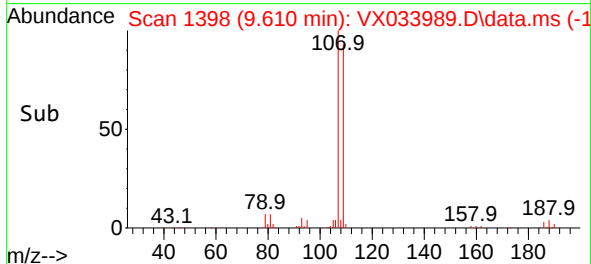
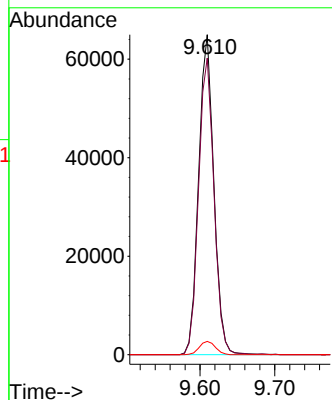
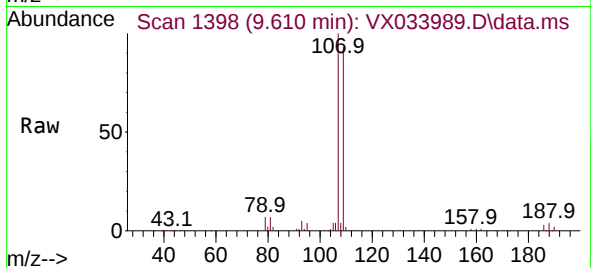
Tgt Ion:107 Resp: 91976

Ion Ratio Lower Upper

107 100

109 92.7 64.9 120.5

188 4.1 3.3 4.9



#51

Chlorobenzene

Concen: 49.315 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

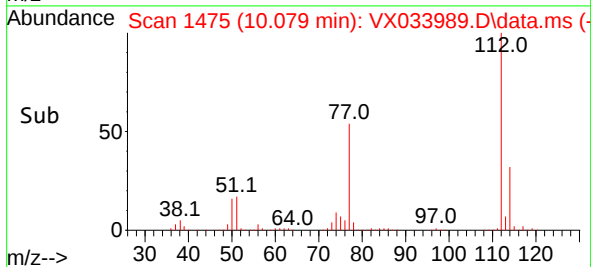
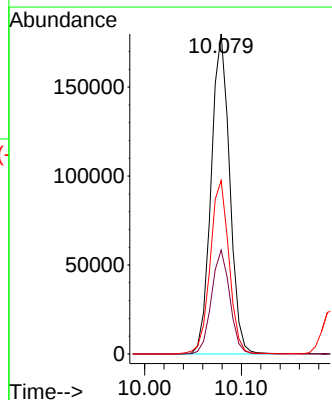
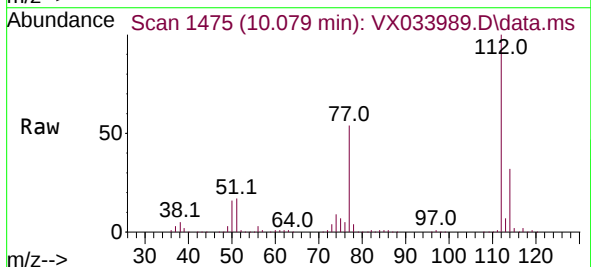
Tgt Ion:112 Resp: 238998

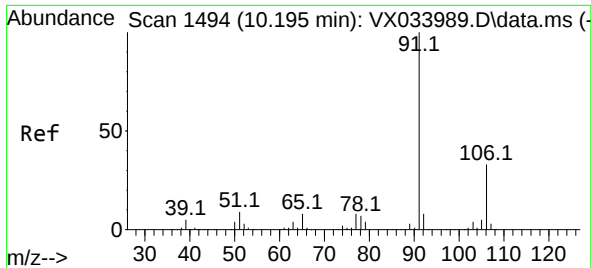
Ion Ratio Lower Upper

112 100

114 32.5 22.7 42.3

77 54.2 43.4 65.0

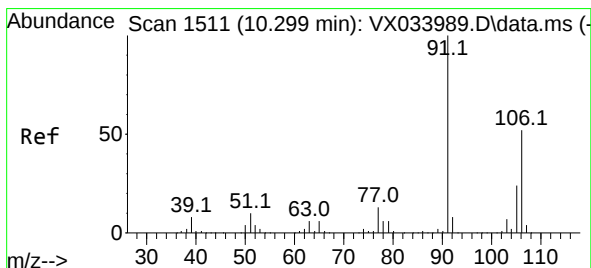
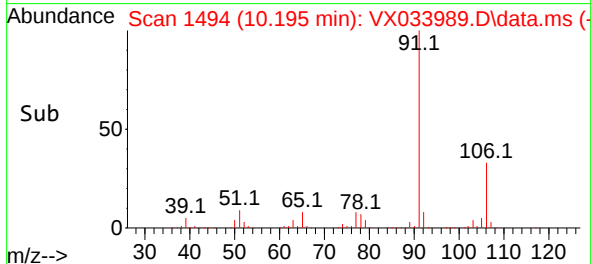
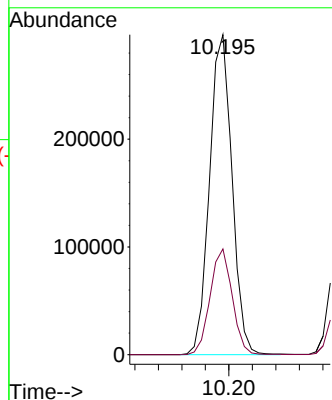
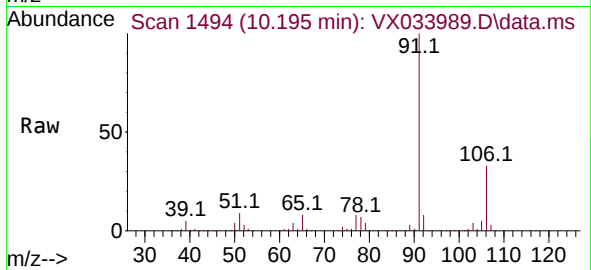




#52
Ethylbenzene
Concen: 49.996 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

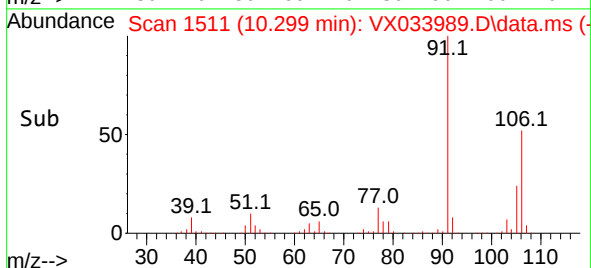
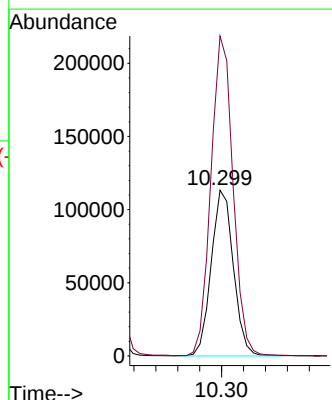
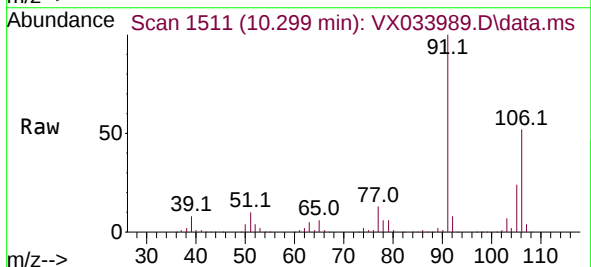
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

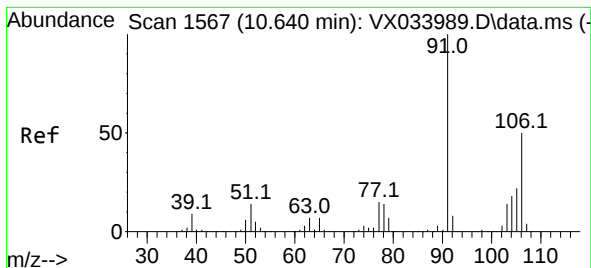
Tgt Ion: 91 Resp: 394137
Ion Ratio Lower Upper
91 100
106 33.1 23.2 43.0



#53
m,p-Xylene
Concen: 50.295 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 106 Resp: 159158
Ion Ratio Lower Upper
106 100
91 193.1 135.2 251.0





#54

o-Xylene

Concen: 50.325 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

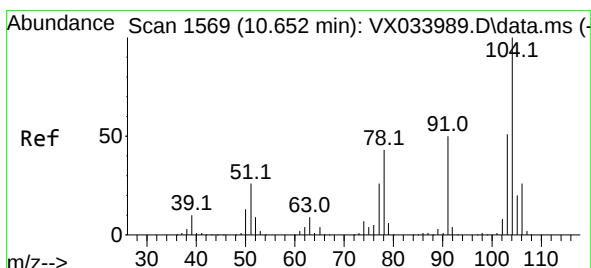
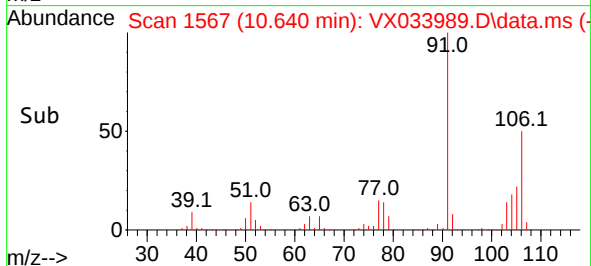
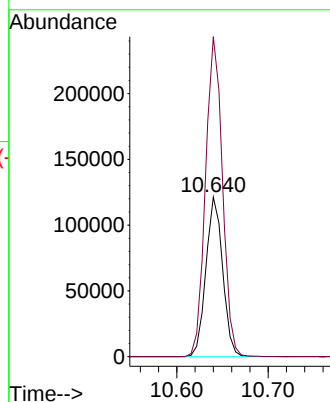
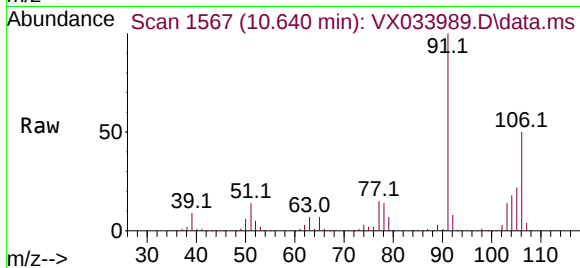
VSTD050615

Tgt Ion:106 Resp: 153853

Ion Ratio Lower Upper

106 100

91 200.3 140.2 260.4



#55

Styrene

Concen: 50.772 ug/L

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX033989.D

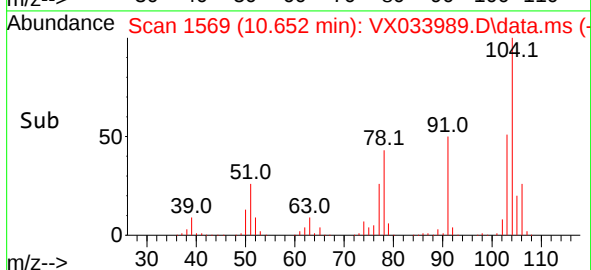
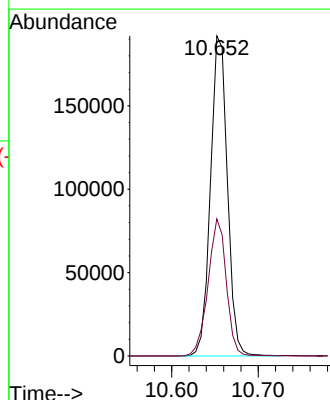
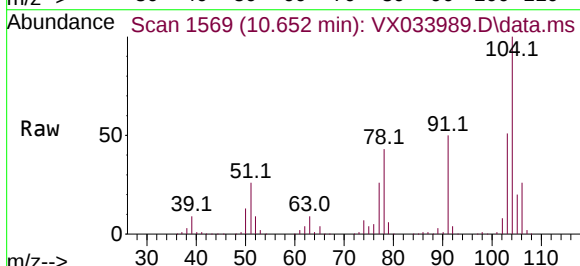
Acq: 02 Feb 2023 10:56

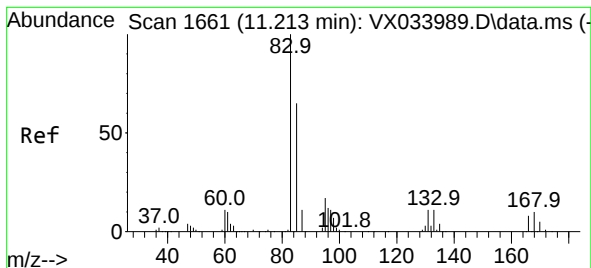
Tgt Ion:104 Resp: 260401

Ion Ratio Lower Upper

104 100

78 42.9 30.0 55.8





#57

1,1,2,2-Tetrachloroethane

Concen: 49.720 ug/L

RT: 11.213 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

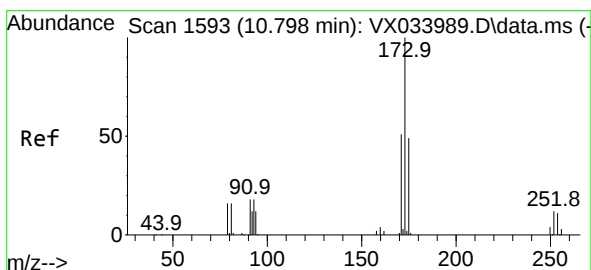
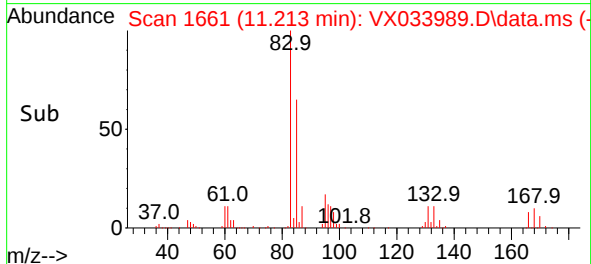
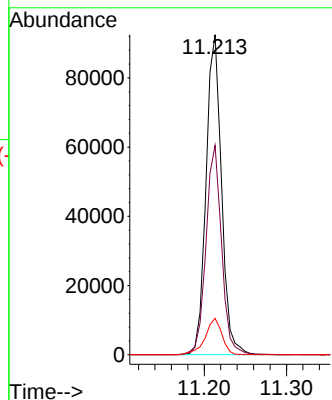
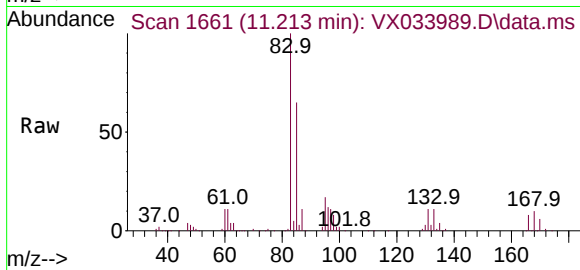
Tgt Ion: 83 Resp: 120849

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

131 11.4 9.1 13.7



#59

Bromoform

Concen: 49.945 ug/L

RT: 10.798 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

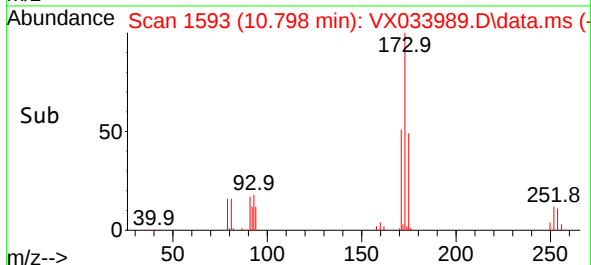
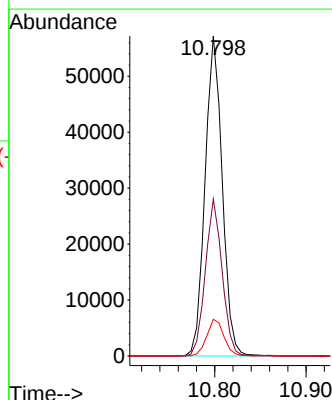
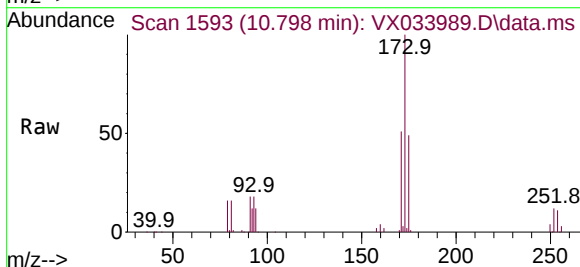
Tgt Ion: 173 Resp: 74471

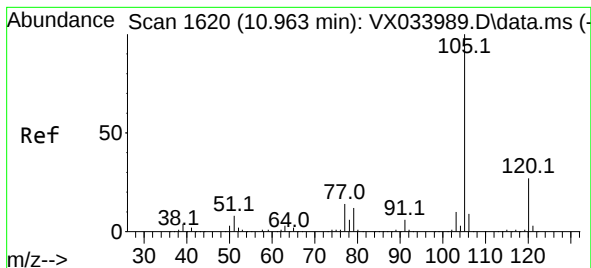
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 11.4 9.1 13.7





#60

Isopropylbenzene

Concen: 50.931 ug/L

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

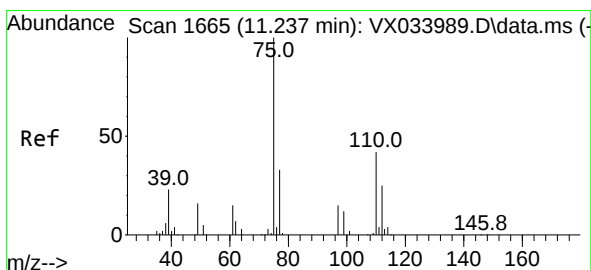
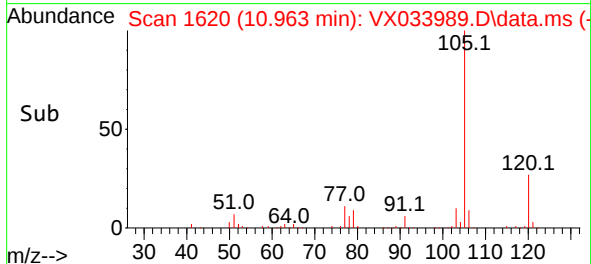
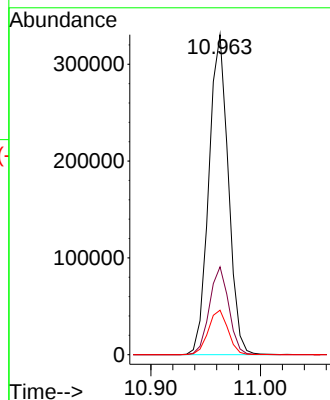
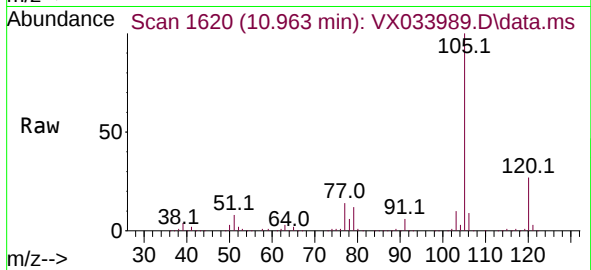
Tgt Ion:105 Resp: 407662

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.6

77 14.1 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 49.585 ug/L

RT: 11.237 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

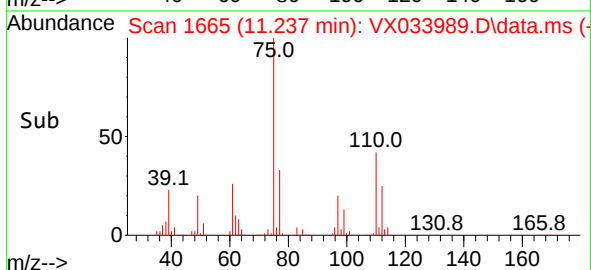
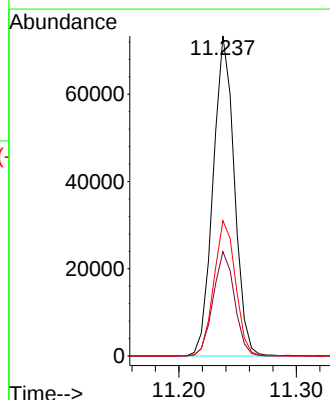
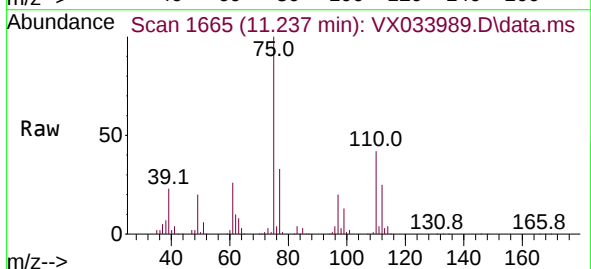
Tgt Ion: 75 Resp: 92227

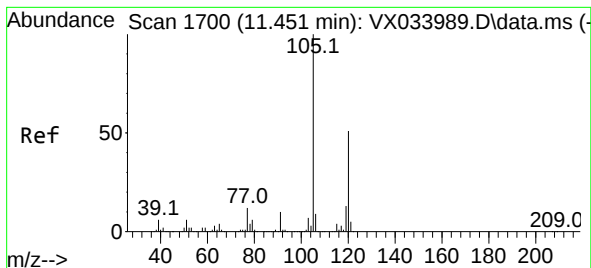
Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1

110 42.8 34.2 51.4

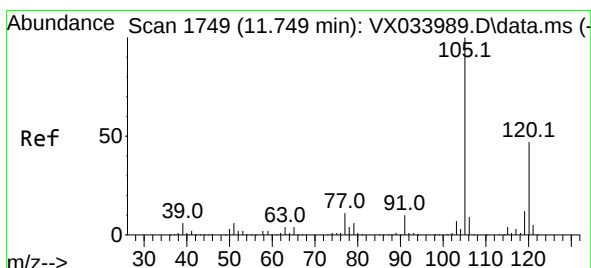
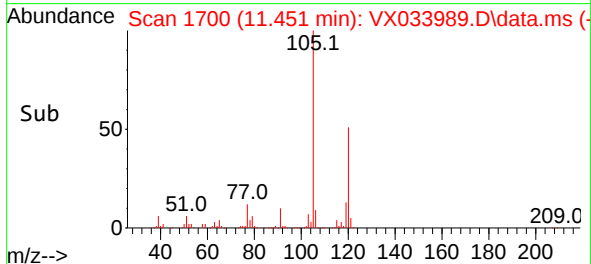
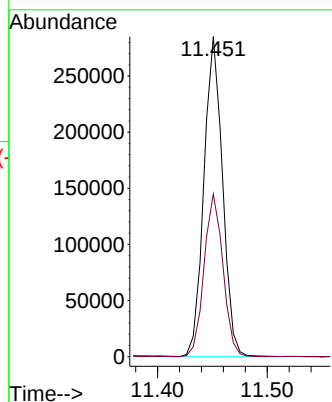
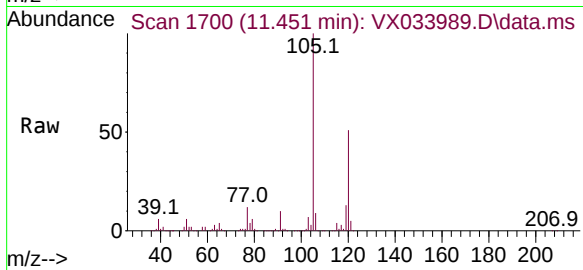




#62
1,3,5-Trimethylbenzene
Concen: 51.340 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

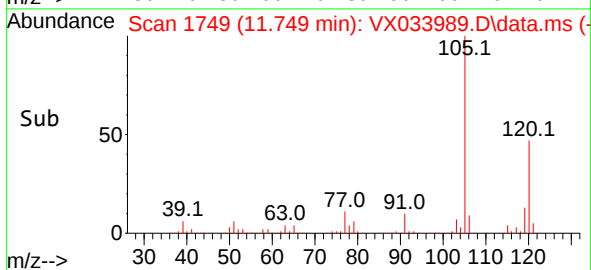
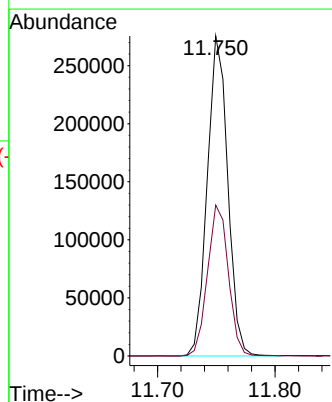
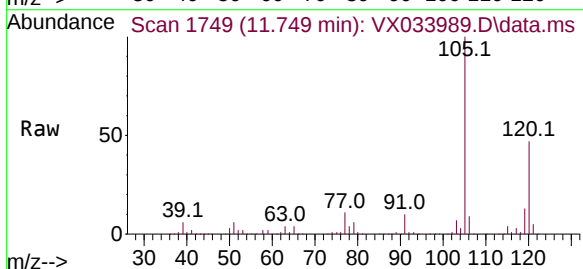
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

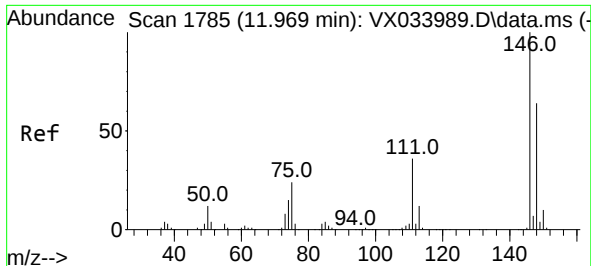
Tgt Ion:105 Resp: 336363
Ion Ratio Lower Upper
105 100
120 51.6 41.3 61.9



#63
1,2,4-Trimethylbenzene
Concen: 51.469 ug/L
RT: 11.749 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion:105 Resp: 332377
Ion Ratio Lower Upper
105 100
120 48.1 38.5 57.7

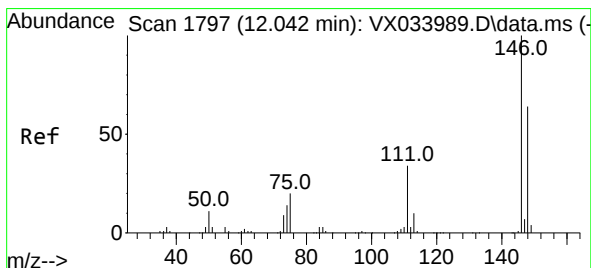
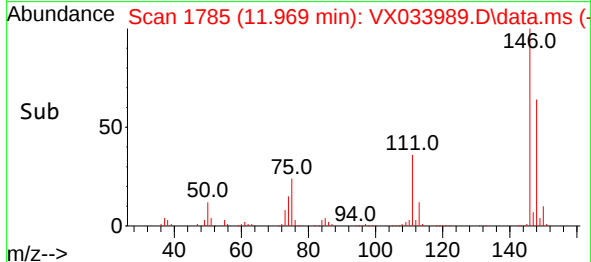
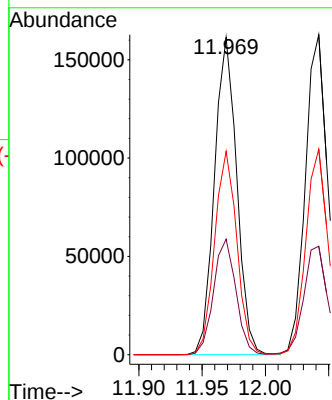
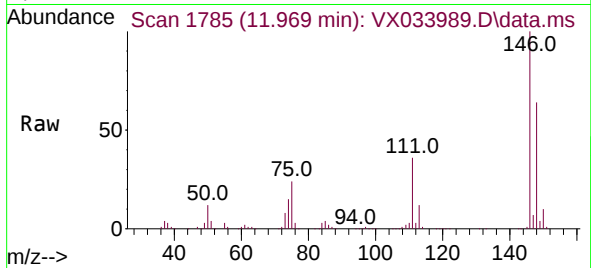




#64
1,3-Dichlorobenzene
Concen: 49.676 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

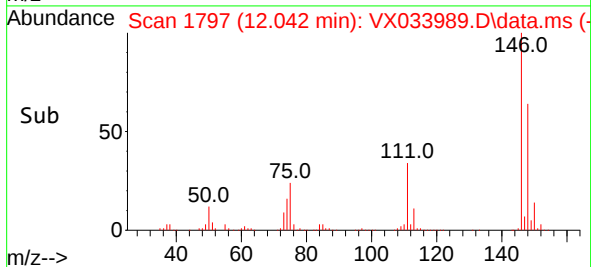
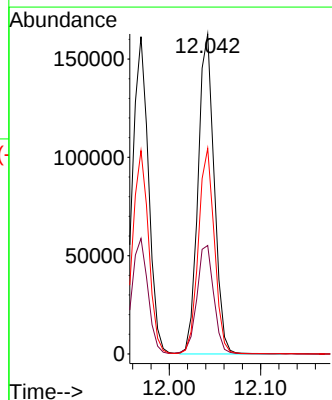
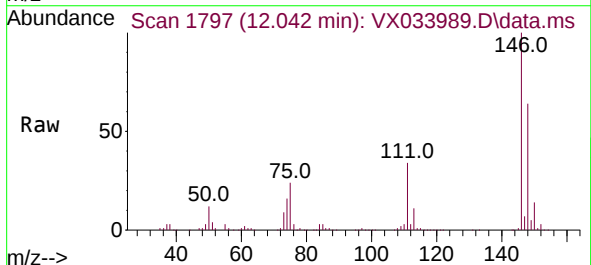
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

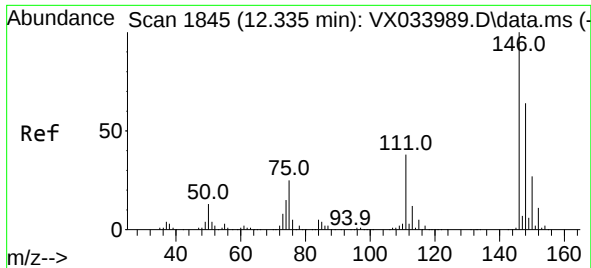
Tgt Ion:146 Resp: 197713
Ion Ratio Lower Upper
146 100
111 36.4 25.5 47.3
148 64.1 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 49.633 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion:146 Resp: 199926
Ion Ratio Lower Upper
146 100
111 33.9 23.7 44.1
148 64.3 45.0 83.6

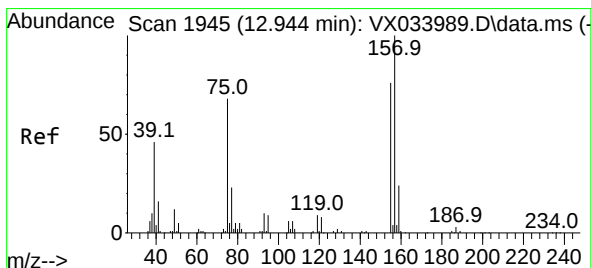
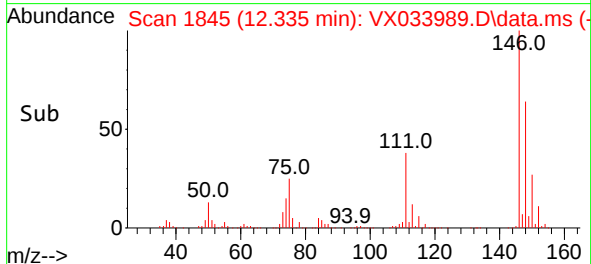
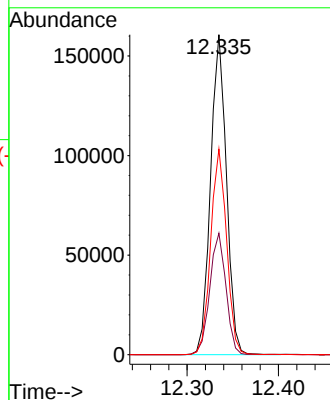
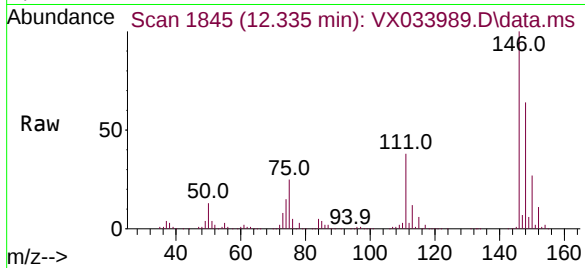




#67
1,2-Dichlorobenzene
Concen: 49.736 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

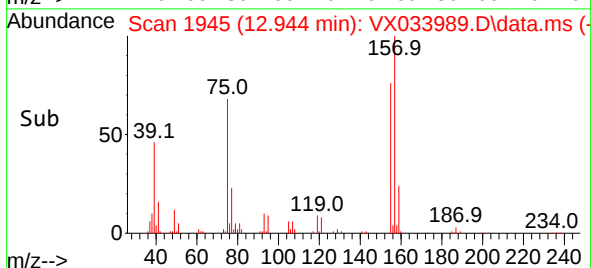
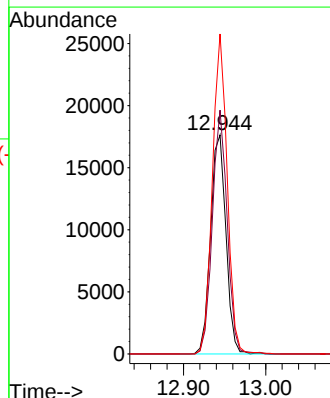
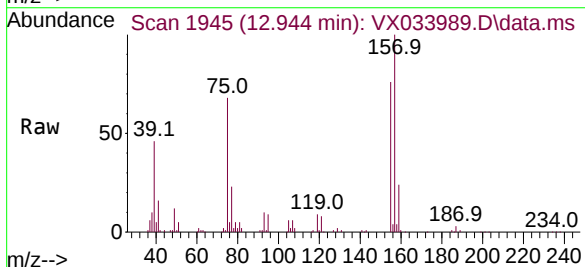
Instrument :
MSVOA_X
ClientSampleId :
VSTD050615

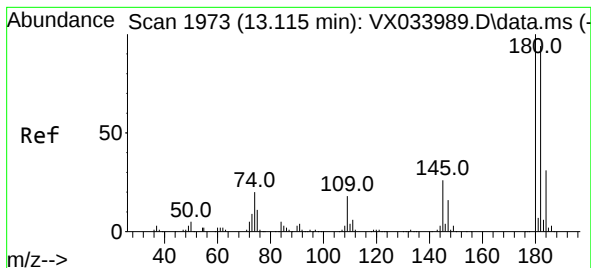
Tgt Ion:146 Resp: 193566
Ion Ratio Lower Upper
146 100
111 38.0 30.4 45.6
148 64.3 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 50.217 ug/L
RT: 12.944 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX033989.D
Acq: 02 Feb 2023 10:56

Tgt Ion: 75 Resp: 22884
Ion Ratio Lower Upper
75 100
155 111.3 89.0 133.6
157 146.1 116.9 175.3





#69

1,3,5-Trichlorobenzene

Concen: 50.015 ug/L

RT: 13.115 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

Tgt Ion:180 Resp: 150124

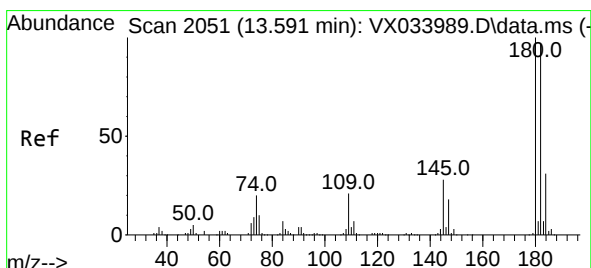
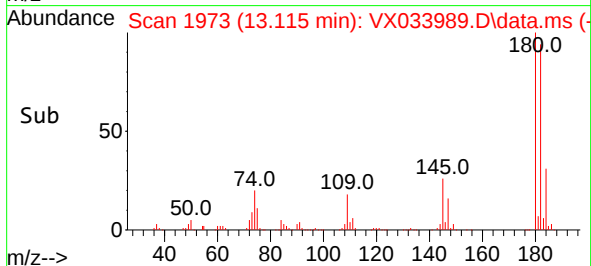
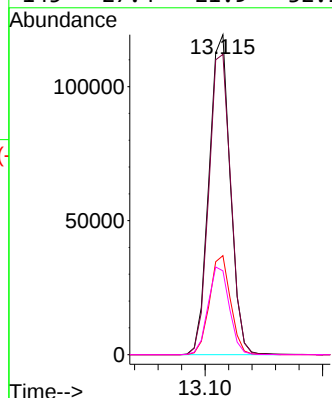
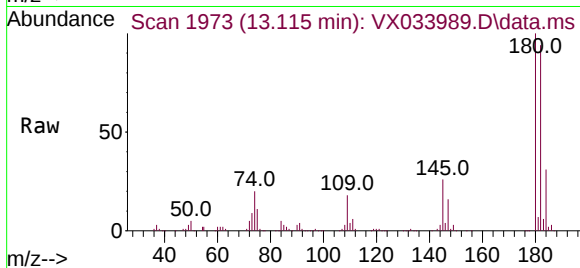
Ion Ratio Lower Upper

180 100

182 96.6 77.3 115.9

184 30.6 24.5 36.7

145 27.4 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 49.876 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

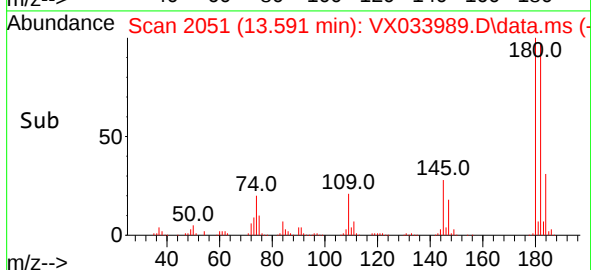
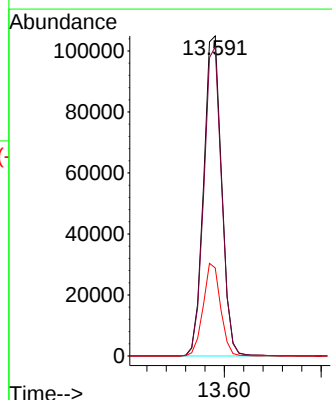
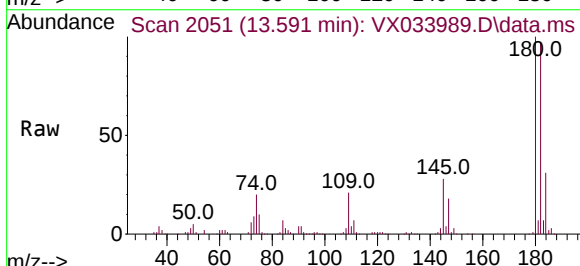
Tgt Ion:180 Resp: 135903

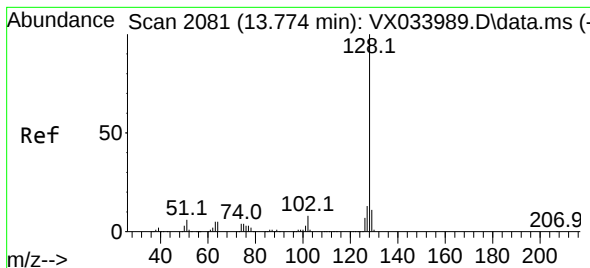
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 27.9 22.3 33.5





#71

Naphthalene

Concen: 52.200 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Instrument :

MSVOA_X

ClientSampleId :

VSTD050615

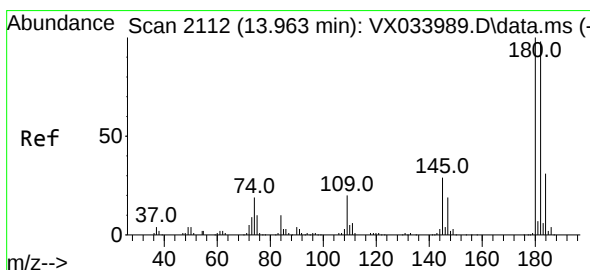
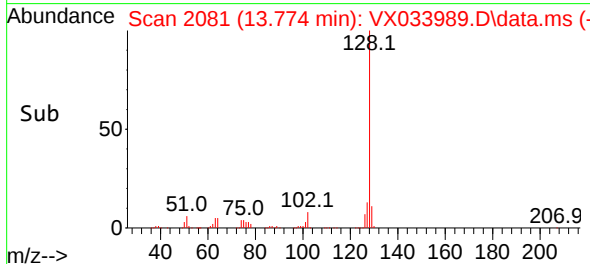
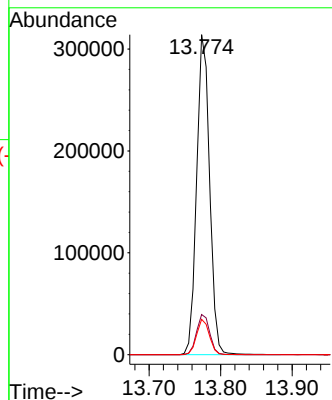
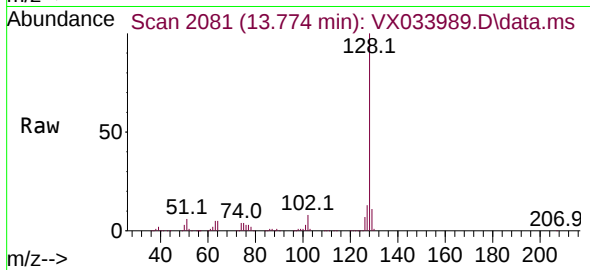
Tgt Ion:128 Resp: 393773

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 49.678 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX033989.D

Acq: 02 Feb 2023 10:56

Tgt Ion:180 Resp: 133627

Ion Ratio Lower Upper

180 100

182 96.4 77.1 115.7

145 29.4 23.5 35.3

