

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020323\
 Data File : VX034005.D
 Acq On : 03 Feb 2023 11:32
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050617

Quant Time: Feb 04 03:20:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 04 03:17:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	200779	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	179815	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	98452	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	55424	41.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.900%
7) Chloroethane-d5	1.666	69	38834	47.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.680%
11) 1,1-Dichloroethene-d2	2.307	63	112559	45.940	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.880%
21) 2-Butanone-d5	4.452	46	87274	113.839	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.840%
24) Chloroform-d	5.056	84	124047	51.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.440%
26) 1,2-Dichloroethane-d4	5.952	65	76847	53.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.200%
32) Benzene-d6	5.971	84	248901	48.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.580%
36) 1,2-Dichloropropane-d6	7.306	67	76975	50.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.020%
41) Toluene-d8	8.647	98	231641	47.374	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.740%
43) trans-1,3-Dichloroprop...	8.946	79	36036	52.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.220%
47) 2-Hexanone-d5	9.385	63	65026	113.790	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.790%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	104087	54.472	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.940%
66) 1,2-Dichlorobenzene-d4	12.317	152	102319	51.923	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	69794	46.724	ug/L	100
3) Chloromethane	1.295	50	66328	48.648	ug/L	99
5) Vinyl chloride	1.374	62	63153	45.806	ug/L	98
6) Bromomethane	1.612	94	35139	49.150	ug/L	99
8) Chloroethane	1.691	64	35883	48.959	ug/L	100
9) Trichlorofluoromethane	1.892	101	93483	47.839	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	65729	48.640	ug/L	98
12) 1,1-Dichloroethene	2.319	96	60811	49.193	ug/L	90
13) Acetone	2.380	43	64614	81.922	ug/L	99
14) Carbon disulfide	2.514	76	161526	48.277	ug/L	100
15) Methyl Acetate	2.703	43	70829	56.367	ug/L	99
16) Methylene chloride	2.788	84	69936	53.424	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	64764	50.752	ug/L	99
18) Methyl tert-butyl Ether	3.111	73	210910	56.765	ug/L	100
19) 1,1-Dichloroethane	3.605	63	119559	53.684	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	79335	54.401	ug/L	98
22) 2-Butanone	4.550	43	99542	101.577	ug/L	99
23) Bromochloromethane	4.898	128	44141	55.137	ug/L	97
25) Chloroform	5.093	83	126838	55.151	ug/L	95

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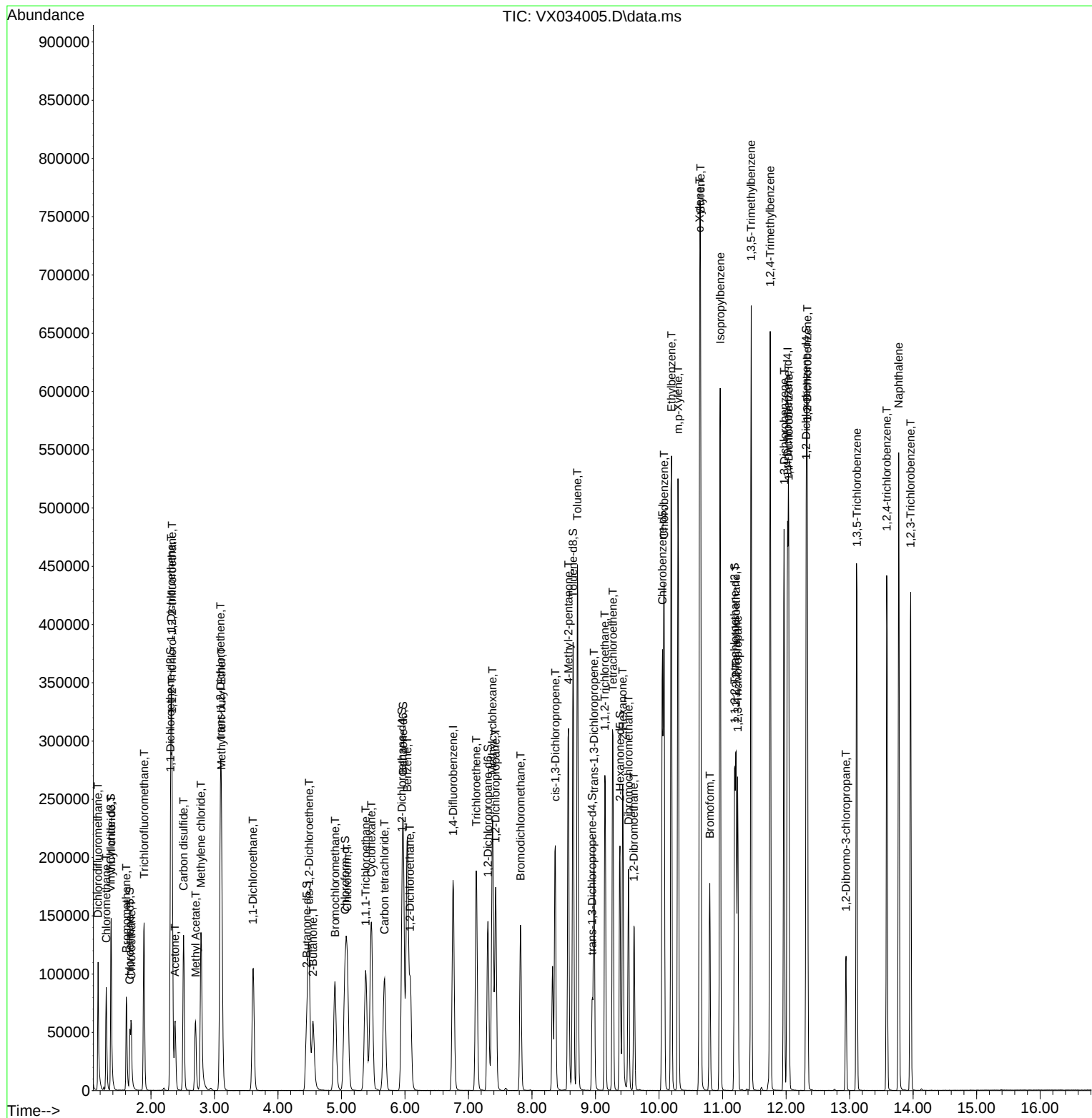
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	101119	57.287	ug/L	95
29) Cyclohexane	5.471	56	102637	46.668	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	100577	49.487	ug/L	99
31) Carbon tetrachloride	5.678	117	91602	48.445	ug/L	99
33) Benzene	6.038	78	272850	51.028	ug/L	100
34) Trichloroethene	7.123	95	73280	50.568	ug/L	99
35) Methylcyclohexane	7.379	83	111257	48.148	ug/L	99
37) 1,2-Dichloropropane	7.428	63	70669	51.891	ug/L	99
38) Bromodichloromethane	7.818	83	93094	53.759	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	112251	53.700	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	189381	113.000	ug/L	99
42) Toluene	8.714	91	294256	51.445	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	102032	54.854	ug/L	99
45) 1,1,2-Trichloroethane	9.147	97	76728	55.657	ug/L	98
46) Tetrachloroethene	9.275	164	67771	48.709	ug/L	97
48) 2-Hexanone	9.427	43	138211	103.482	ug/L	99
49) Dibromochloromethane	9.519	129	82549	55.497	ug/L	97
50) 1,2-Dibromoethane	9.604	107	82266	55.530	ug/L	100
51) Chlorobenzene	10.080	112	202483	52.399	ug/L	98
52) Ethylbenzene	10.195	91	324197	51.575	ug/L	100
53) m,p-Xylene	10.299	106	130910	51.882	ug/L	98
54) o-Xylene	10.640	106	127442	52.280	ug/L	95
55) Styrene	10.653	104	220846	54.003	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	110411	56.970	ug/L	99
59) Bromoform	10.799	173	67999	56.753	ug/L	99
60) Isopropylbenzene	10.964	105	333148	51.796	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	82412	55.139	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	281256	53.423	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	280774	54.107	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	168696	52.746	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	169624	52.404	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	166287	53.172	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	21124	57.687	ug/L	98
69) 1,3,5-Trichlorobenzene	13.116	180	128796	53.399	ug/L	98
70) 1,2,4-trichlorobenzene	13.585	180	117878	53.836	ug/L	99
71) Naphthalene	13.774	128	345461	56.990	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	115462	53.418	ug/L	99

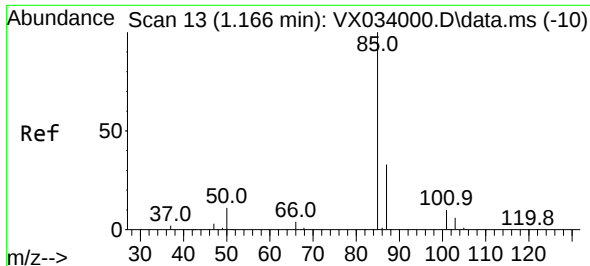
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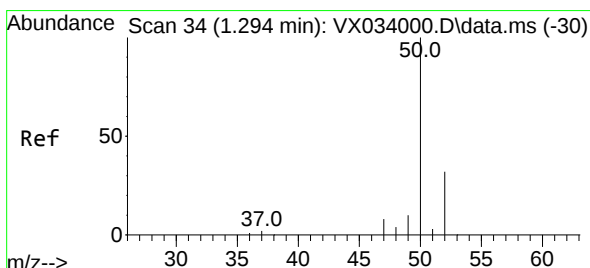
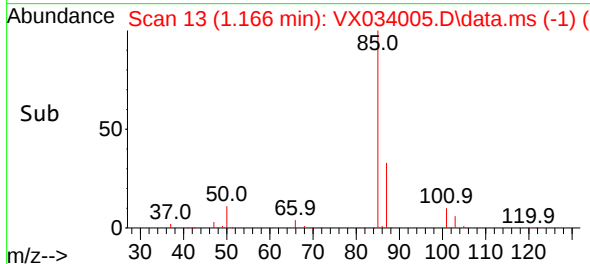
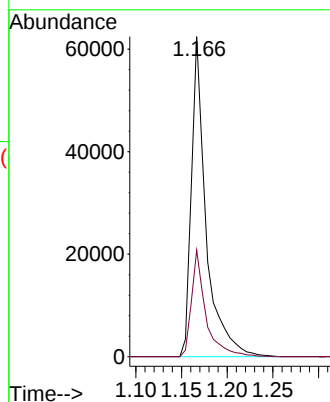
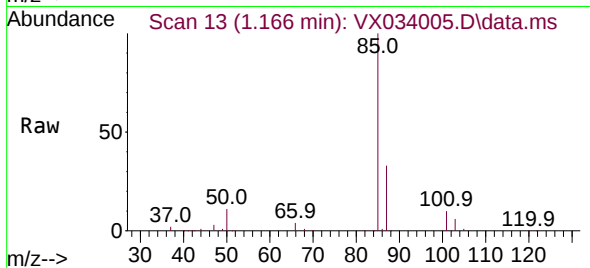




#2
 Dichlorodifluoromethane
 Concen: 46.724 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

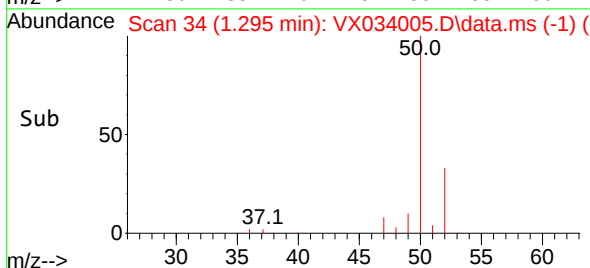
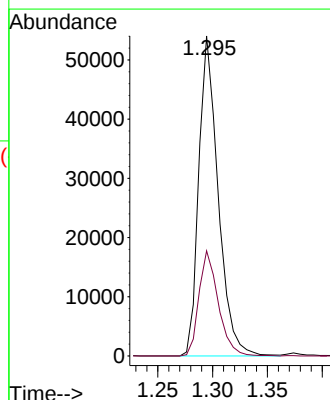
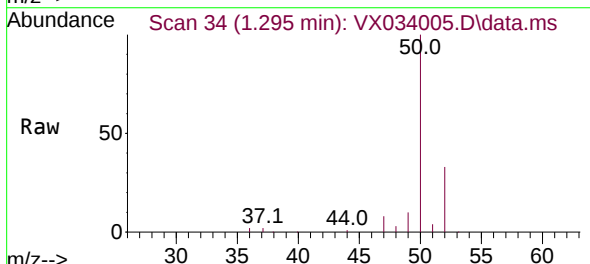
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050617

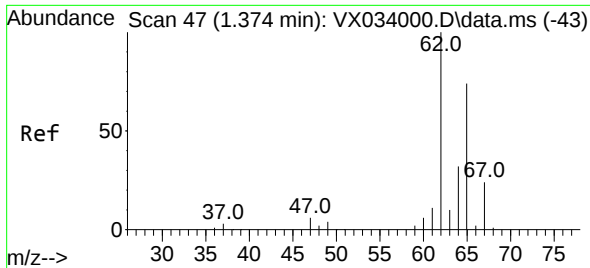
Tgt Ion: 85 Resp: 69794
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 48.648 ug/L
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

Tgt Ion: 50 Resp: 66328
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.5 41.7

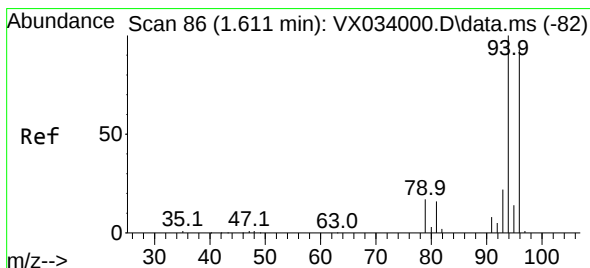
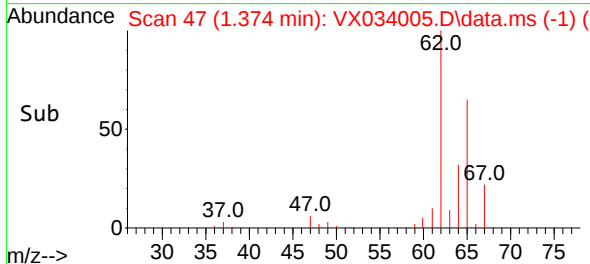
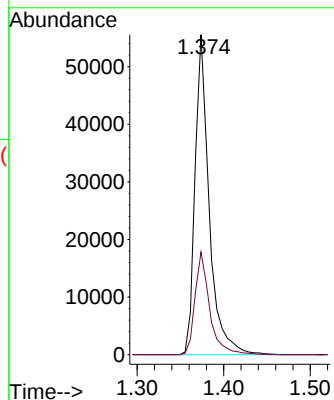
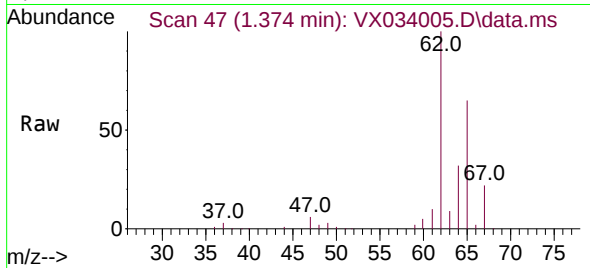




#5
 Vinyl chloride
 Concen: 45.806 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

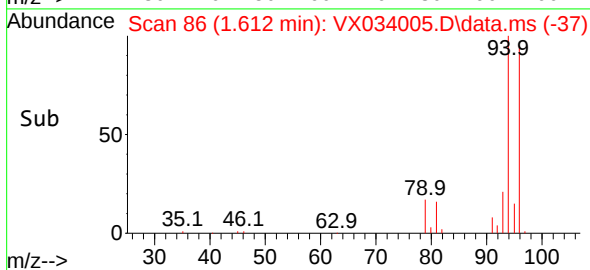
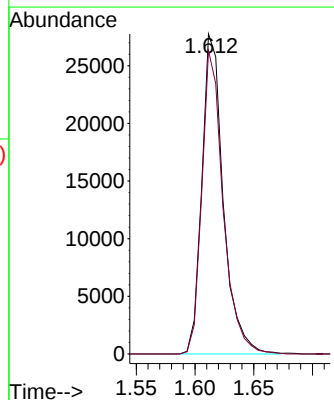
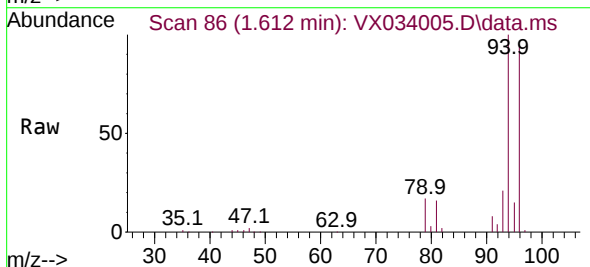
Instrument :
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 ClientSampleId :
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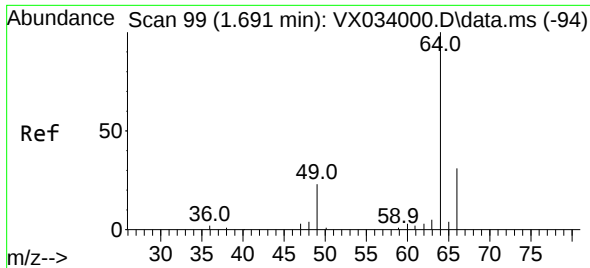
Tgt Ion: 62 Resp: 63153
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.2 43.0



#6
 Bromomethane
 Concen: 49.150 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

Tgt Ion: 94 Resp: 35139
 Ion Ratio Lower Upper
 94 100
 96 94.8 65.7 122.1

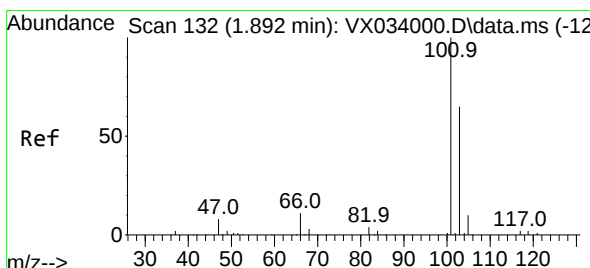
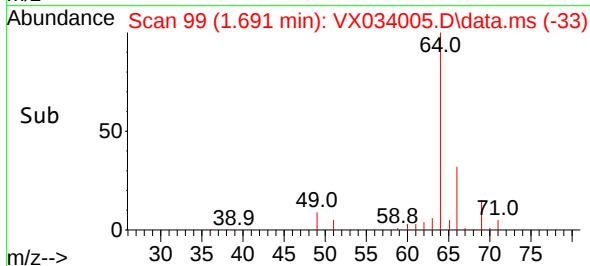
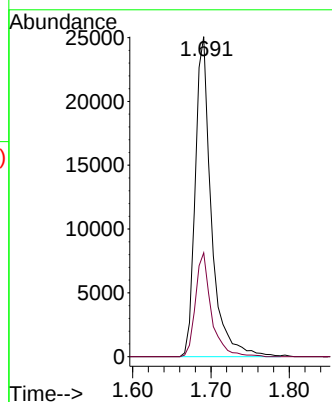
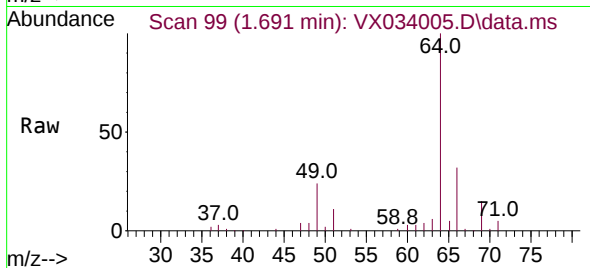




#8
Chloroethane
Concen: 48.959 ug/L
RT: 1.691 min Scan# 99
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

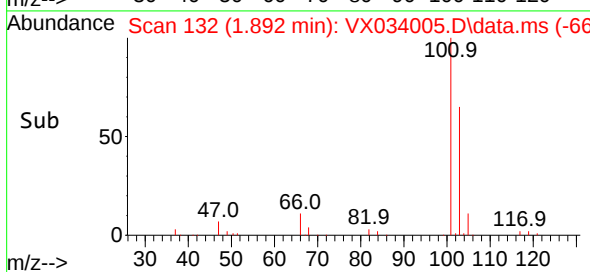
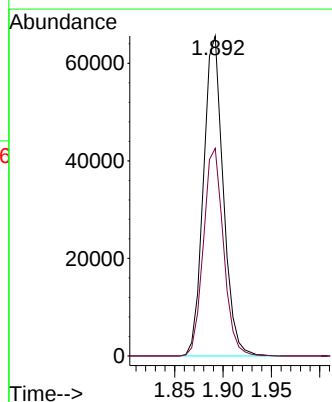
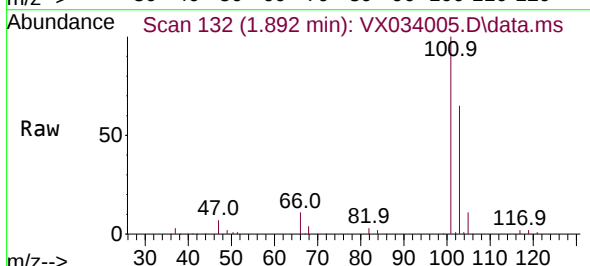
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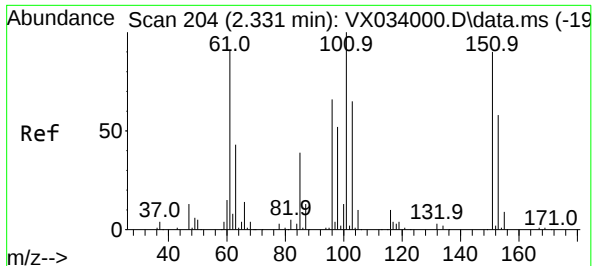
Tgt Ion: 64 Resp: 35883
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.9



#9
Trichlorofluoromethane
Concen: 47.839 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 101 Resp: 93483
Ion Ratio Lower Upper
101 100
103 65.8 52.6 78.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 48.640 ug/L

RT: 2.331 min Scan# 204

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD050617

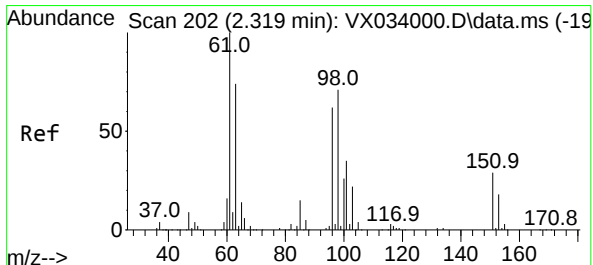
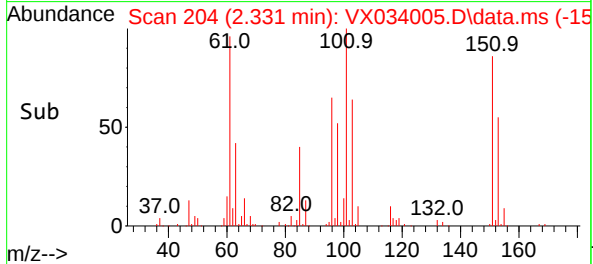
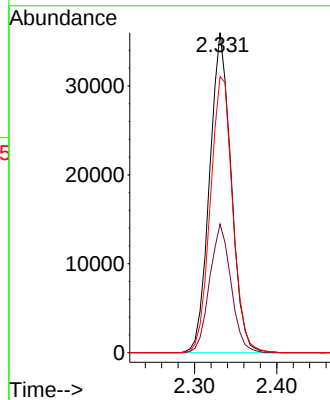
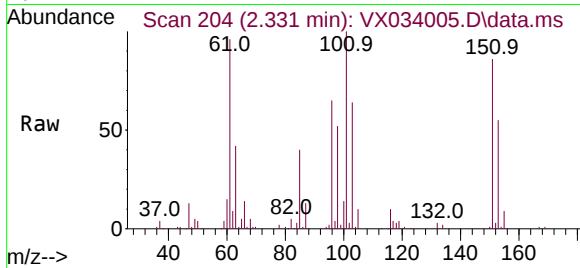
Tgt Ion:101 Resp: 65729

Ion Ratio Lower Upper

101 100

85 39.7 32.2 48.4

151 89.1 69.3 103.9



#12

1,1-Dichloroethene

Concen: 49.193 ug/L

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

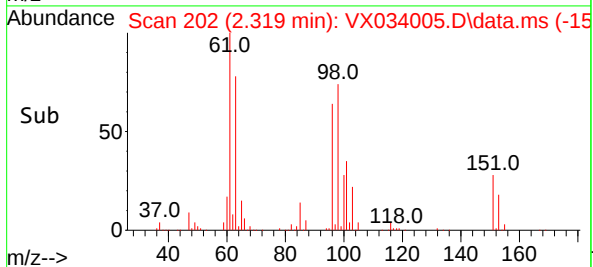
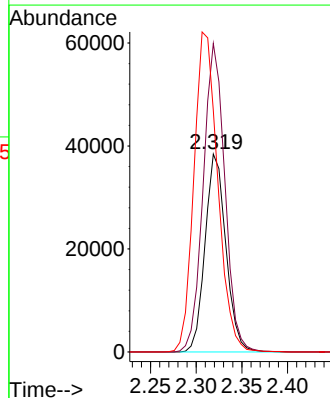
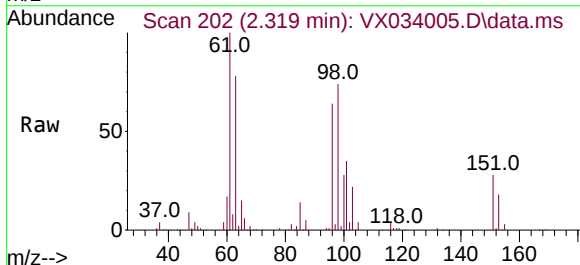
Tgt Ion: 96 Resp: 60811

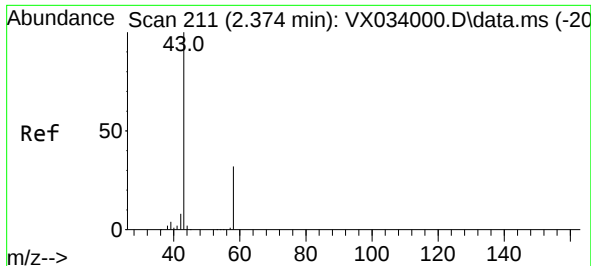
Ion Ratio Lower Upper

96 100

61 155.9 107.6 199.8

63 122.0 69.6 129.2





#13

Acetone

Concen: 81.922 ug/L

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

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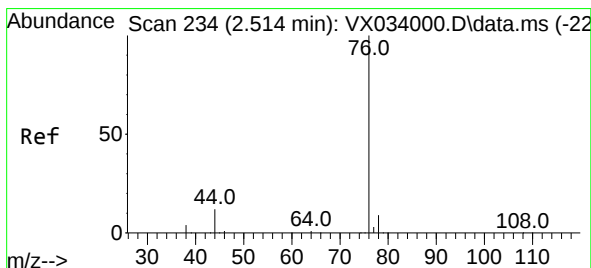
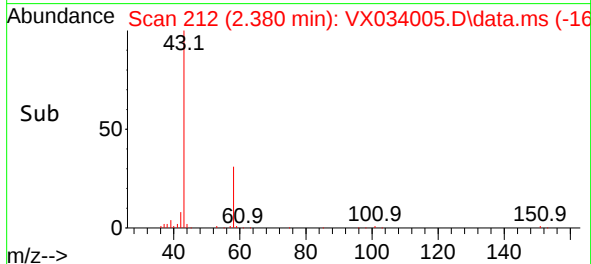
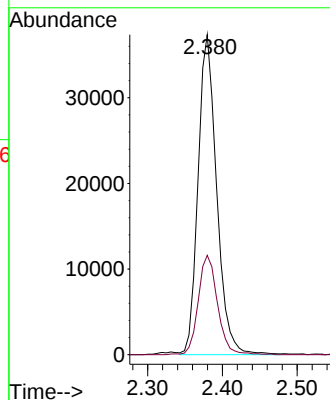
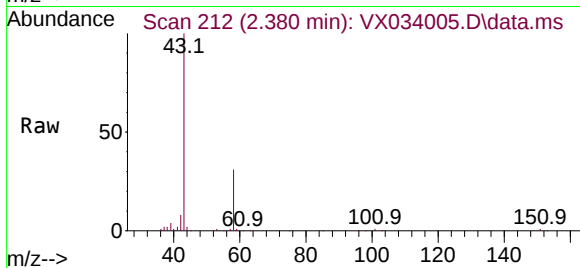
VSTD050617

Tgt Ion: 43 Resp: 64614

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.8



#14

Carbon disulfide

Concen: 48.277 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

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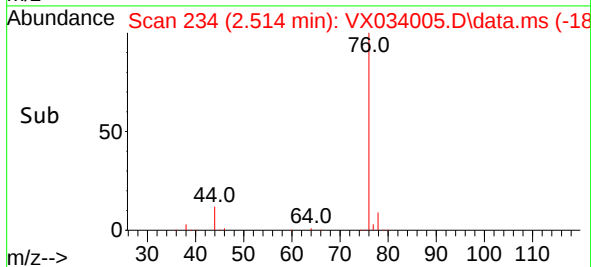
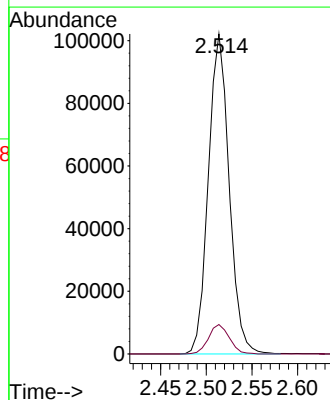
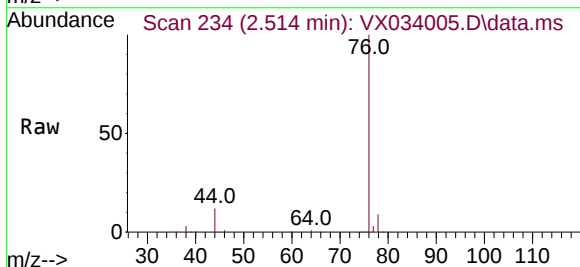
Acq: 03 Feb 2023 11:32

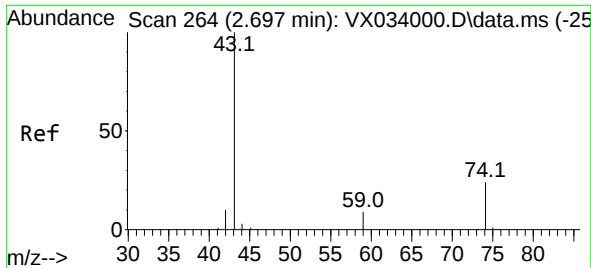
Tgt Ion: 76 Resp: 161526

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

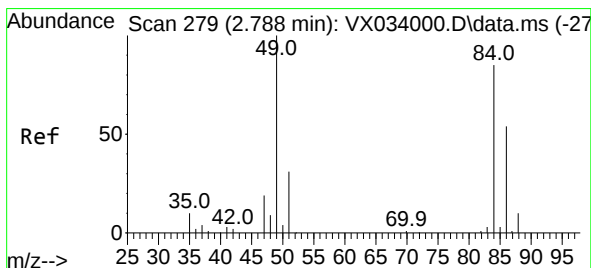
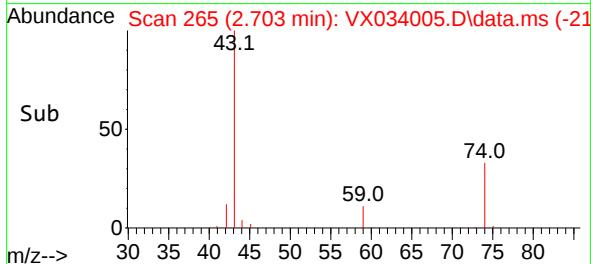
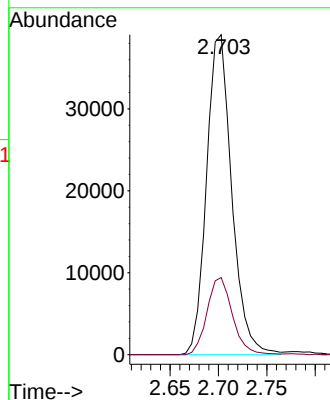
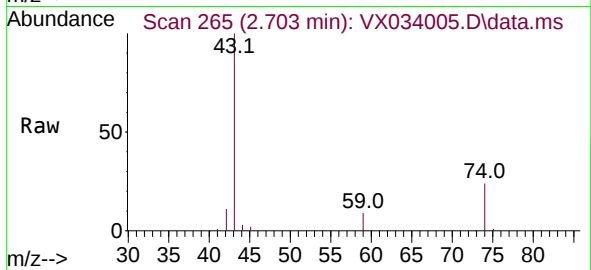




#15
Methyl Acetate
Concen: 56.367 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

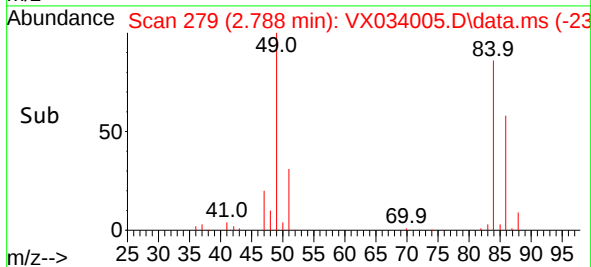
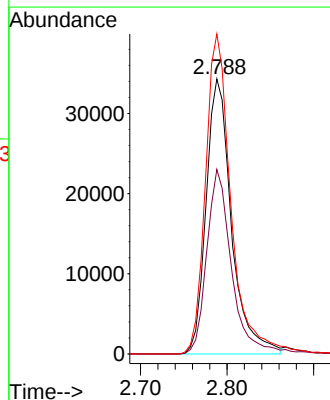
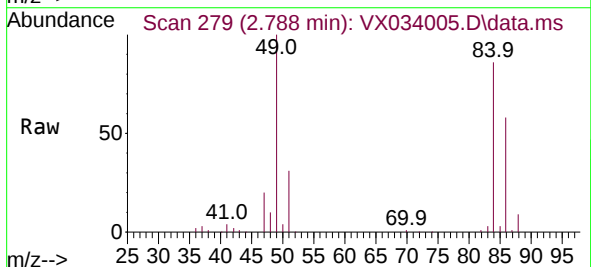
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

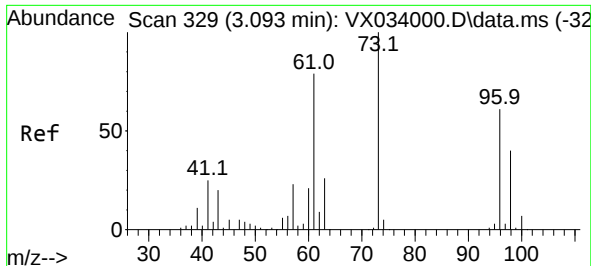
Tgt Ion: 43 Resp: 70829
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5



#16
Methylene chloride
Concen: 53.424 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 84 Resp: 69936
Ion Ratio Lower Upper
84 100
86 67.1 45.2 84.0
49 116.3 82.5 153.1

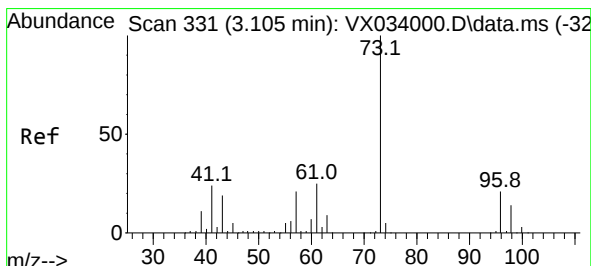
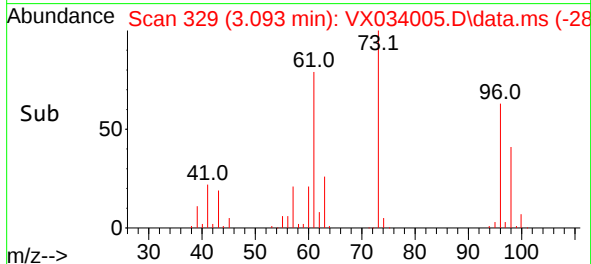
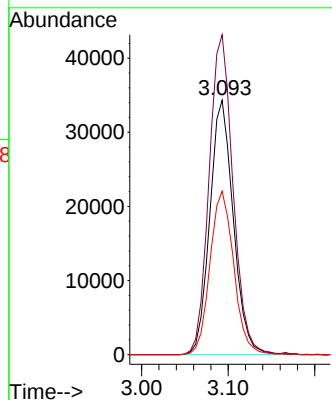
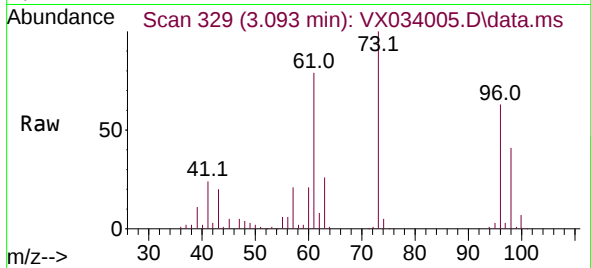




#17
trans-1,2-Dichloroethene
Concen: 50.752 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

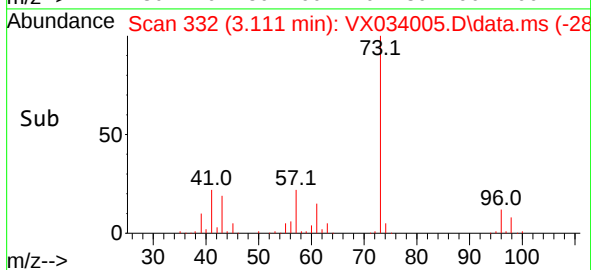
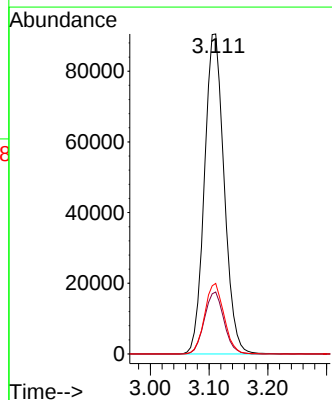
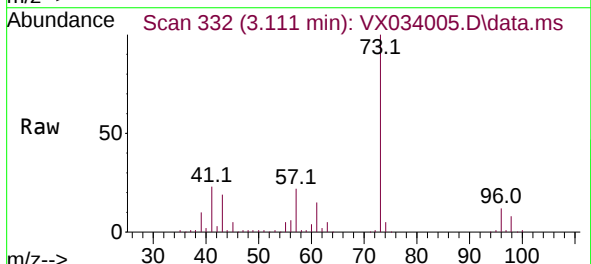
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

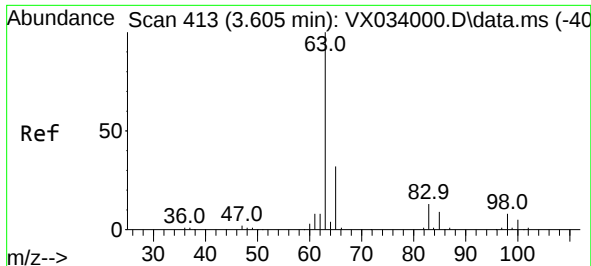
Tgt Ion: 96 Resp: 64764
Ion Ratio Lower Upper
96 100
61 125.8 87.7 162.9
98 64.2 45.4 84.4



#18
Methyl tert-butyl Ether
Concen: 56.765 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 73 Resp: 210910
Ion Ratio Lower Upper
73 100
43 19.3 15.6 23.4
57 21.7 17.5 26.3

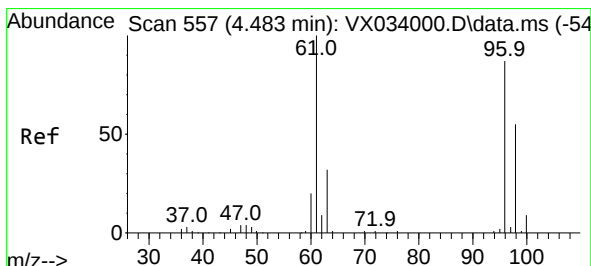
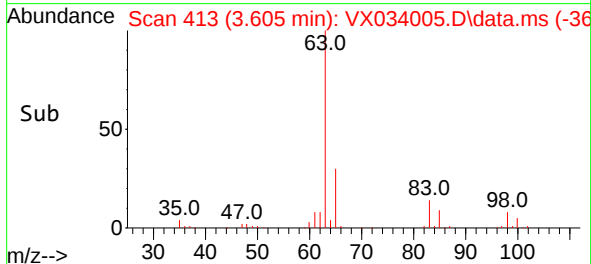
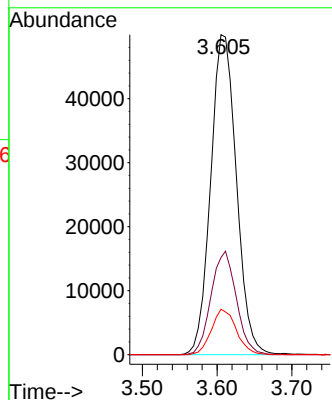
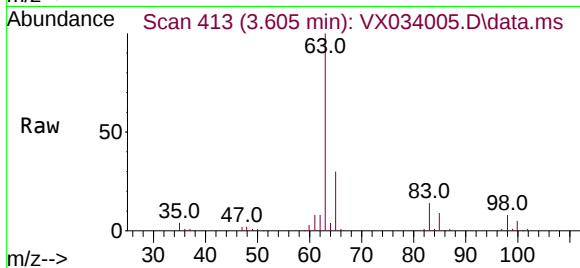




#19
1,1-Dichloroethane
Concen: 53.684 ug/L
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

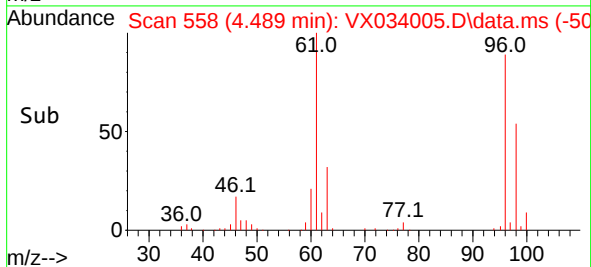
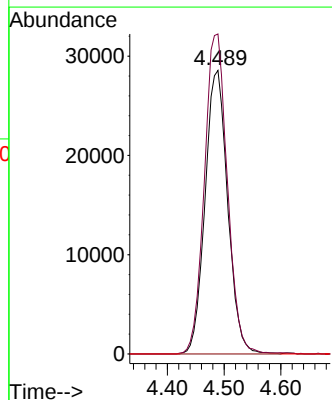
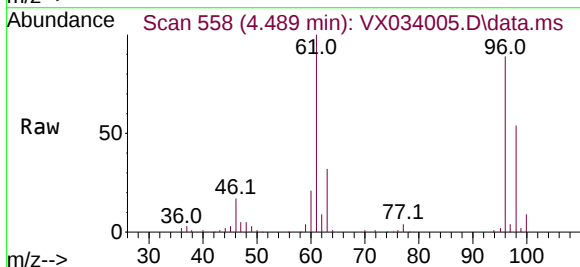
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

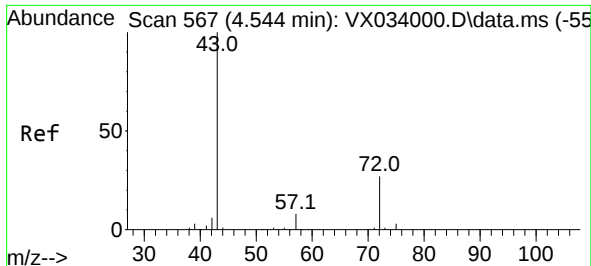
Tgt Ion: 63 Resp: 119559
Ion Ratio Lower Upper
63 100
65 30.3 21.9 40.7
83 14.2 10.6 19.6



#20
cis-1,2-Dichloroethene
Concen: 54.401 ug/L
RT: 4.489 min Scan# 558
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 96 Resp: 79335
Ion Ratio Lower Upper
96 100
61 112.9 80.3 149.1
68 0.0 0.0 0.0

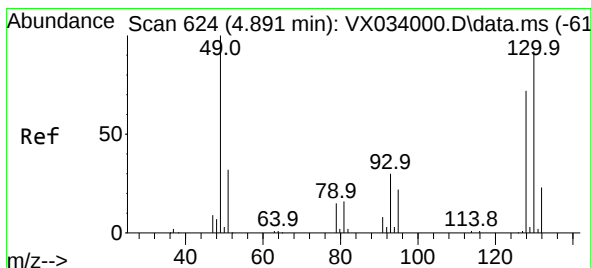
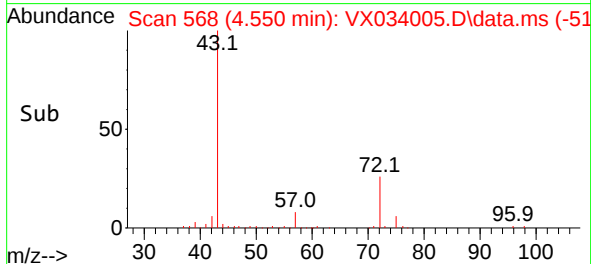
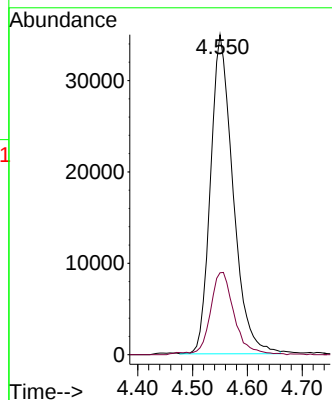
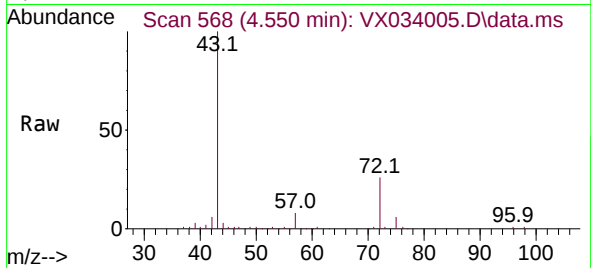




#22
2-Butanone
Concen: 101.577 ug/L
RT: 4.550 min Scan# 568
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

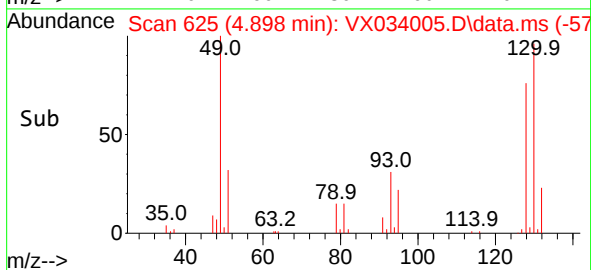
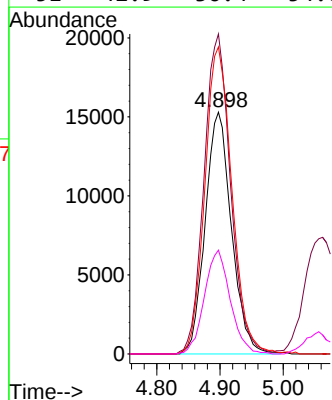
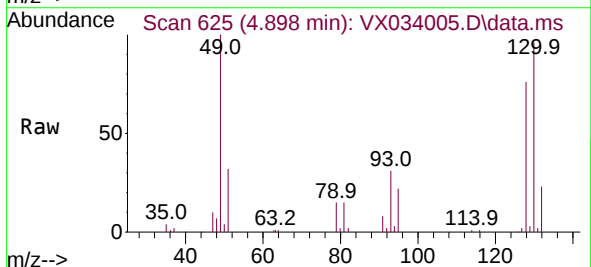
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

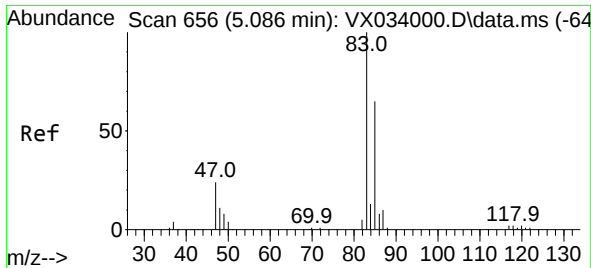
Tgt Ion: 43 Resp: 99542
Ion Ratio Lower Upper
43 100
72 26.8 13.2 39.6



#23
Bromochloromethane
Concen: 55.137 ug/L
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 128 Resp: 44141
Ion Ratio Lower Upper
128 100
49 132.3 94.7 175.9
130 127.0 91.3 169.6
51 42.9 36.4 54.6

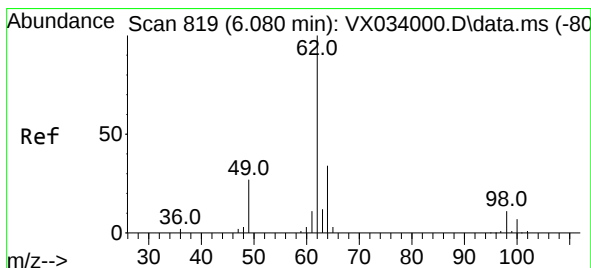
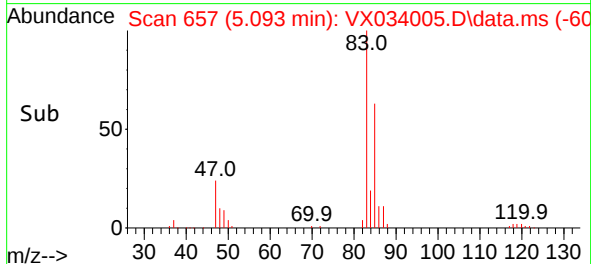
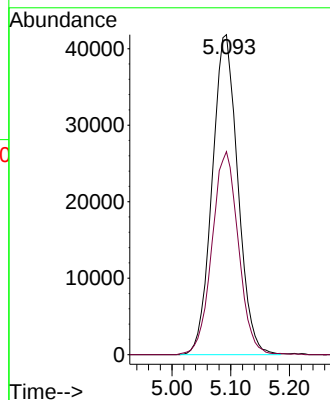
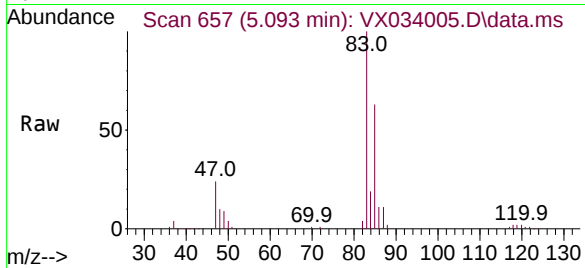




#25
Chloroform
Concen: 55.151 ug/L
RT: 5.093 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

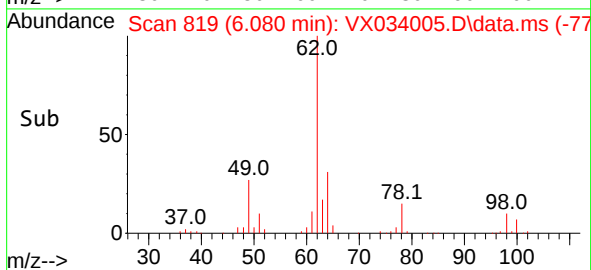
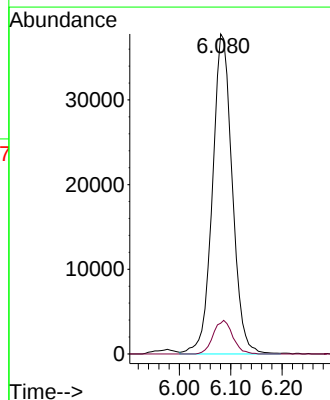
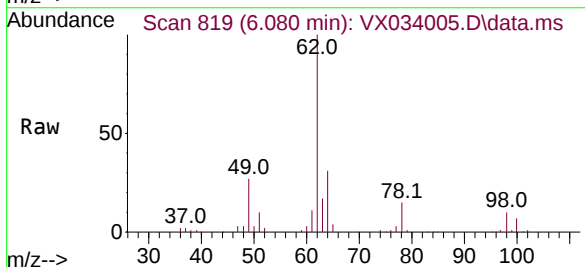
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

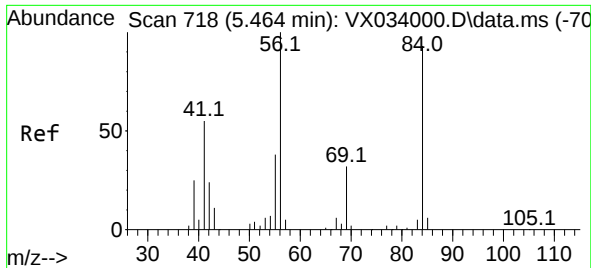
Tgt Ion: 83 Resp: 126838
Ion Ratio Lower Upper
83 100
85 63.5 47.0 87.4



#27
1,2-Dichloroethane
Concen: 57.287 ug/L
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 62 Resp: 101119
Ion Ratio Lower Upper
62 100
98 9.6 9.1 13.7

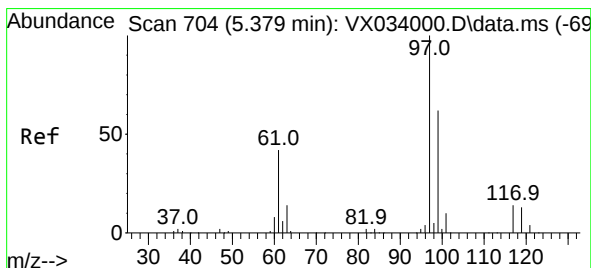
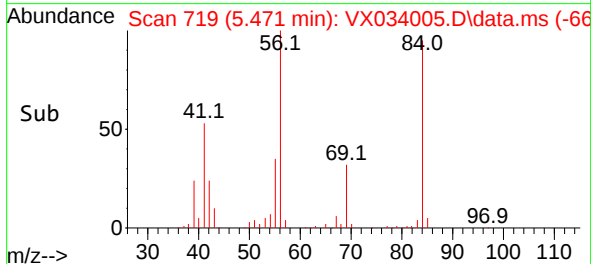
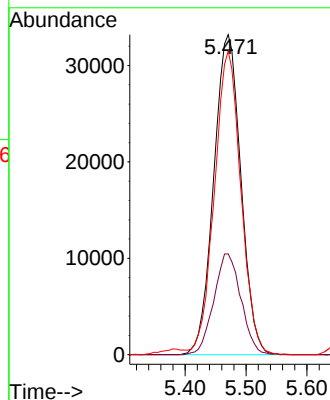
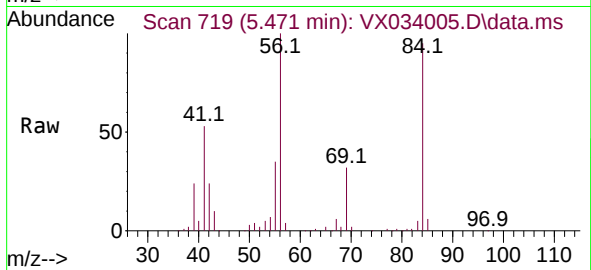




#29
Cyclohexane
Concen: 46.668 ug/L
RT: 5.471 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

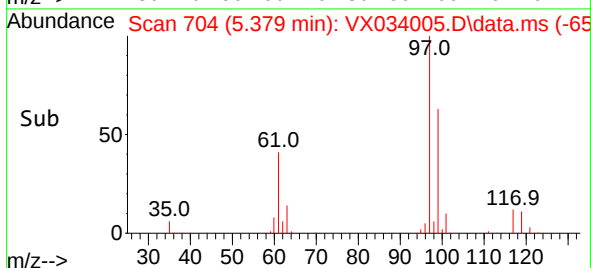
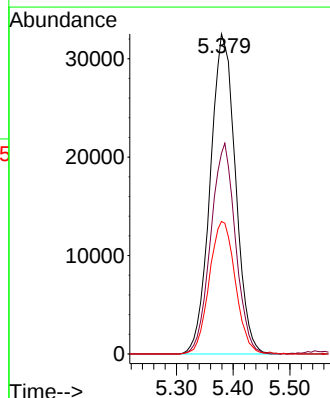
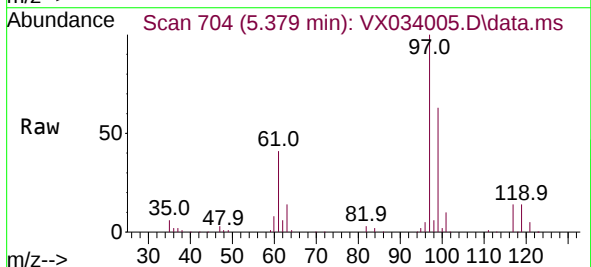
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

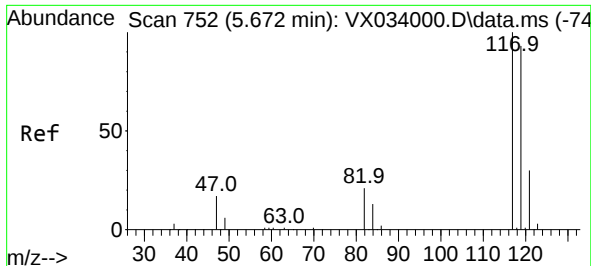
Tgt Ion: 56 Resp: 102637
Ion Ratio Lower Upper
56 100
69 31.6 24.8 37.2
84 92.6 73.2 109.8



#30
1,1,1-Trichloroethane
Concen: 49.487 ug/L
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 97 Resp: 100577
Ion Ratio Lower Upper
97 100
99 64.6 51.8 77.8
61 42.6 34.7 52.1

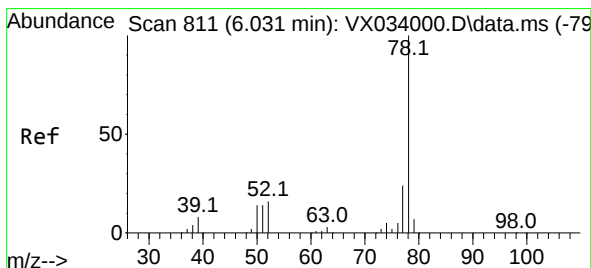
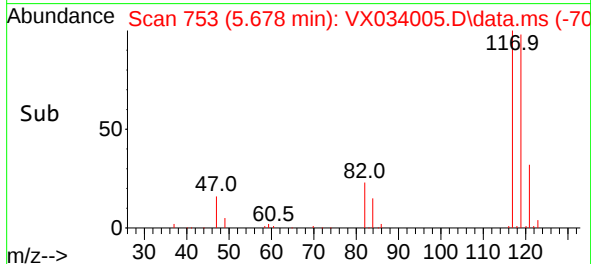
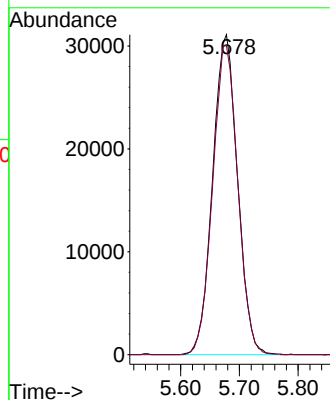
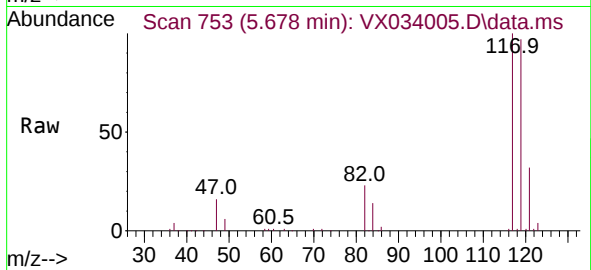




#31
Carbon tetrachloride
Concen: 48.445 ug/L
RT: 5.678 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

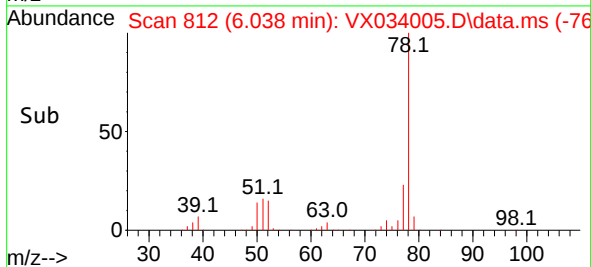
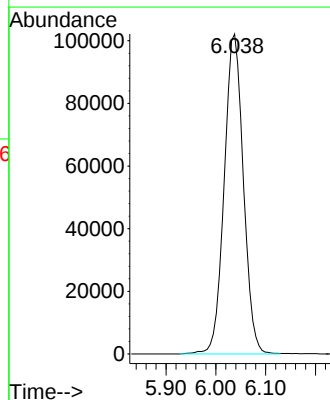
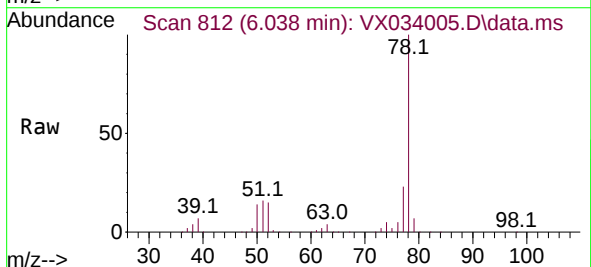
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

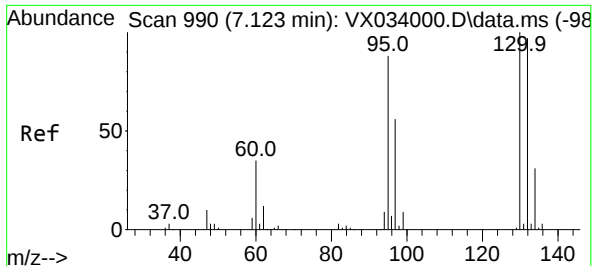
Tgt Ion:117 Resp: 91602
Ion Ratio Lower Upper
117 100
119 97.5 77.1 115.7



#33
Benzene
Concen: 51.028 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 78 Resp: 272850



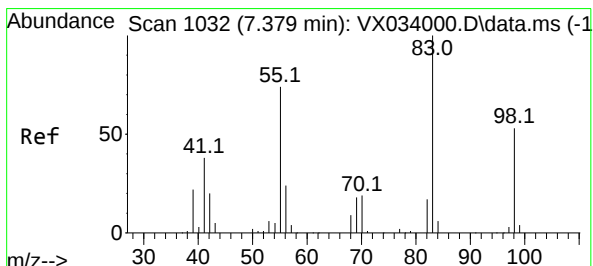
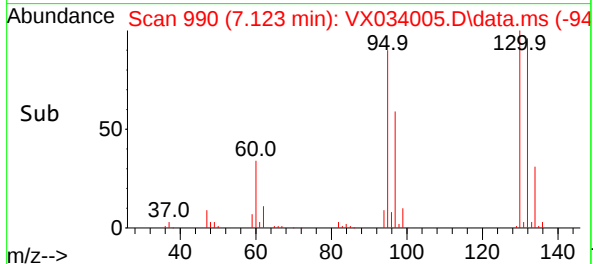
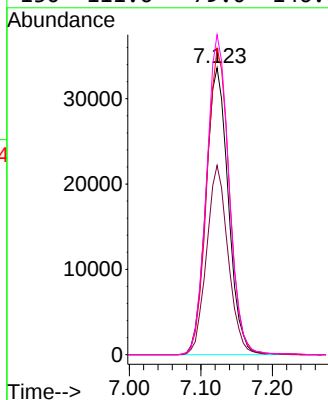
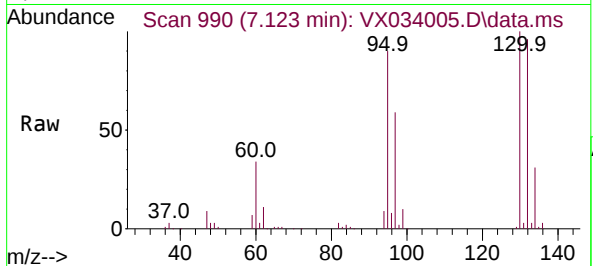


#34
Trichloroethene
Concen: 50.568 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

Tgt Ion: 95 Resp: 73280

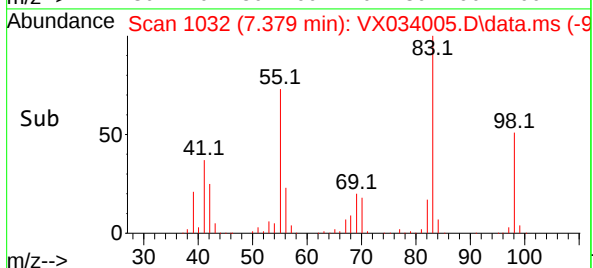
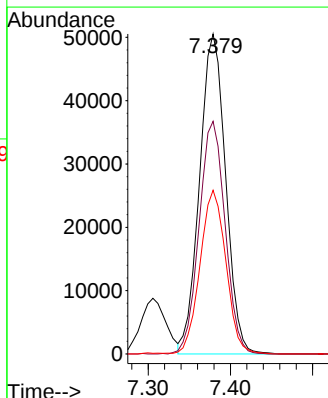
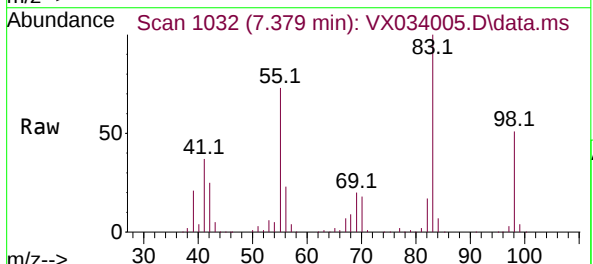
Ion	Ratio	Lower	Upper
95	100		
97	66.0	46.8	87.0
132	106.8	76.2	141.4
130	111.6	79.0	146.6

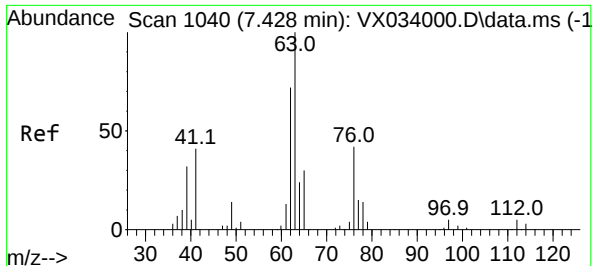


#35
Methylcyclohexane
Concen: 48.148 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 83 Resp: 111257

Ion	Ratio	Lower	Upper
83	100		
55	72.5	59.0	88.4
98	50.8	40.6	60.8





#37

1,2-Dichloropropane

Concen: 51.891 ug/L

RT: 7.428 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

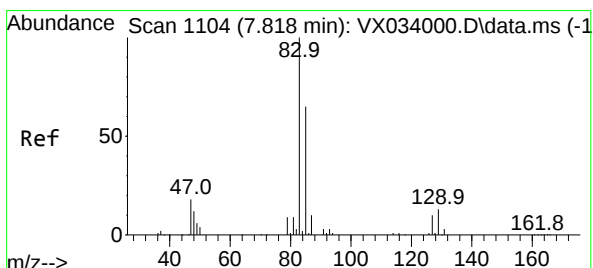
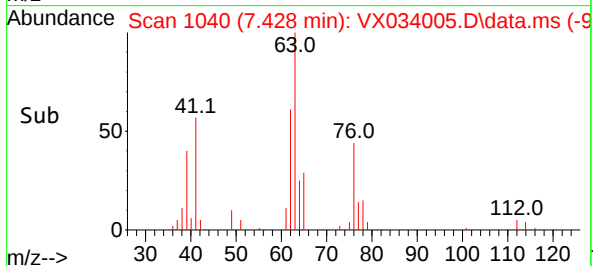
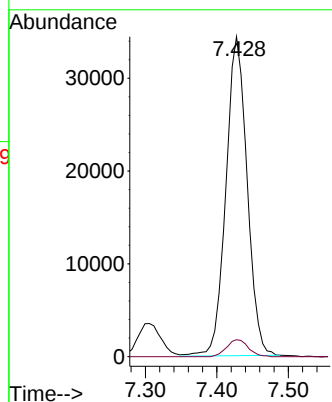
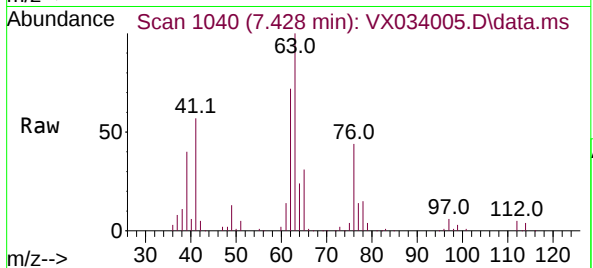
VSTD050617

Tgt Ion: 63 Resp: 70669

Ion Ratio Lower Upper

63 100

112 5.5 4.1 6.1



#38

Bromodichloromethane

Concen: 53.759 ug/L

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

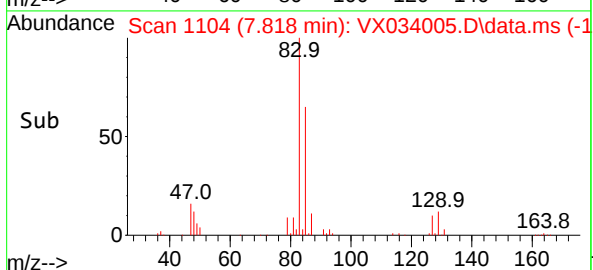
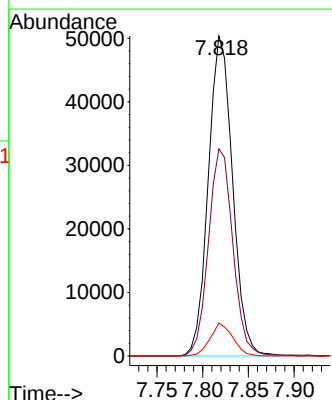
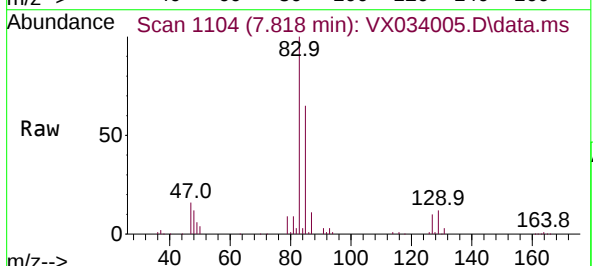
Tgt Ion: 83 Resp: 93094

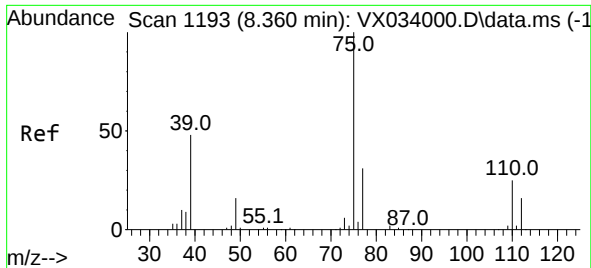
Ion Ratio Lower Upper

83 100

85 64.7 46.3 85.9

127 10.3 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 53.700 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

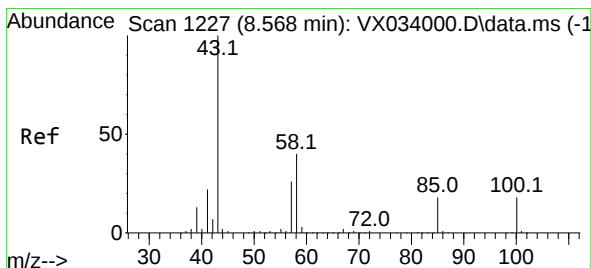
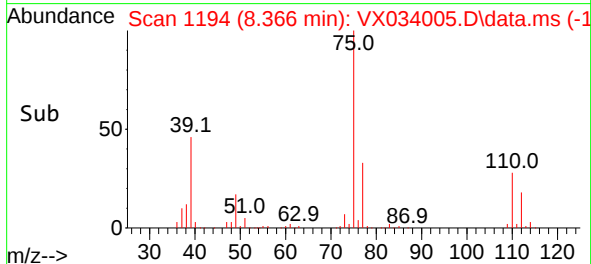
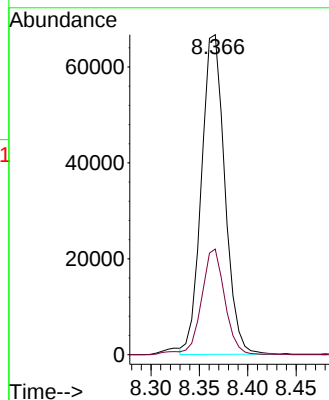
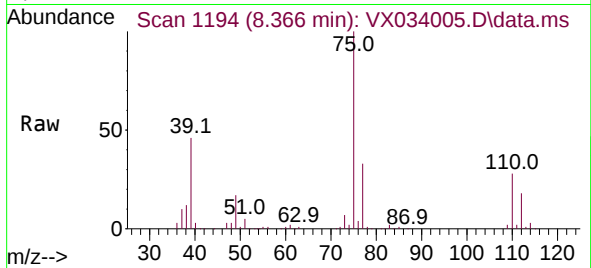
VSTD050617

Tgt Ion: 75 Resp: 112251

Ion Ratio Lower Upper

75 100

77 33.0 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 113.000 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

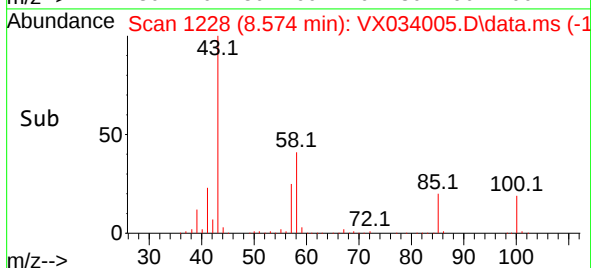
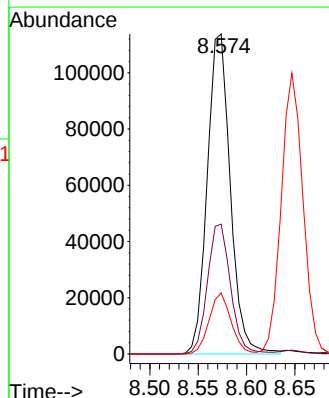
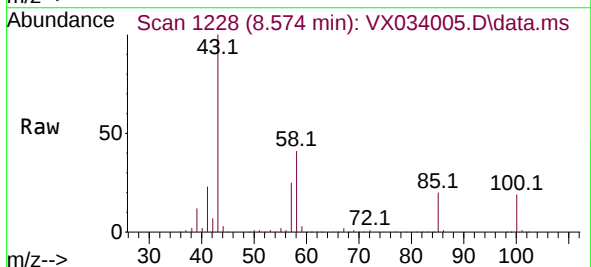
Tgt Ion: 43 Resp: 189381

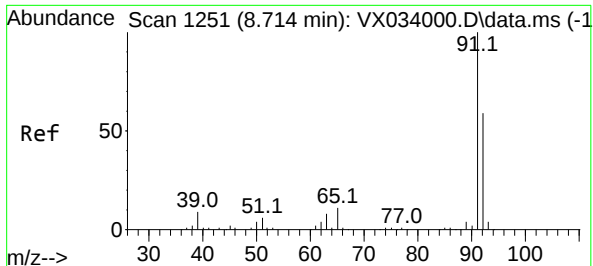
Ion Ratio Lower Upper

43 100

58 40.6 31.9 47.9

100 18.2 14.4 21.6





#42

Toluene

Concen: 51.445 ug/L

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

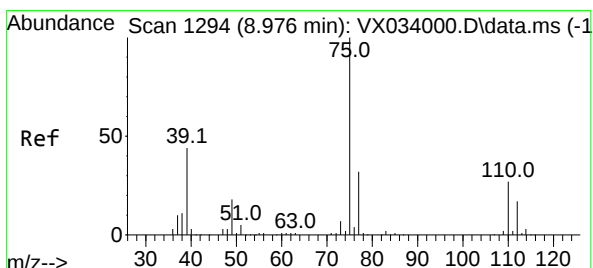
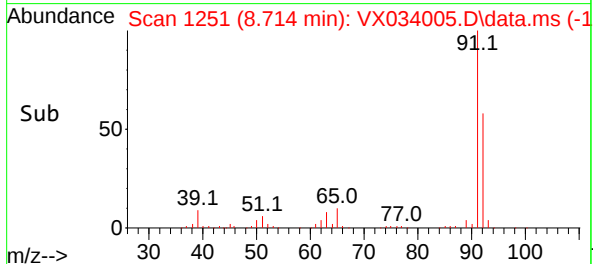
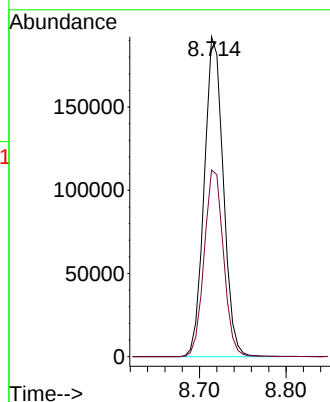
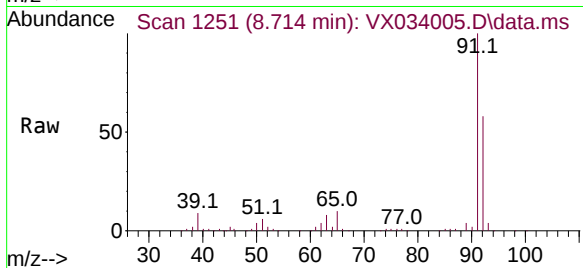
VSTD050617

Tgt Ion: 91 Resp: 294256

Ion Ratio Lower Upper

91 100

92 58.3 41.6 77.3



#44

trans-1,3-Dichloropropene

Concen: 54.854 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX034005.D

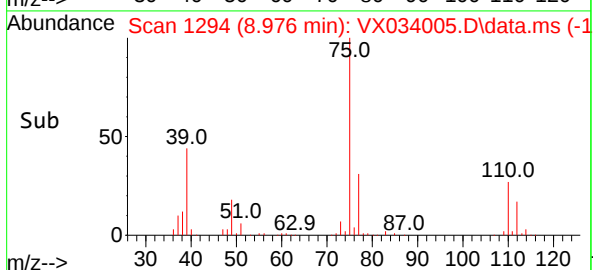
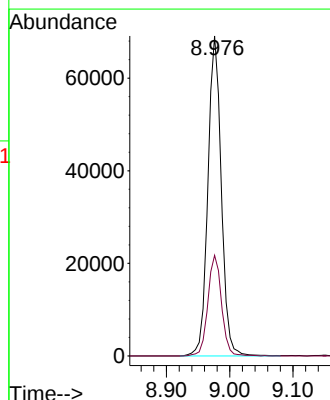
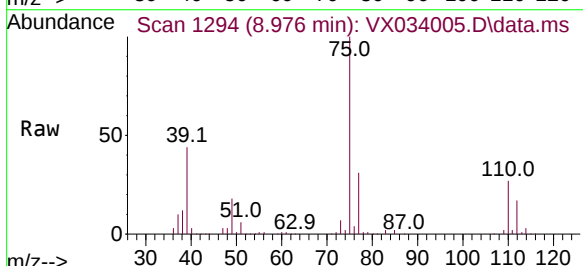
Acq: 03 Feb 2023 11:32

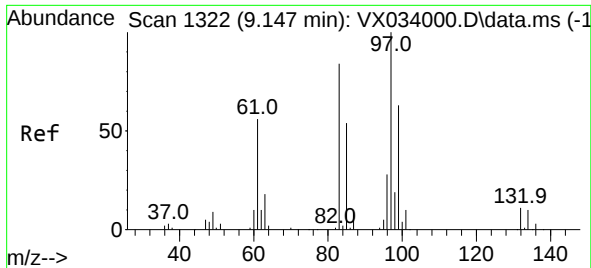
Tgt Ion: 75 Resp: 102032

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3

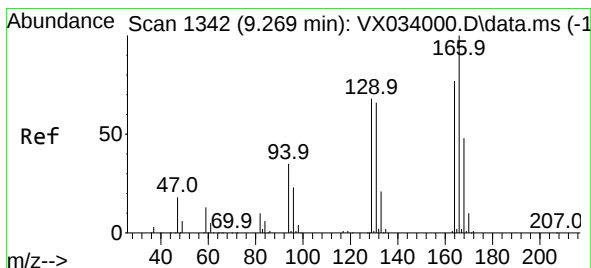
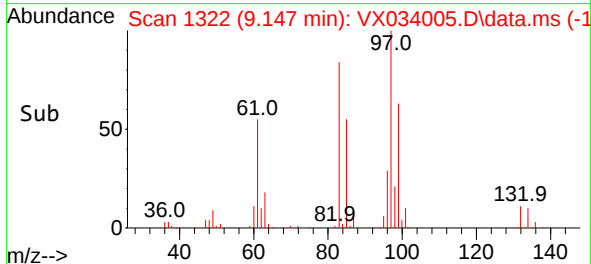
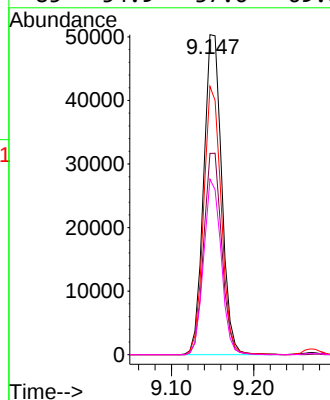
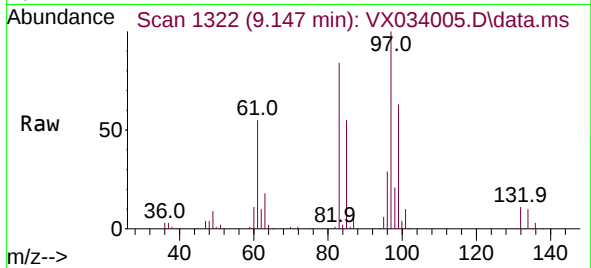




#45
1,1,2-Trichloroethane
Concen: 55.657 ug/L
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

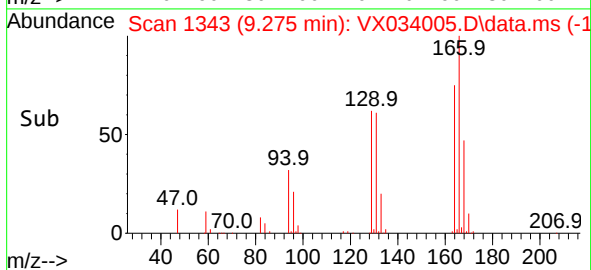
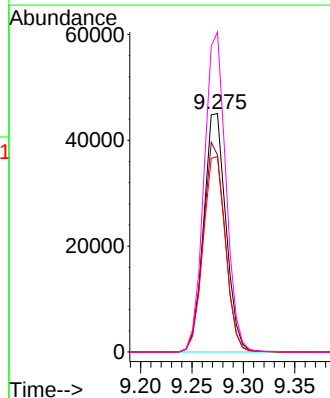
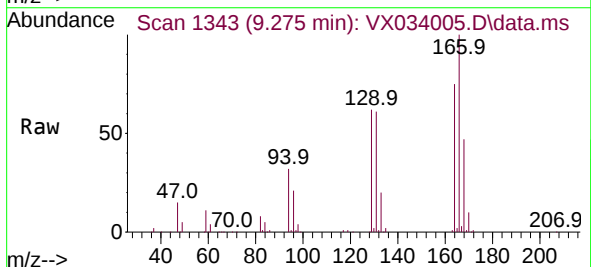
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

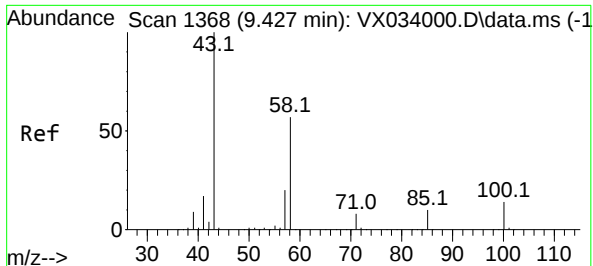
Tgt Ion:	97	Resp:	76728
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.5	80.9
83	83.9	56.8	105.4
85	54.9	37.6	69.8



#46
Tetrachloroethene
Concen: 48.709 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion:	164	Resp:	67771
Ion	Ratio	Lower	Upper
164	100		
129	82.7	59.3	110.1
131	81.9	56.1	104.3
166	134.2	90.3	167.7



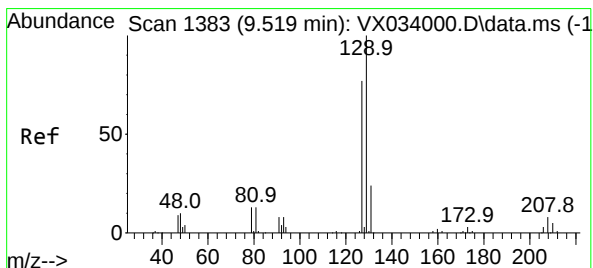
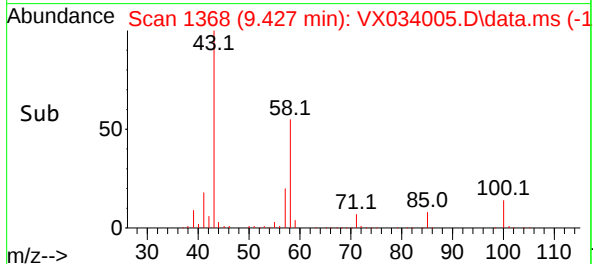
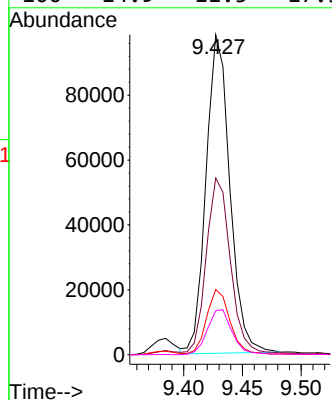
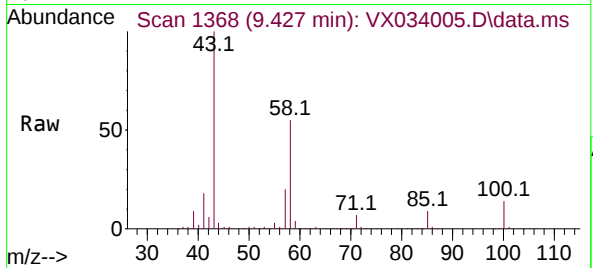


#48
2-Hexanone
Concen: 103.482 ug/L
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

Tgt Ion: 43 Resp: 138211

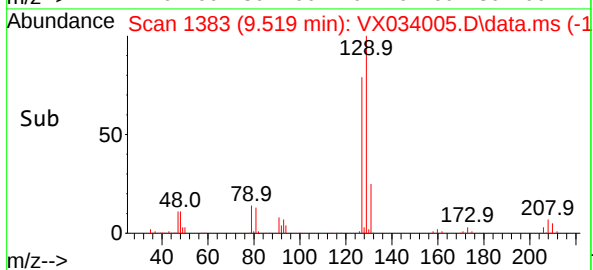
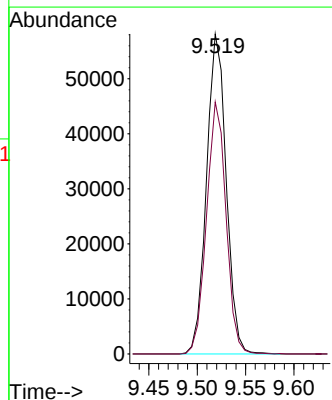
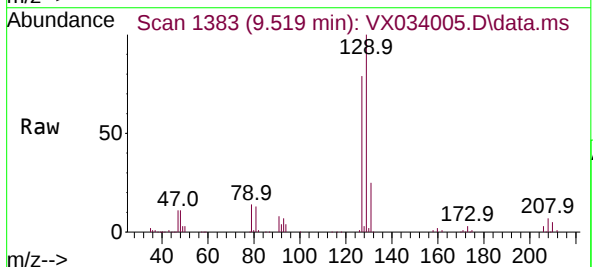
Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.7	68.5
57	20.2	15.8	23.8
100	14.9	11.5	17.3

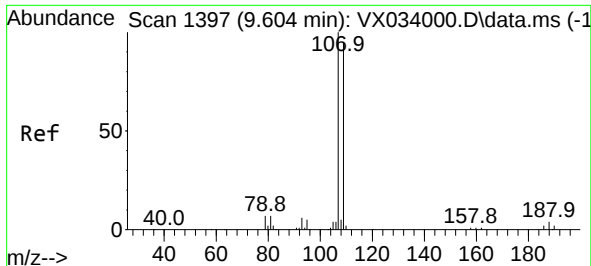


#49
Dibromochloromethane
Concen: 55.497 ug/L
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 129 Resp: 82549

Ion	Ratio	Lower	Upper
129	100		
127	78.8	53.3	98.9





#50

1,2-Dibromoethane

Concen: 55.530 ug/L

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD050617

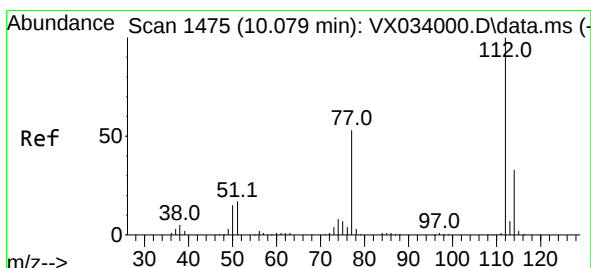
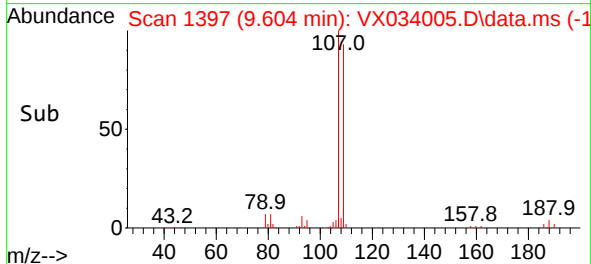
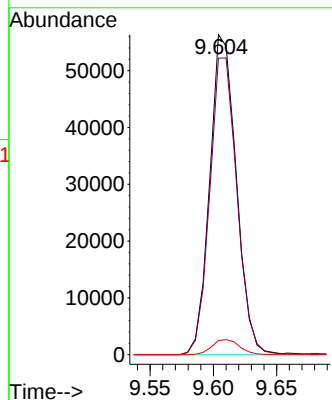
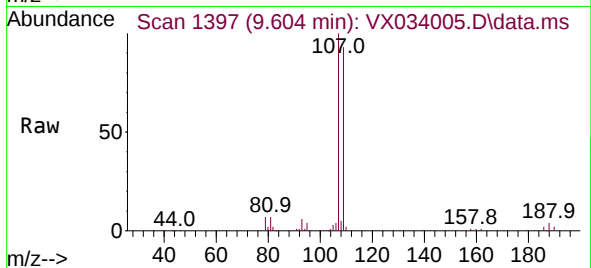
Tgt Ion:107 Resp: 82266

Ion Ratio Lower Upper

107 100

109 92.7 64.9 120.5

188 4.5 3.3 4.9



#51

Chlorobenzene

Concen: 52.399 ug/L

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

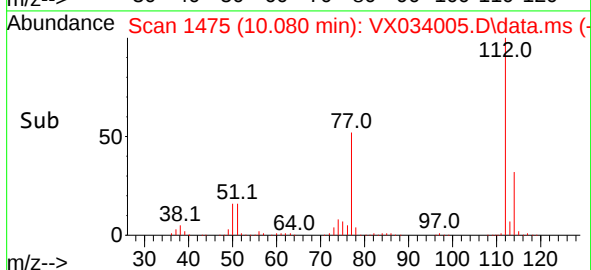
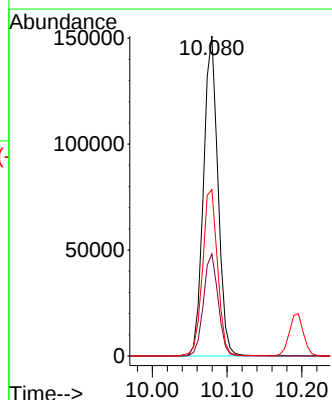
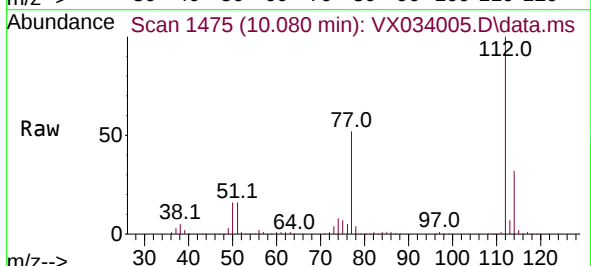
Tgt Ion:112 Resp: 202483

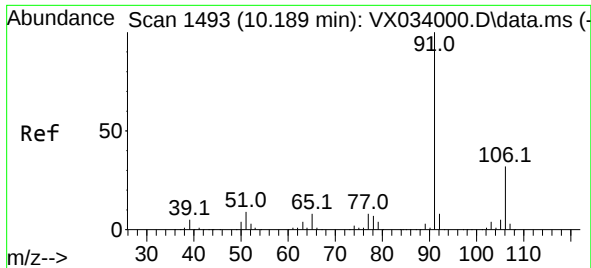
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 52.0 43.4 65.0

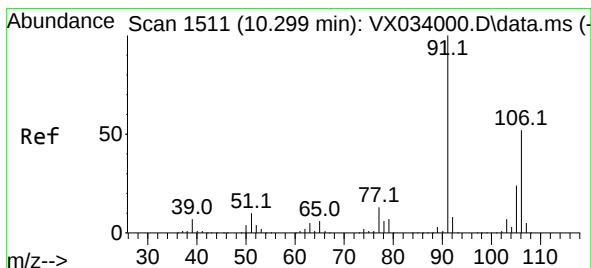
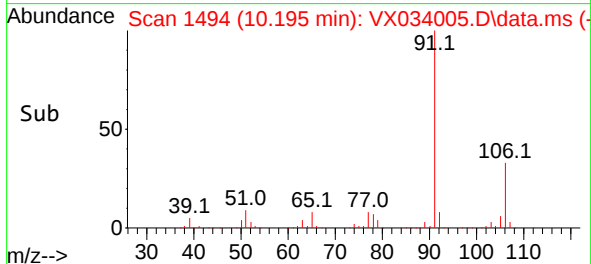
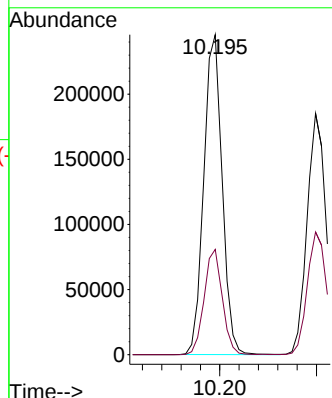
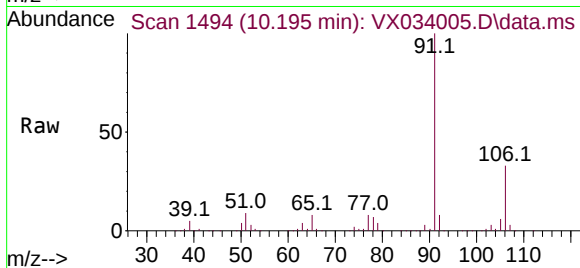




#52
Ethylbenzene
Concen: 51.575 ug/L
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

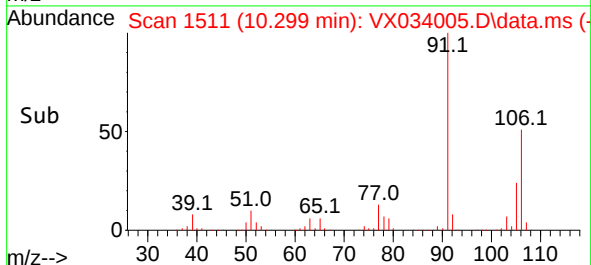
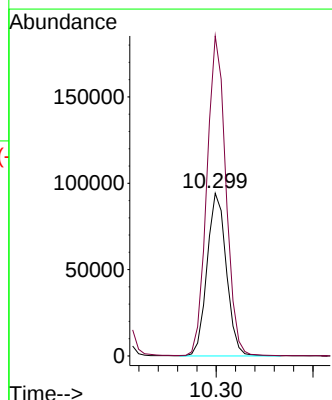
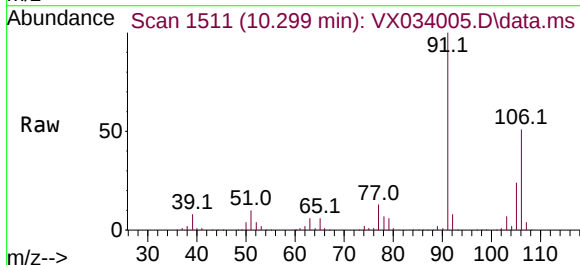
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

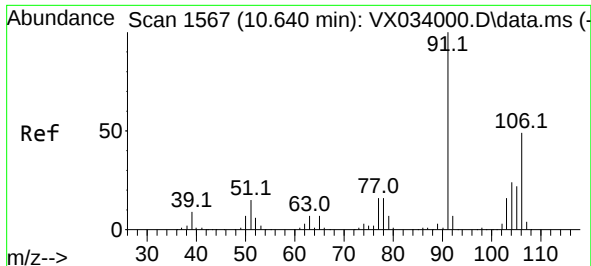
Tgt Ion: 91 Resp: 324197
Ion Ratio Lower Upper
91 100
106 32.9 23.2 43.0



#53
m,p-Xylene
Concen: 51.882 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion: 106 Resp: 130910
Ion Ratio Lower Upper
106 100
91 196.6 135.2 251.0

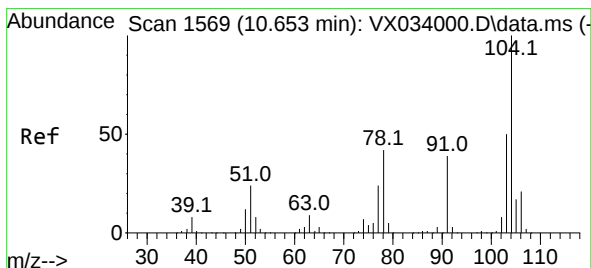
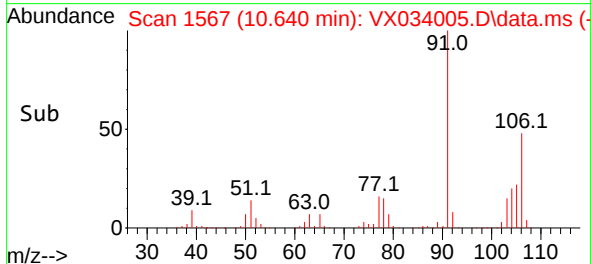
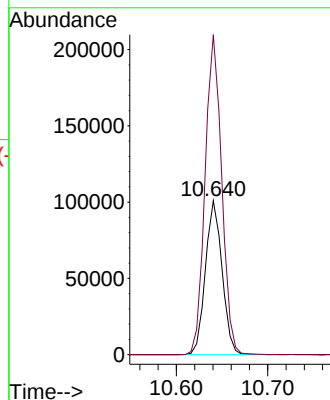
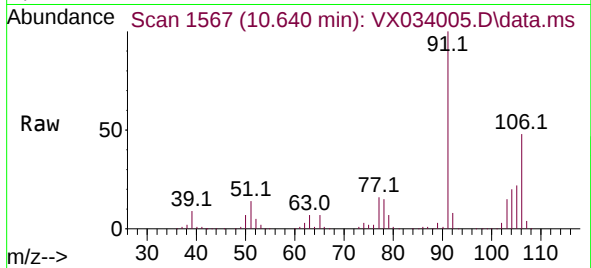




#54
o-Xylene
Concen: 52.280 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

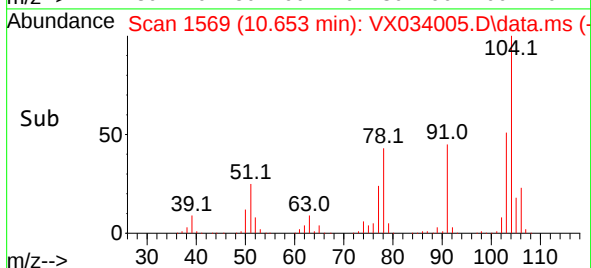
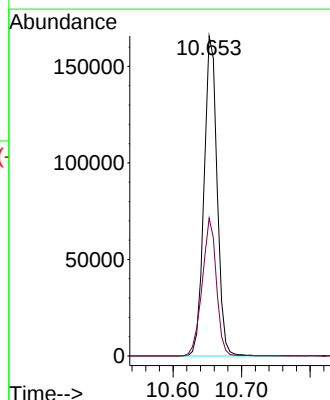
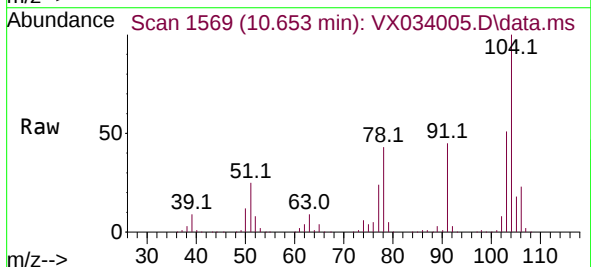
Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

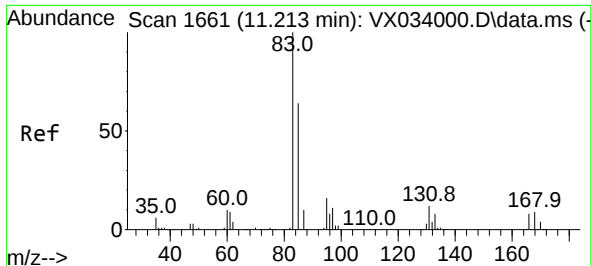
Tgt Ion:106 Resp: 127442
Ion Ratio Lower Upper
106 100
91 207.9 140.2 260.4



#55
Styrene
Concen: 54.003 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion:104 Resp: 220846
Ion Ratio Lower Upper
104 100
78 43.1 30.0 55.8

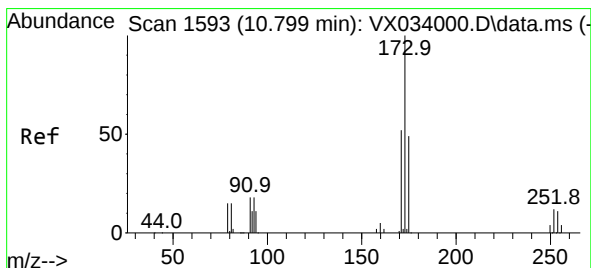
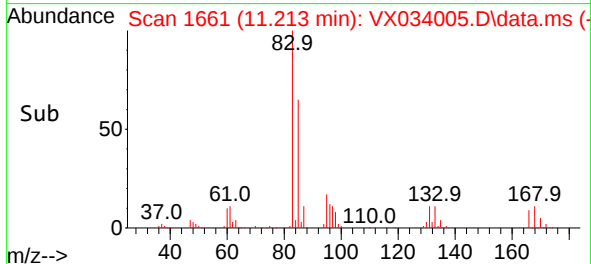
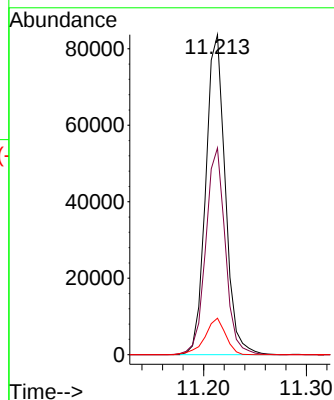
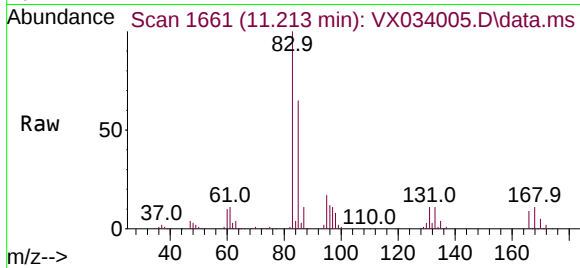




#57
 1,1,2,2-Tetrachloroethane
 Concen: 56.970 ug/L
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

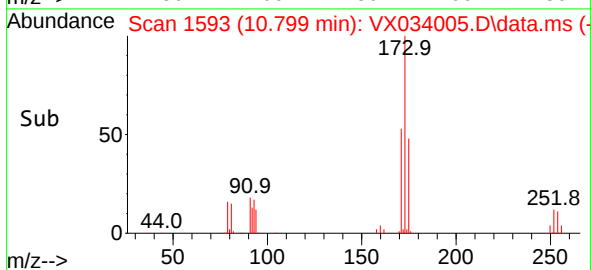
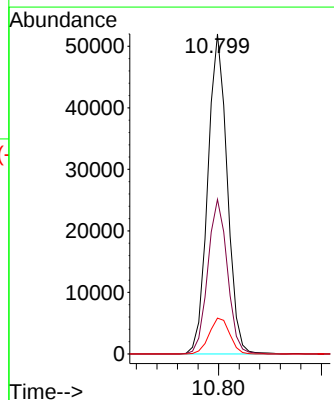
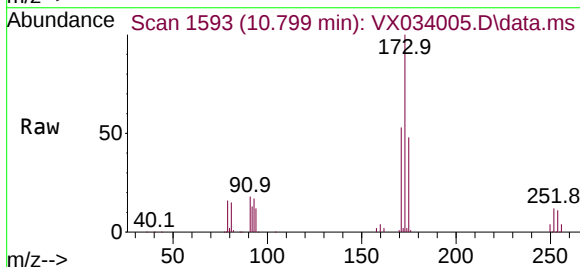
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050617

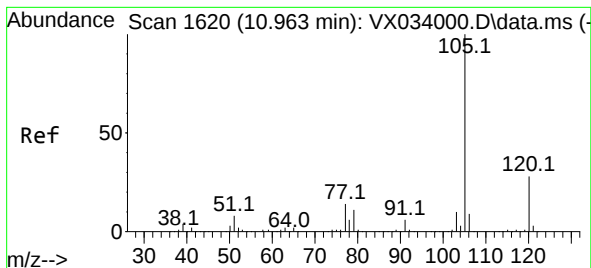
Tgt Ion: 83 Resp: 110411
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.8 85.0
 131 11.4 9.1 13.7



#59
 Bromoform
 Concen: 56.753 ug/L
 RT: 10.799 min Scan# 1593
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

Tgt Ion: 173 Resp: 67999
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.3 57.5
 254 11.8 9.1 13.7





#60

Isopropylbenzene

Concen: 51.796 ug/L

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD050617

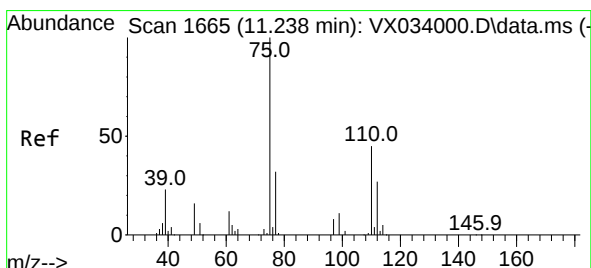
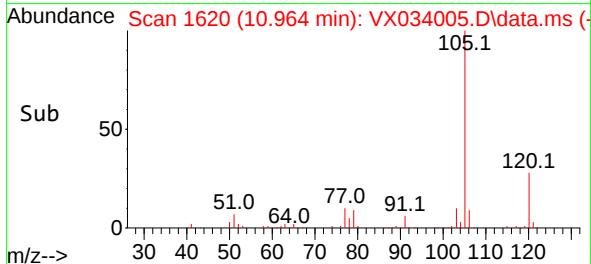
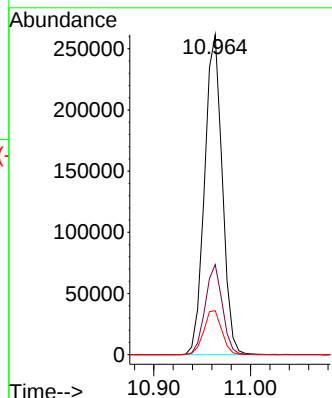
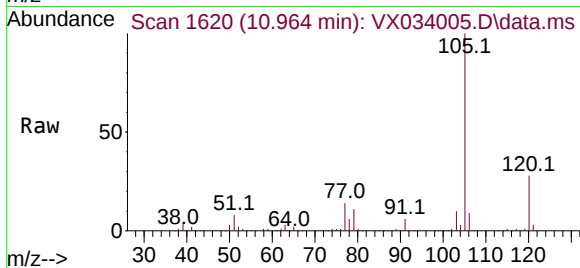
Tgt Ion:105 Resp: 333148

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

77 14.1 11.3 16.9



#61

1,2,3-Trichloropropane

Concen: 55.139 ug/L

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

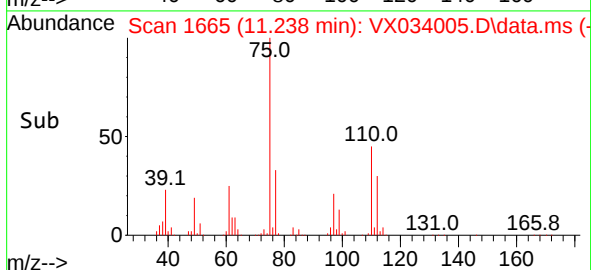
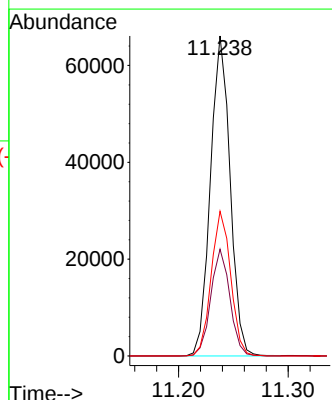
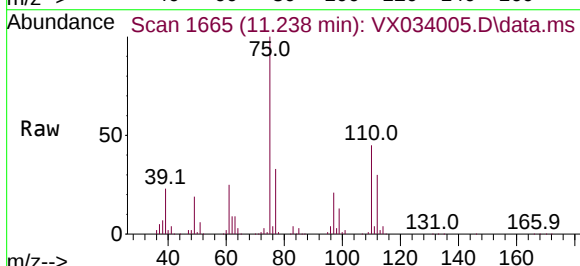
Tgt Ion: 75 Resp: 82412

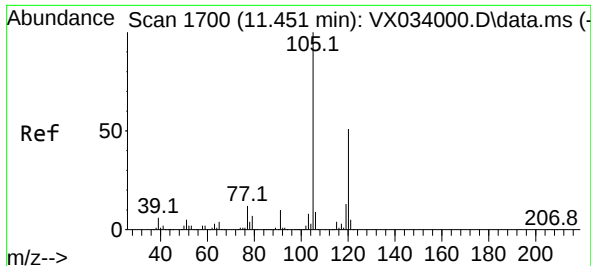
Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1

110 44.8 34.2 51.4

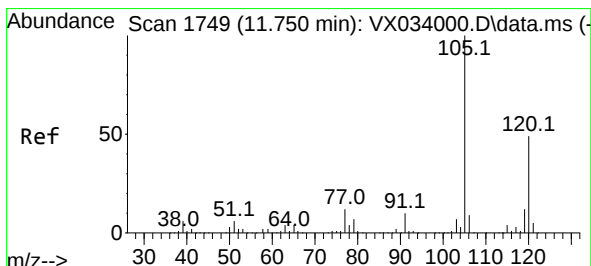
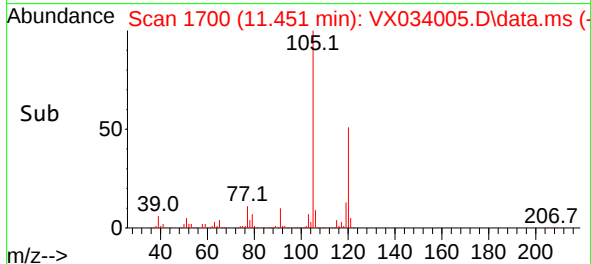
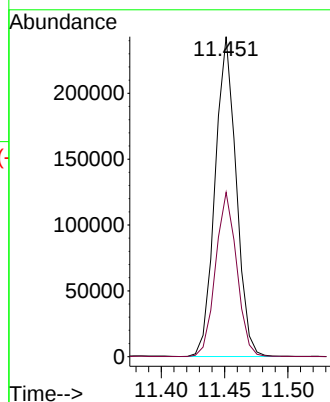
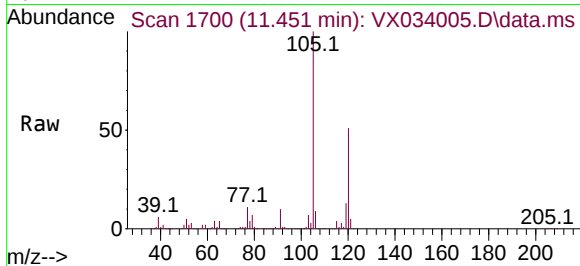




#62
 1,3,5-Trimethylbenzene
 Concen: 53.423 ug/L
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

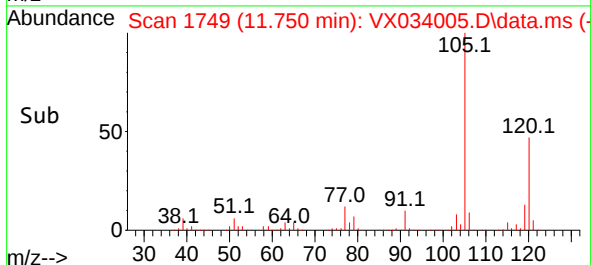
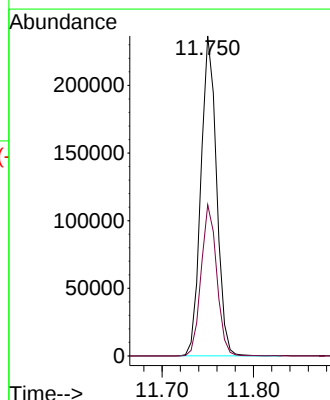
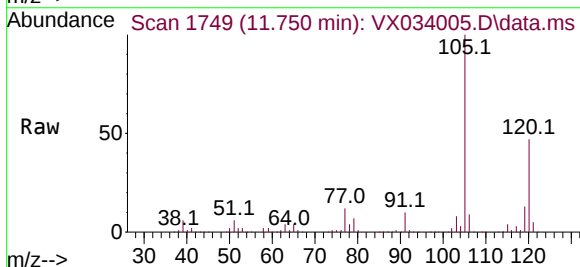
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050617

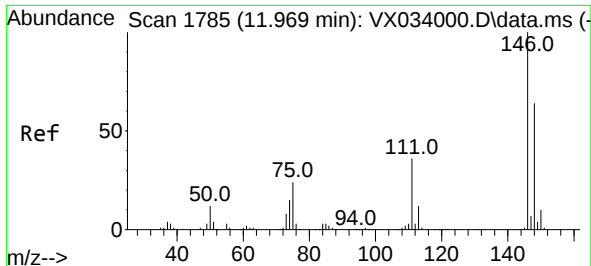
Tgt Ion:105 Resp: 281256
 Ion Ratio Lower Upper
 105 100
 120 51.5 41.3 61.9



#63
 1,2,4-Trimethylbenzene
 Concen: 54.107 ug/L
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX034005.D
 Acq: 03 Feb 2023 11:32

Tgt Ion:105 Resp: 280774
 Ion Ratio Lower Upper
 105 100
 120 47.1 38.5 57.7





#64

1,3-Dichlorobenzene

Concen: 52.746 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD050617

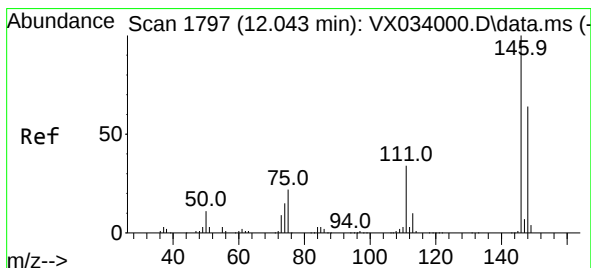
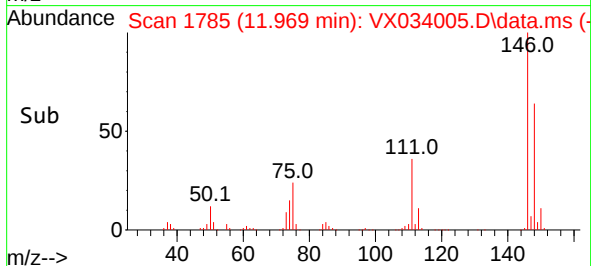
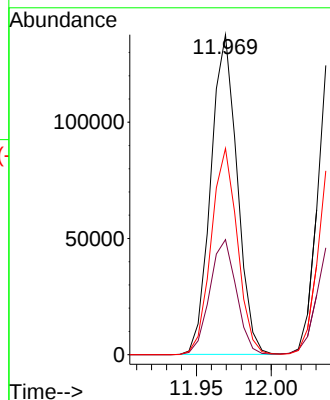
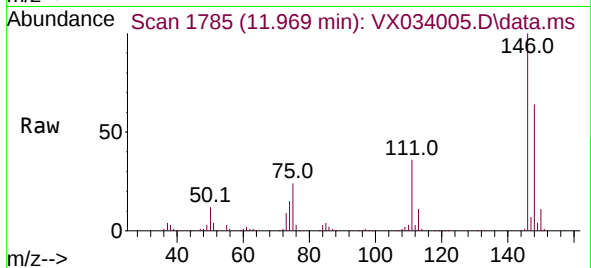
Tgt Ion:146 Resp: 168696

Ion Ratio Lower Upper

146 100

111 36.0 25.5 47.3

148 64.5 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 52.404 ug/L

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

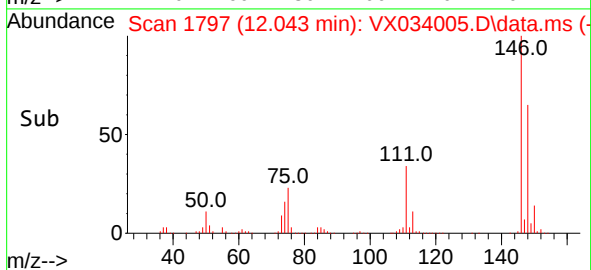
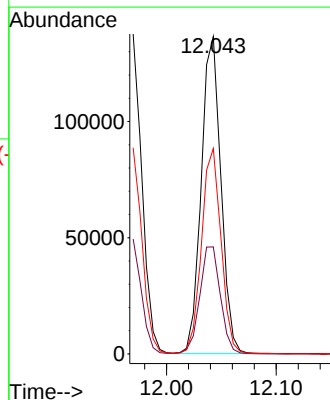
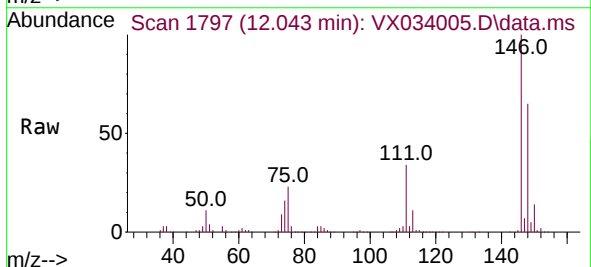
Tgt Ion:146 Resp: 169624

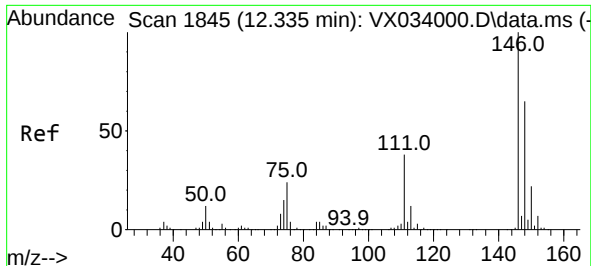
Ion Ratio Lower Upper

146 100

111 33.7 23.7 44.1

148 64.7 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 53.172 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD050617

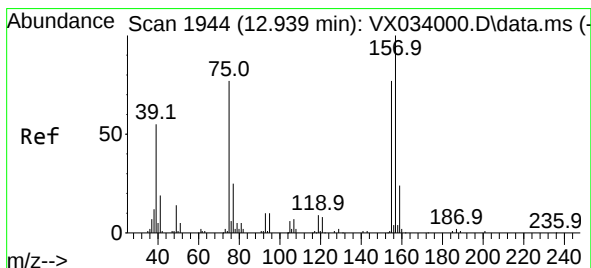
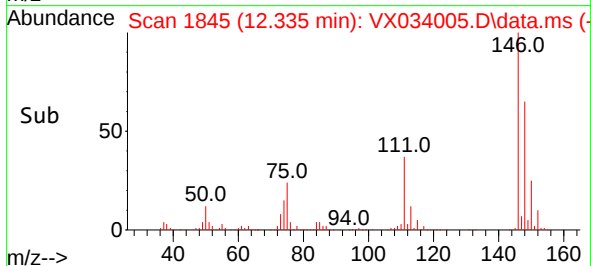
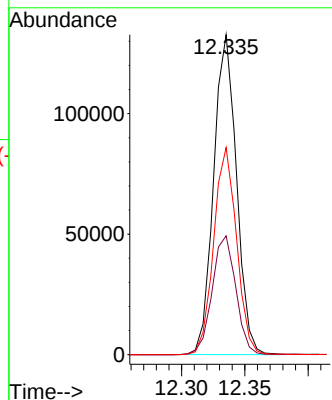
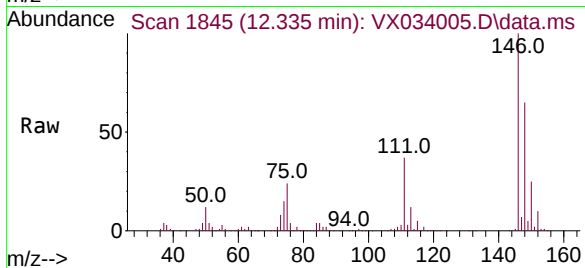
Tgt Ion:146 Resp: 166287

Ion Ratio Lower Upper

146 100

111 37.1 30.4 45.6

148 64.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 57.687 ug/L

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

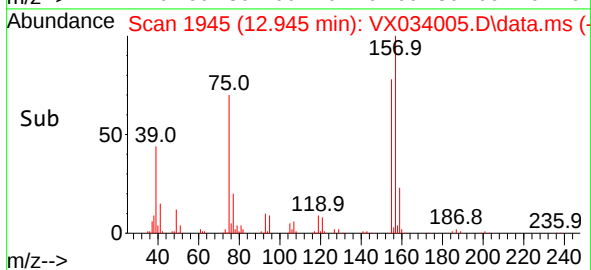
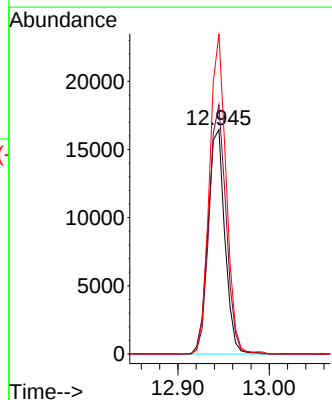
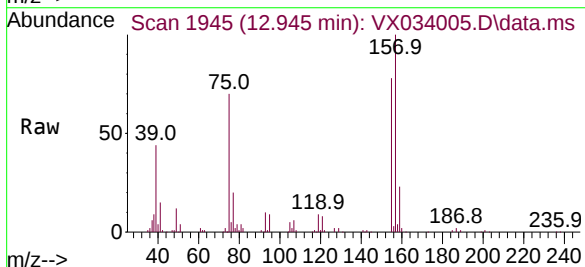
Tgt Ion: 75 Resp: 21124

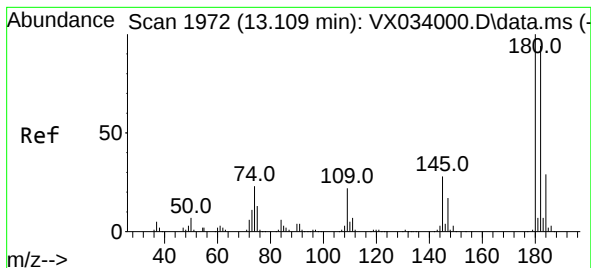
Ion Ratio Lower Upper

75 100

155 111.0 89.0 133.6

157 142.6 116.9 175.3





#69

1,3,5-Trichlorobenzene

Concen: 53.399 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VX034005.D

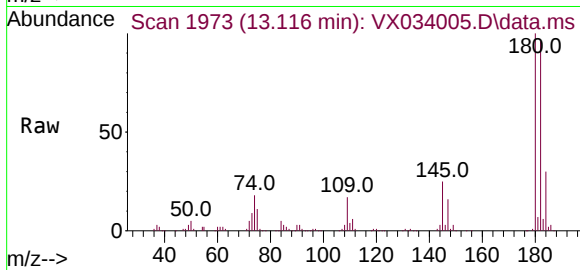
Acq: 03 Feb 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTD050617



Tgt Ion:180 Resp: 128796

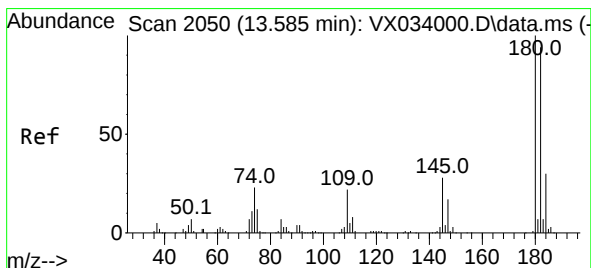
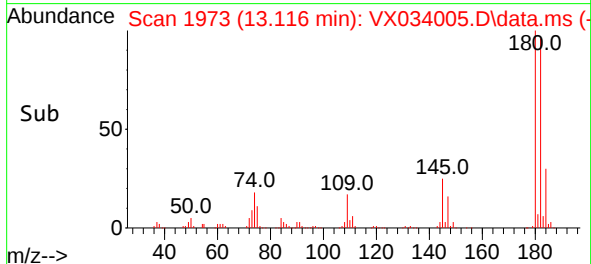
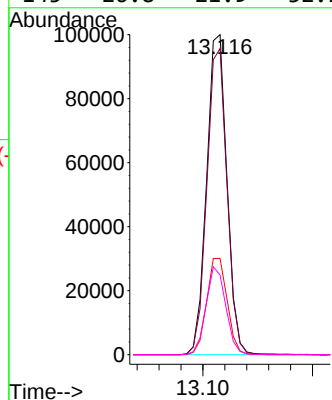
Ion Ratio Lower Upper

180 100

182 94.7 77.3 115.9

184 30.4 24.5 36.7

145 26.8 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 53.836 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX034005.D

Acq: 03 Feb 2023 11:32

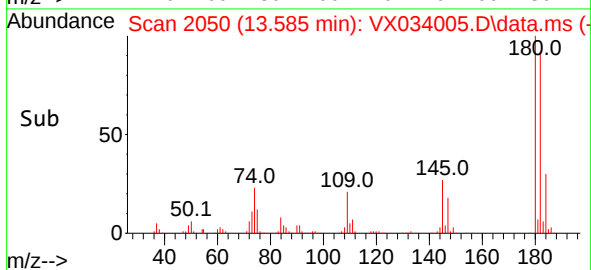
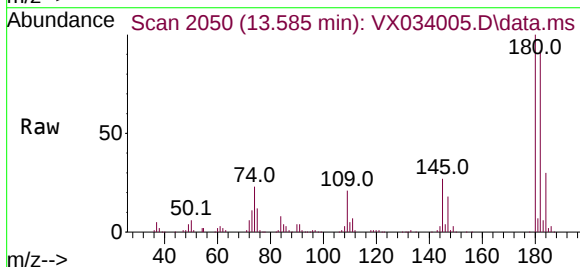
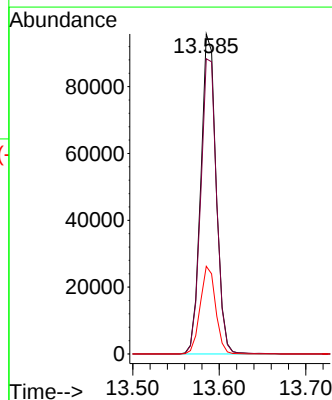
Tgt Ion:180 Resp: 117878

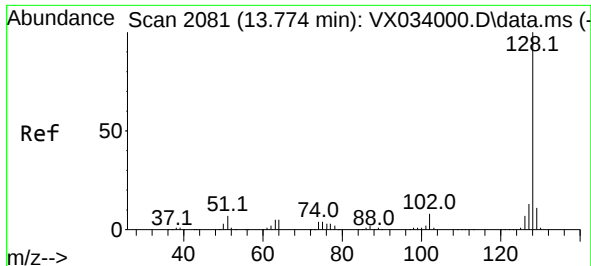
Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 27.5 22.3 33.5

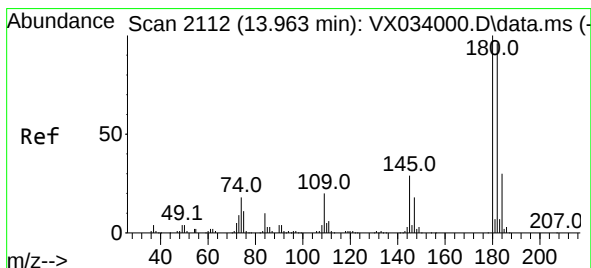
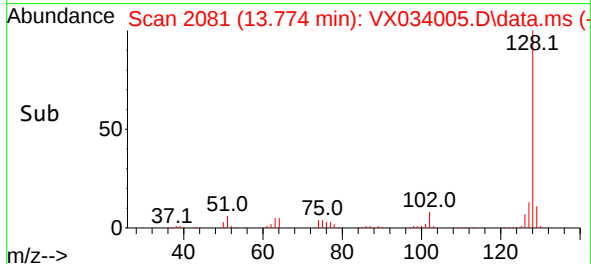
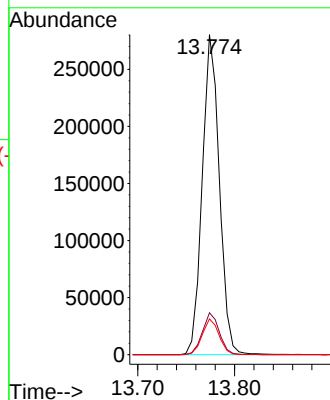
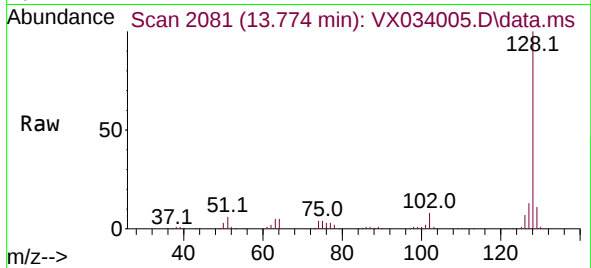




#71
Naphthalene
Concen: 56.990 ug/L
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTD050617

Tgt Ion:128 Resp: 345461
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 53.418 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX034005.D
Acq: 03 Feb 2023 11:32

Tgt Ion:180 Resp: 115462
Ion Ratio Lower Upper
180 100
182 97.6 77.1 115.7
145 30.2 23.5 35.3

