

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029187.D
 Acq On : 19 Nov 2022 21:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

Quant Time: Nov 20 01:03:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 00:53:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	341690	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	304892	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	161906	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	108860	5.226	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.600%
7) Chloroethane-d5	1.568	69	88223	4.818	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.108	63	182471	4.807	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.200%
20) 2-Butanone-d5	3.921	46	141760	40.653	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.300%
24) Chloroform-d	4.346	84	196714	4.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.000%
26) 1,2-Dichloroethane-d4	5.034	65	84480	4.390	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.050	84	407695	4.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.069	67	115361	4.540	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.313	98	374719	4.574	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	7.622	79	38800	4.681	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.600%
46) 2-Hexanone-d5	8.091	63	175325	49.558	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.120%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	83629	4.747	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	11.615	152	131449	4.538	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	122381	4.297	ug/L	98
3) Chloromethane	1.240	50	109782	4.644	ug/L	97
5) Vinyl chloride	1.310	62	120901	4.484	ug/L	97
6) Bromomethane	1.523	94	71016	4.407	ug/L	94
8) Chloroethane	1.584	64	84876	5.357	ug/L	95
9) Trichlorofluoromethane	1.751	101	169550	4.663	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	98632	4.791	ug/L	99
12) 1,1-Dichloroethene	2.117	96	97477	4.712	ug/L	93
13) Acetone	2.211	43	88970	39.664	ug/L	64
14) Carbon disulfide	2.294	76	290942	3.961	ug/L	100
15) Methyl Acetate	2.445	43	26317	4.834	ug/L	98
16) Methylene chloride	2.506	84	110375	4.127	ug/L	100
17) Methyl tert-butyl Ether	2.770	73	210563	4.748	ug/L	98
18) trans-1,2-Dichloroethene	2.760	96	109665	4.571	ug/L	98
19) 1,1-Dichloroethane	3.188	63	187763	4.788	ug/L	98
21) 2-Butanone	4.002	43	111487	32.103	ug/L	86
22) cis-1,2-Dichloroethene	3.912	96	116403	4.773	ug/L	95
23) Bromochloromethane	4.246	128	49499	4.799	ug/L	93
25) Chloroform	4.375	83	190586	4.636	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VV029187.D
 Acq On : 19 Nov 2022 21:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

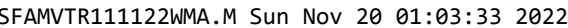
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

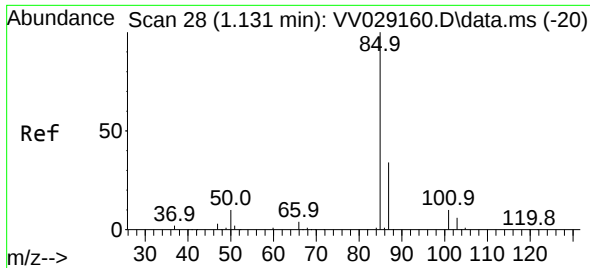
Quant Time: Nov 20 01:03:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 00:53:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	100786	4.760	ug/L	99
29) 1,1,1-Trichloroethane	4.606	97	163909	4.581	ug/L	99
30) Cyclohexane	4.677	56	170514	4.689	ug/L	98
31) Carbon tetrachloride	4.828	117	137059	4.449	ug/L	99
33) Benzene	5.098	78	445831	4.785	ug/L	100
34) Trichloroethene	5.915	95	113416	4.755	ug/L	98
35) Methylcyclohexane	6.130	83	186969	4.460	ug/L	96
37) 1,2-Dichloropropane	6.172	63	104076	4.844	ug/L	100
38) Bromodichloromethane	6.510	83	122066	4.486	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	136273	4.543	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	495688	53.623	ug/L	100
42) Toluene	7.384	91	483212	4.801	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	104970	4.508	ug/L	99
45) 1,1,2-Trichloroethane	7.837	97	73819	5.249	ug/L	95
47) Tetrachloroethene	7.972	164	92388	4.837	ug/L	98
48) 2-Hexanone	8.140	43	343217	53.005	ug/L	98
49) Dibromochloromethane	8.243	129	76723	4.512	ug/L	99
50) 1,2-Dibromoethane	8.349	107	66118	5.060	ug/L	97
51) Chlorobenzene	8.876	112	307605	4.943	ug/L	100
52) Ethylbenzene	9.008	91	516571	4.930	ug/L	100
53) m,p-Xylene	9.133	106	202270	4.853	ug/L	98
54) o-Xylene	9.538	106	196173	4.952	ug/L	99
55) Styrene	9.554	104	334319	5.031	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.236	83	84636	5.163	ug/L	99
59) Bromoform	9.728	173	37646	4.265	ug/L	98
60) Isopropylbenzene	9.924	105	529264	5.036	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	58883	5.322	ug/L	99
62) 1,3,5-Trimethylbenzene	10.532	105	443996	4.987	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	449052	5.035	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	244588	4.953	ug/L	98
65) 1,4-Dichlorobenzene	11.265	146	242597	4.887	ug/L	100
67) 1,2-Dichlorobenzene	11.635	146	217063	4.893	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	9435	4.334	ug/L	85
69) 1,3,5-Trichlorobenzene	12.635	180	180042	4.726	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	141492	4.910	ug/L	99
71) Naphthalene	13.493	128	207927	5.593	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	123933	5.078	ug/L	99

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

Quant Time: Nov 20 01:03:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sun Nov 20 00:53:03 2022
Response via : Initial Calibration

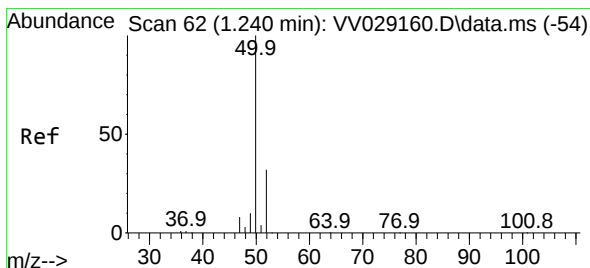
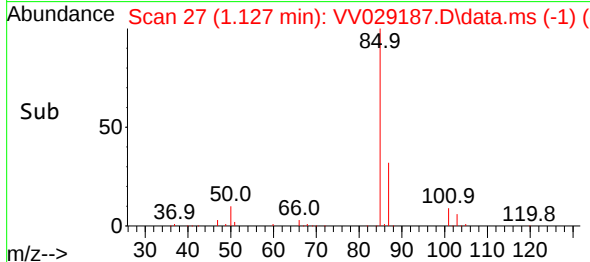
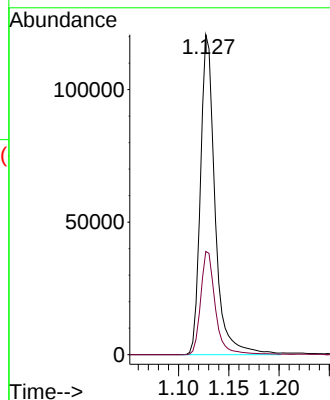
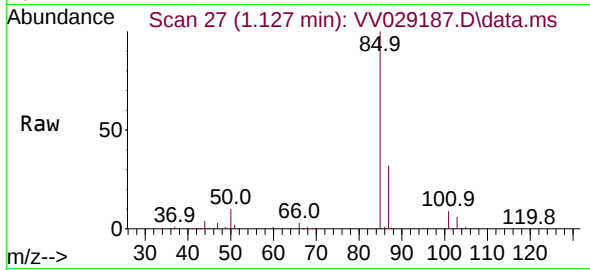




#2
 Dichlorodifluoromethane
 Concen: 4.297 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

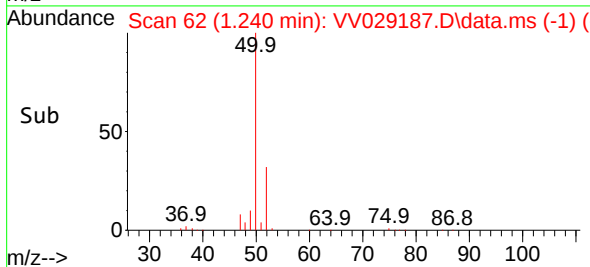
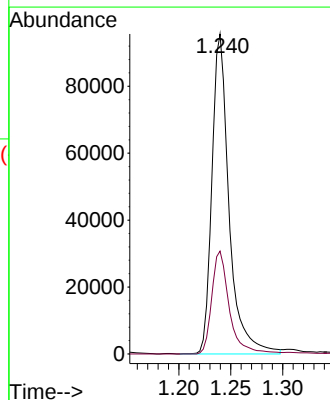
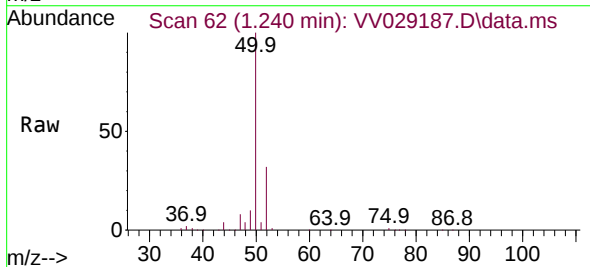
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

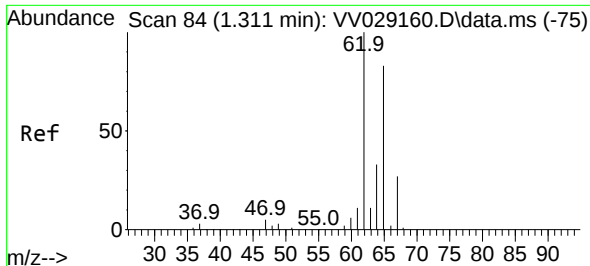
Tgt Ion: 85 Resp: 122381
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.0 37.4



#3
 Chloromethane
 Concen: 4.644 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

Tgt Ion: 50 Resp: 109782
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.7 43.9

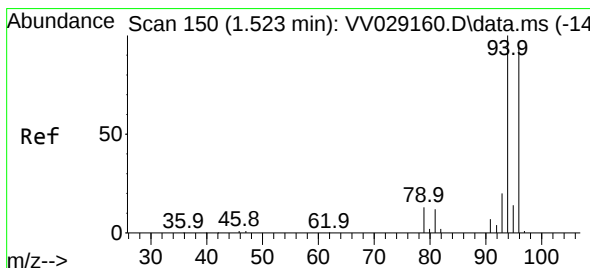
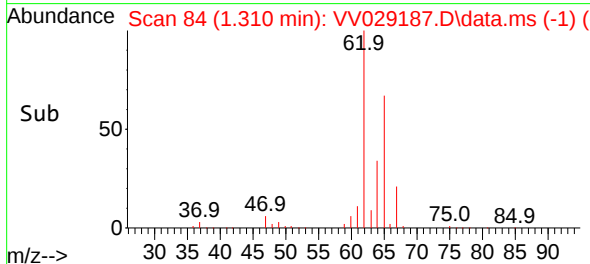
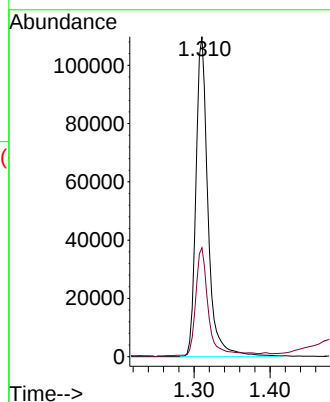
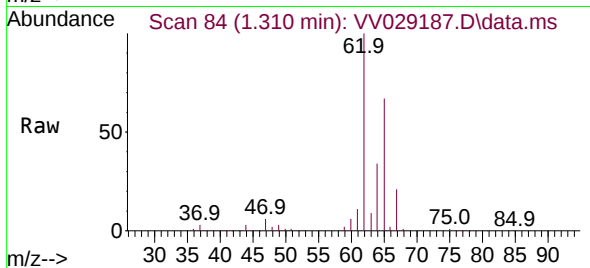




#5
 Vinyl chloride
 Concen: 4.484 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

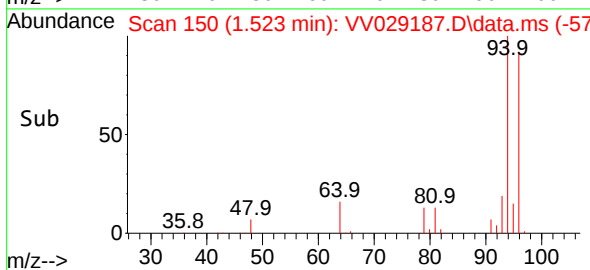
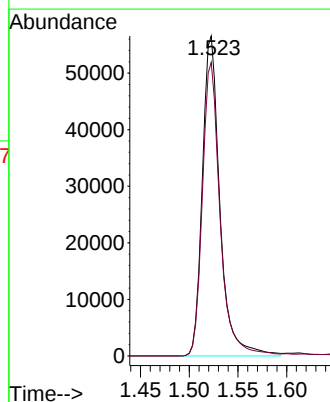
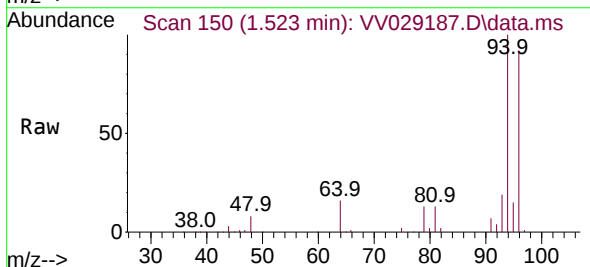
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

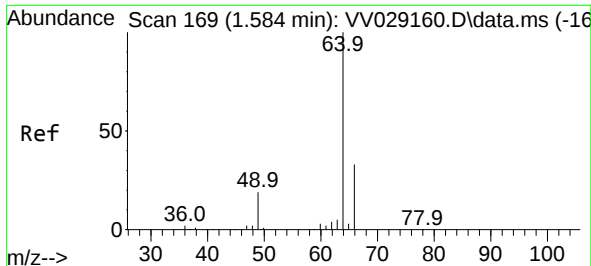
Tgt Ion: 62 Resp: 120901
 Ion Ratio Lower Upper
 62 100
 64 34.1 22.8 42.4



#6
 Bromomethane
 Concen: 4.407 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

Tgt Ion: 94 Resp: 71016
 Ion Ratio Lower Upper
 94 100
 96 91.7 68.5 127.3

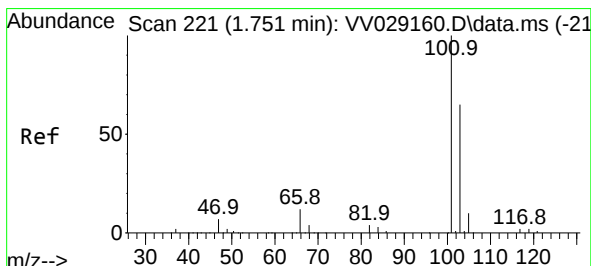
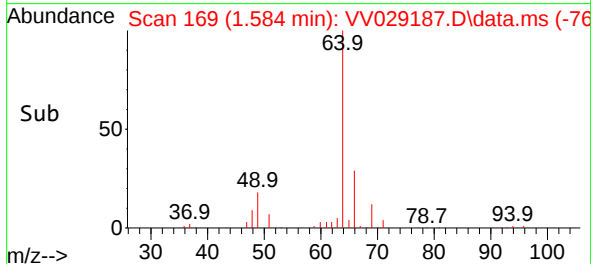
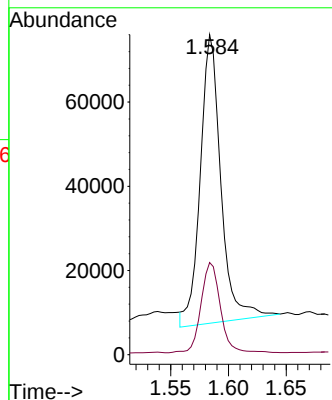
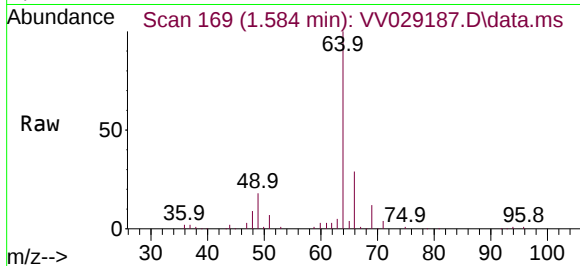




#8
Chloroethane
Concen: 5.357 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

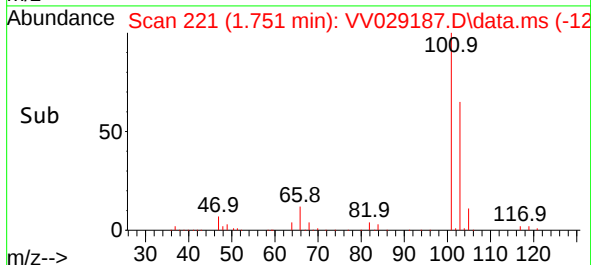
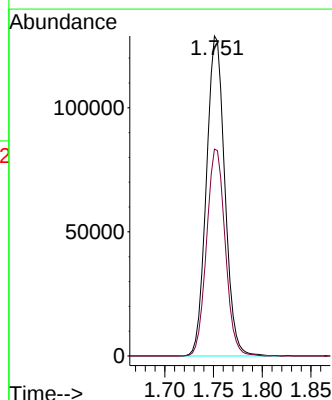
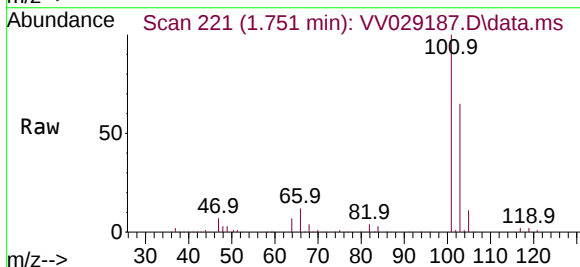
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

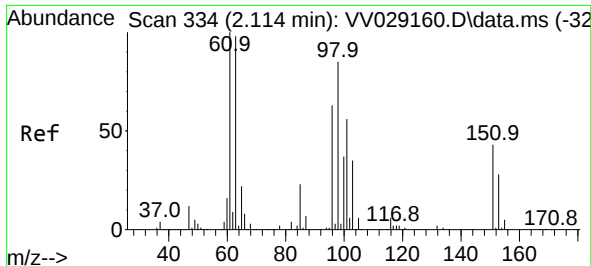
Tgt Ion: 64 Resp: 84876
Ion Ratio Lower Upper
64 100
66 28.8 22.0 40.8



#9
Trichlorofluoromethane
Concen: 4.663 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion:101 Resp: 169550
Ion Ratio Lower Upper
101 100
103 65.3 51.3 76.9

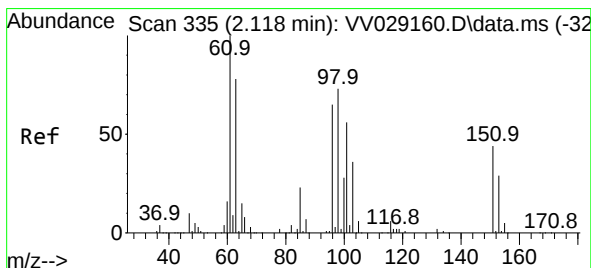
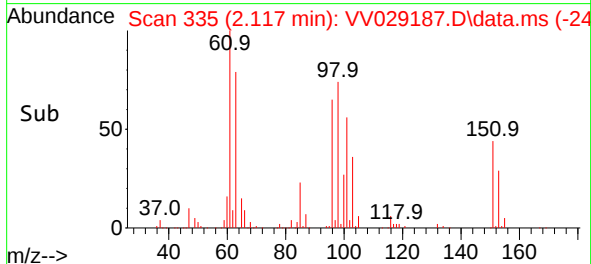
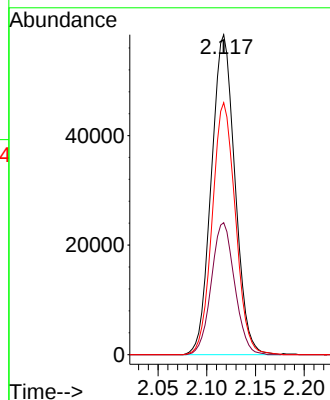
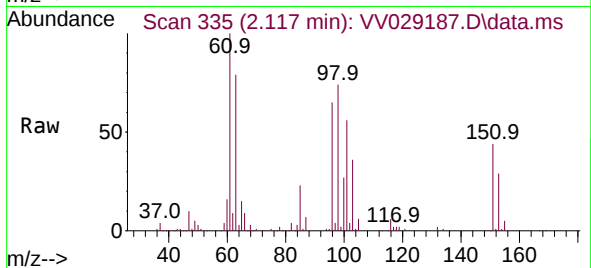




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.791 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

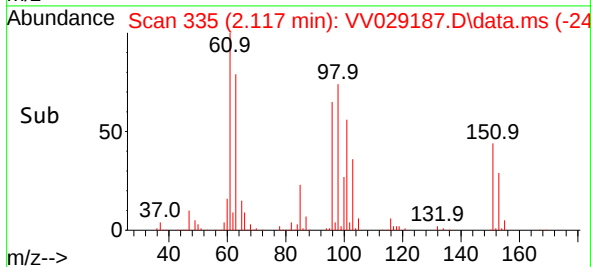
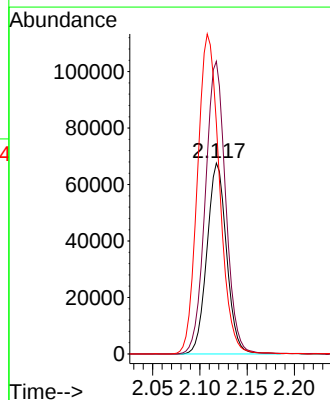
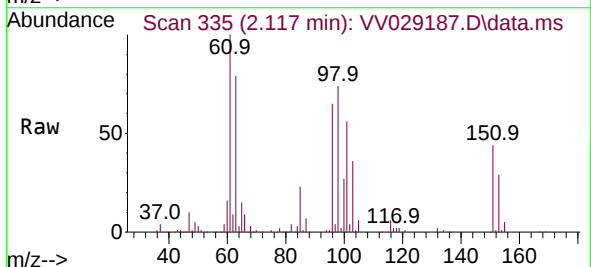
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

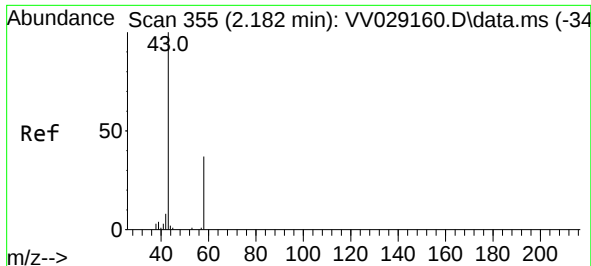
Tgt Ion:101 Resp: 98632
Ion Ratio Lower Upper
101 100
85 40.6 32.9 49.3
151 77.2 62.5 93.7



#12
1,1-Dichloroethene
Concen: 4.712 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion: 96 Resp: 97477
Ion Ratio Lower Upper
96 100
61 153.3 104.2 193.4
63 121.0 75.9 140.9





#13

Acetone

Concen: 39.664 ug/L

RT: 2.211 min Scan# 3

Delta R.T. 0.029 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

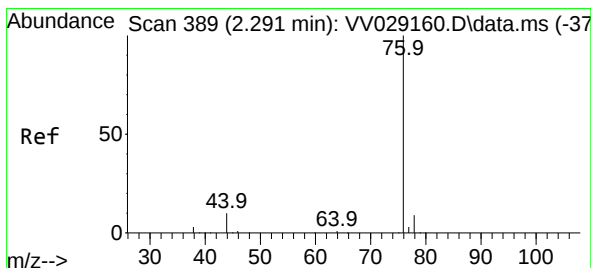
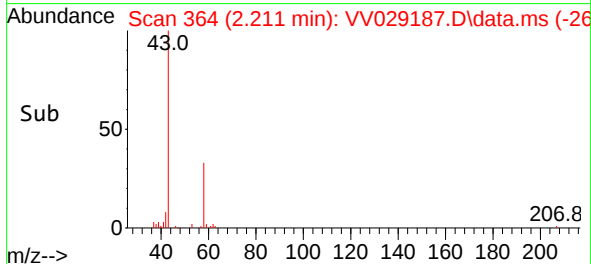
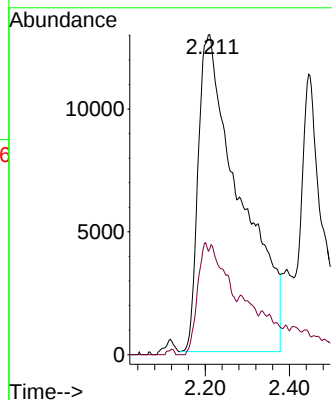
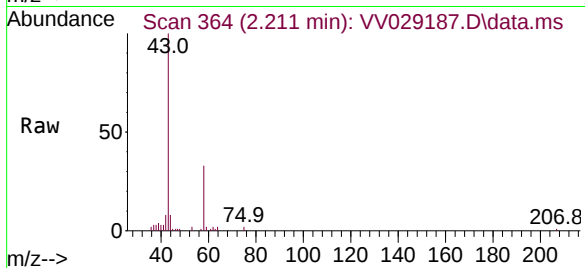
VSTD005359

Tgt Ion: 43 Resp: 88970

Ion Ratio Lower Upper

43 100

58 9.1 0.0 56.6



#14

Carbon disulfide

Concen: 3.961 ug/L

RT: 2.294 min Scan# 390

Delta R.T. 0.003 min

Lab File: VV029187.D

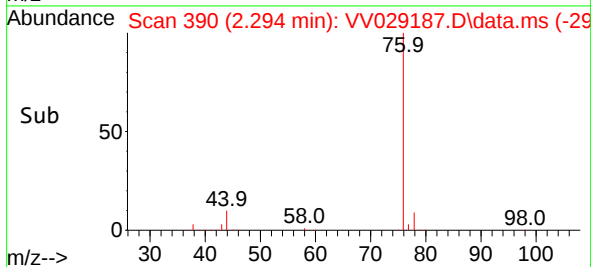
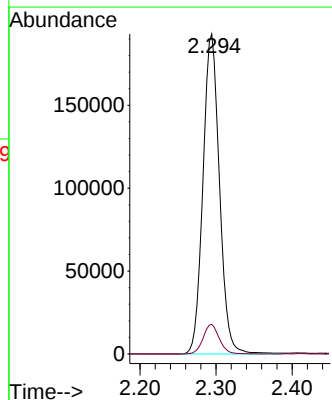
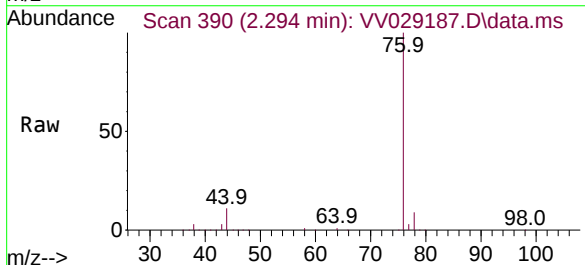
Acq: 19 Nov 2022 21:41

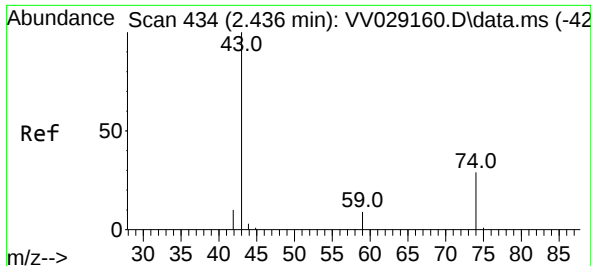
Tgt Ion: 76 Resp: 290942

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

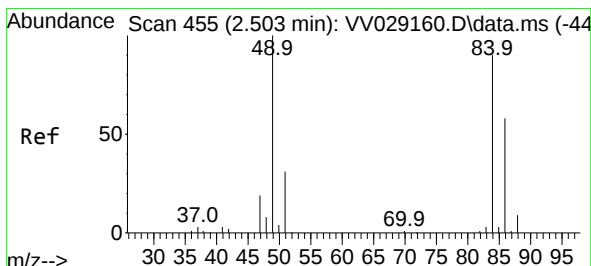
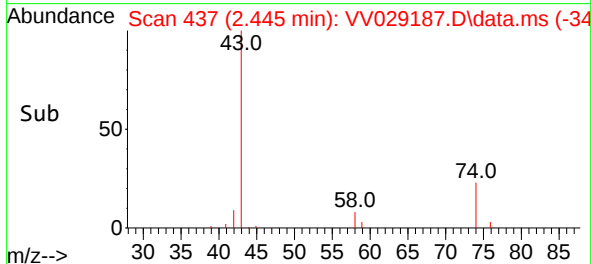
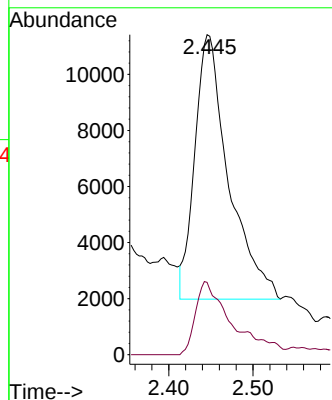
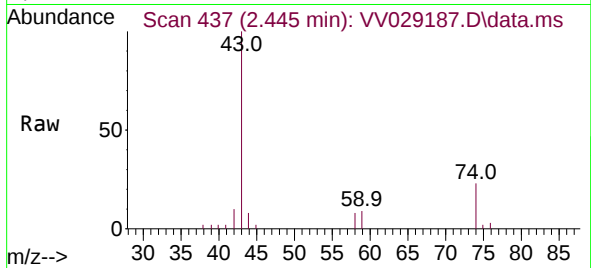




#15
Methyl Acetate
Concen: 4.834 ug/L
RT: 2.445 min Scan# 41
Delta R.T. 0.009 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

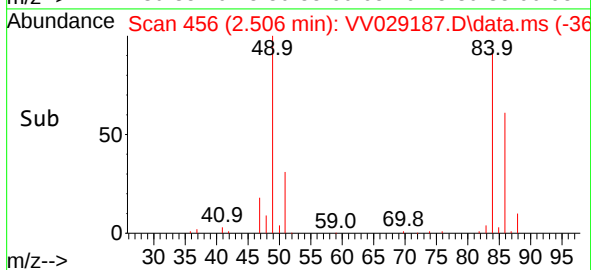
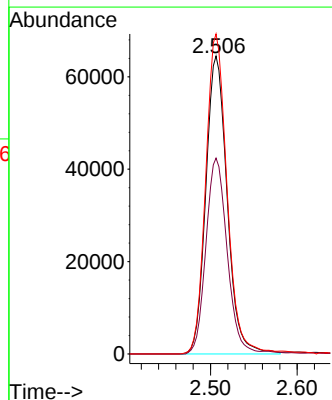
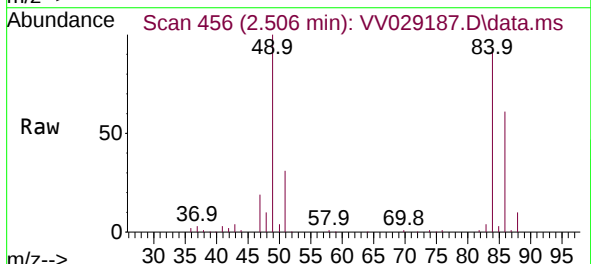
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

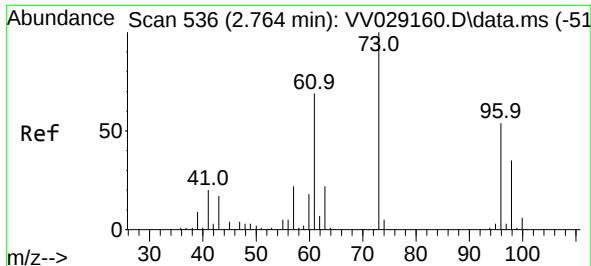
Tgt Ion: 43 Resp: 26317
Ion Ratio Lower Upper
43 100
74 29.9 24.6 37.0



#16
Methylene chloride
Concen: 4.127 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion: 84 Resp: 110375
Ion Ratio Lower Upper
84 100
86 65.8 45.8 85.0
49 107.4 75.5 140.1

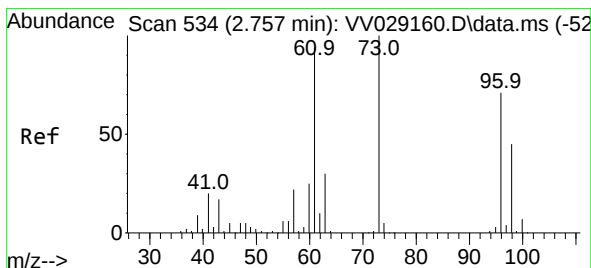
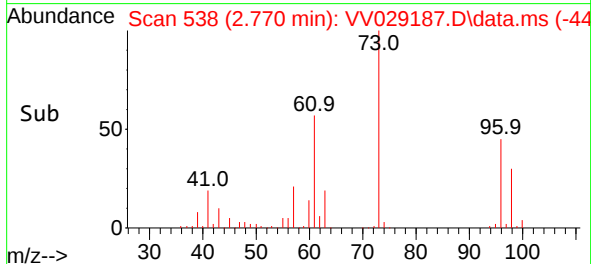
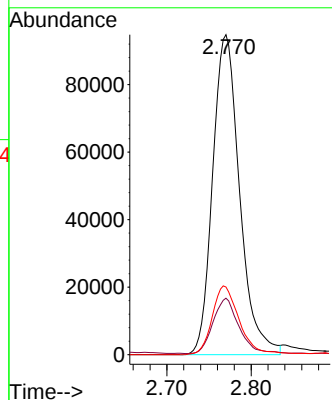
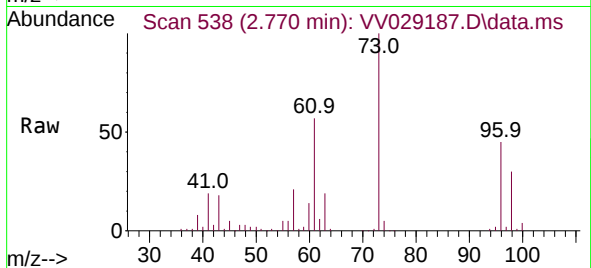




#17
Methyl tert-butyl Ether
Concen: 4.748 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

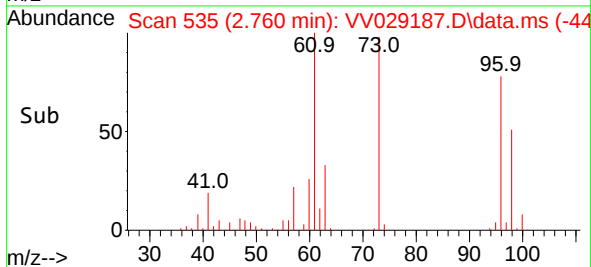
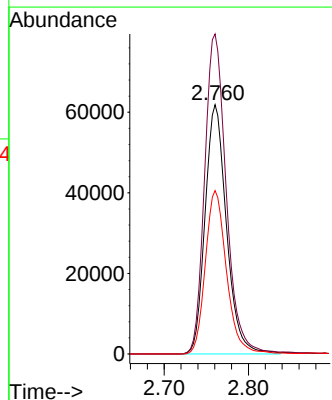
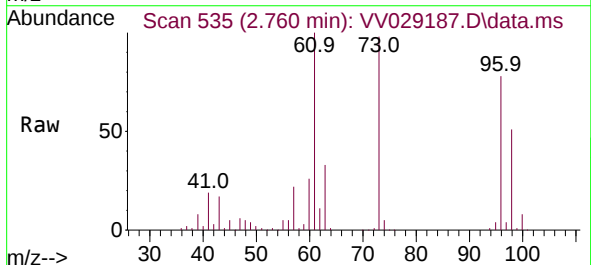
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

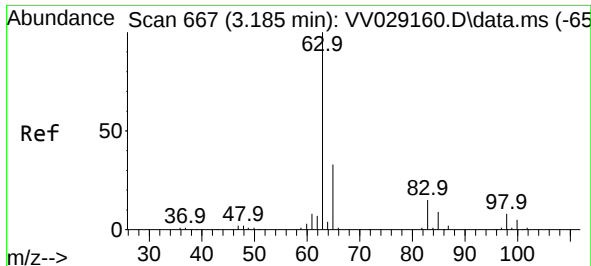
Tgt Ion: 73 Resp: 210563
Ion Ratio Lower Upper
73 100
43 16.6 13.0 19.4
57 21.6 16.6 24.8



#18
trans-1,2-Dichloroethene
Concen: 4.571 ug/L
RT: 2.760 min Scan# 535
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion: 96 Resp: 109665
Ion Ratio Lower Upper
96 100
61 128.4 91.8 170.6
98 65.5 46.4 86.2





#19

1,1-Dichloroethane

Concen: 4.788 ug/L

RT: 3.188 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

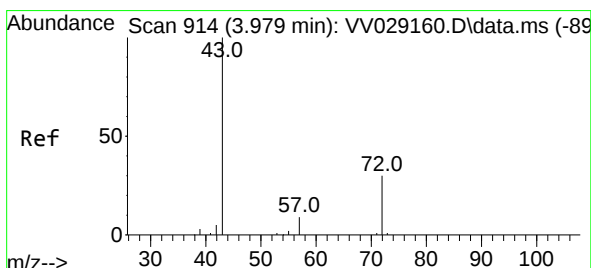
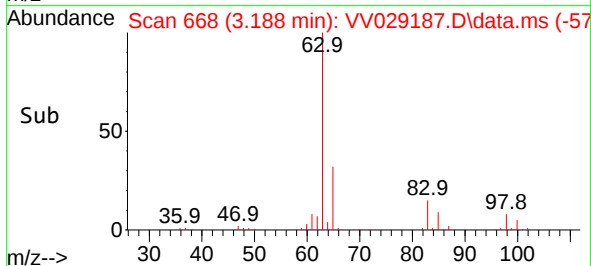
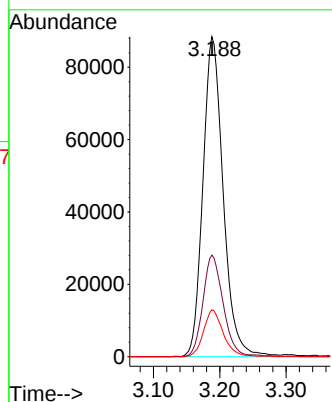
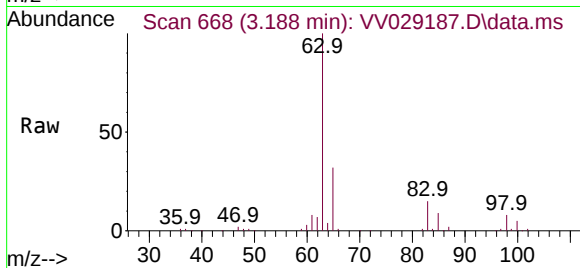
Tgt Ion: 63 Resp: 187763

Ion Ratio Lower Upper

63 100

65 31.7 23.0 42.6

83 14.6 9.4 17.6



#21

2-Butanone

Concen: 32.103 ug/L

RT: 4.002 min Scan# 921

Delta R.T. 0.022 min

Lab File: VV029187.D

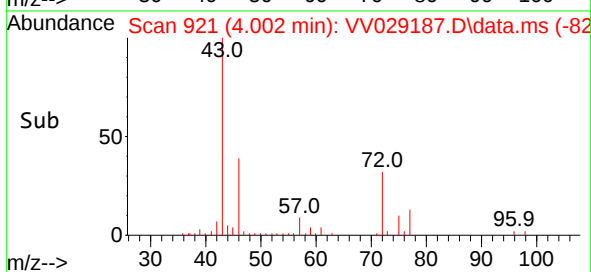
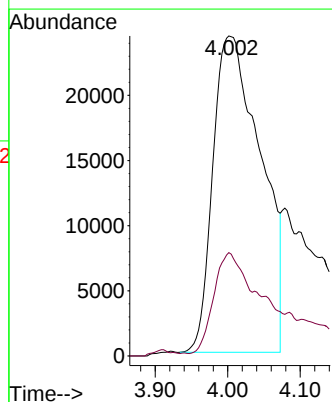
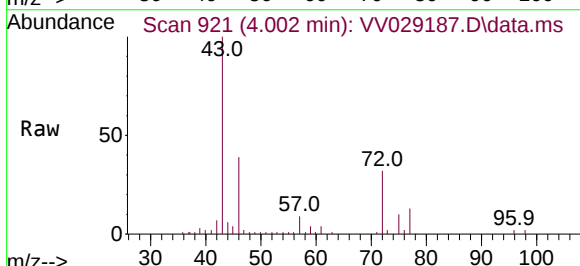
Acq: 19 Nov 2022 21:41

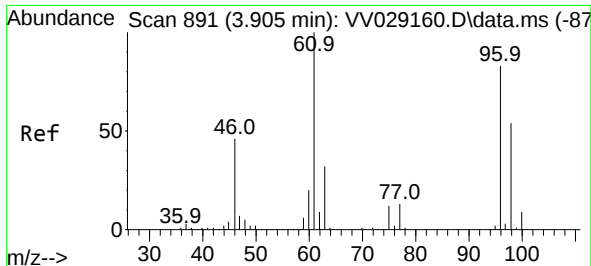
Tgt Ion: 43 Resp: 111487

Ion Ratio Lower Upper

43 100

72 30.7 11.9 35.9

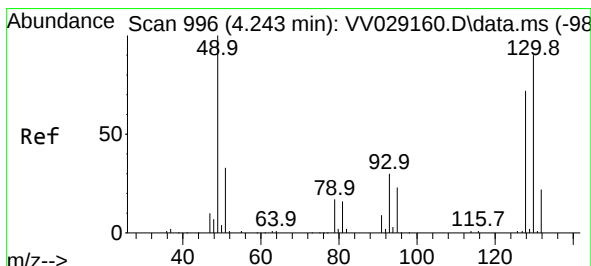
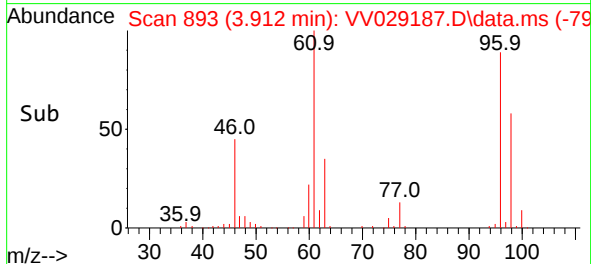
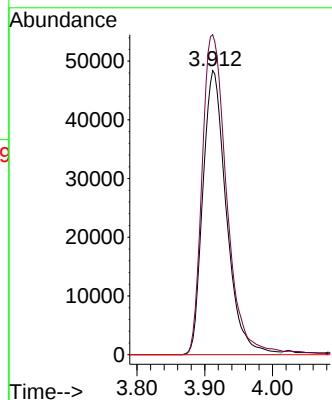
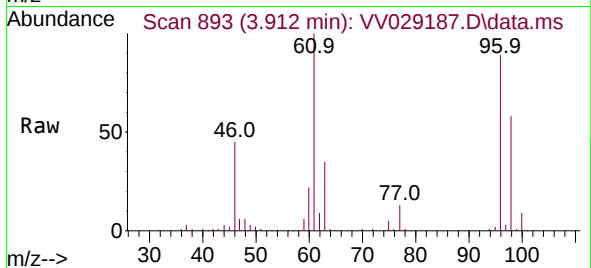




#22
 cis-1,2-Dichloroethene
 Concen: 4.773 ug/L
 RT: 3.912 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

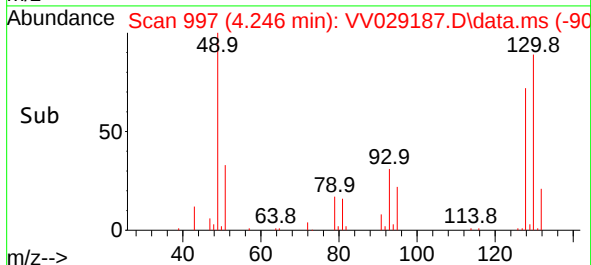
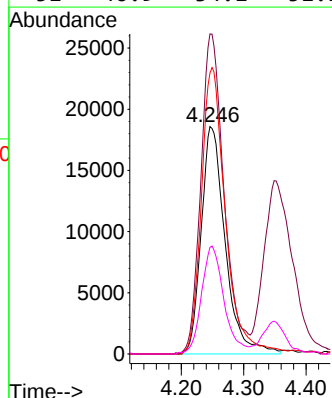
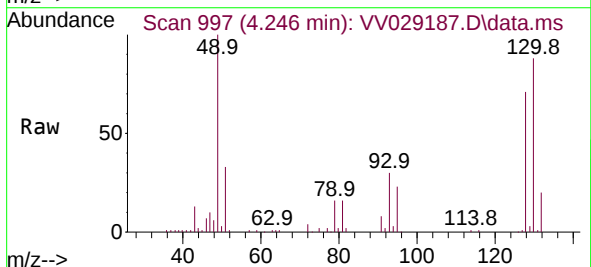
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

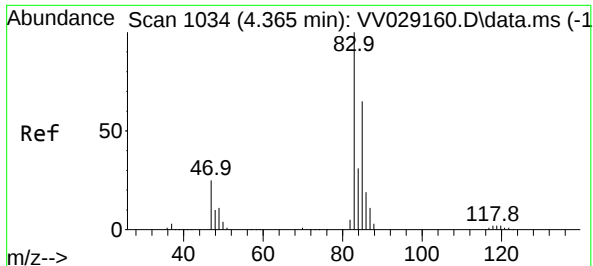
Tgt Ion: 96 Resp: 116403
 Ion Ratio Lower Upper
 96 100
 61 112.6 82.3 152.9
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.799 ug/L
 RT: 4.246 min Scan# 997
 Delta R.T. 0.003 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

Tgt Ion: 128 Resp: 49499
 Ion Ratio Lower Upper
 128 100
 49 140.8 89.5 166.1
 130 123.6 84.4 156.8
 51 46.9 34.1 51.1





#25

Chloroform

Concen: 4.636 ug/L

RT: 4.375 min Scan# 1034

Delta R.T. 0.009 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

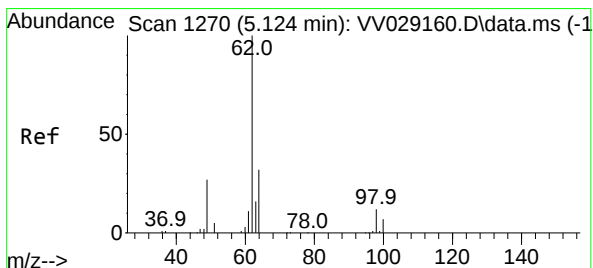
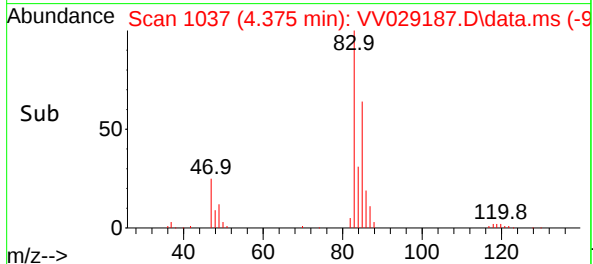
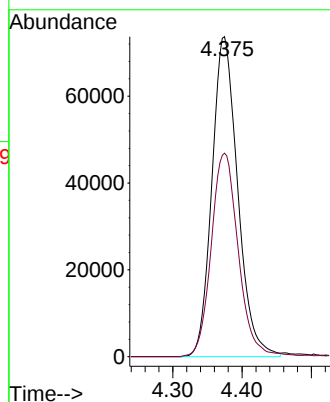
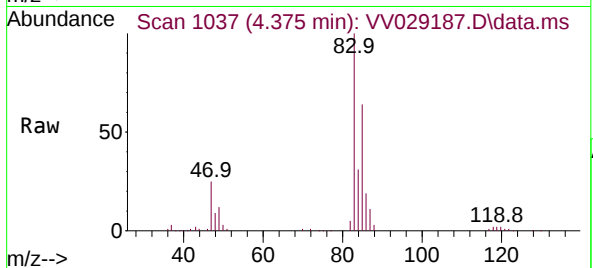
VSTD005359

Tgt Ion: 83 Resp: 190586

Ion Ratio Lower Upper

83 100

85 63.6 43.7 81.1



#27

1,2-Dichloroethane

Concen: 4.760 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VV029187.D

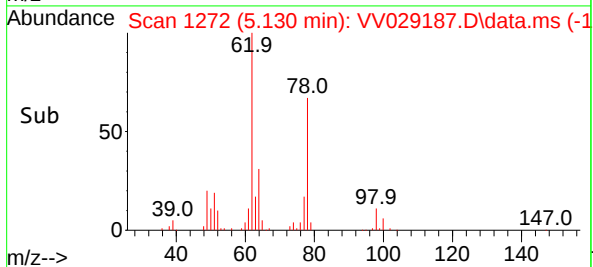
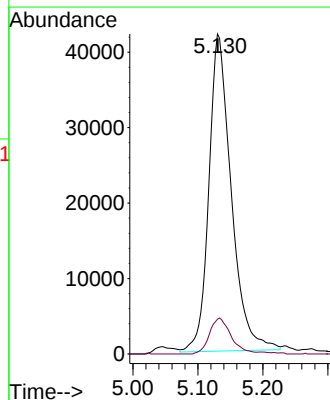
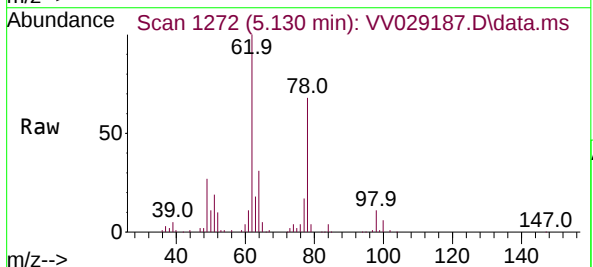
Acq: 19 Nov 2022 21:41

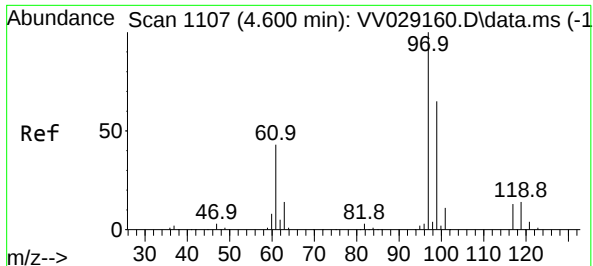
Tgt Ion: 62 Resp: 100786

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 4.581 ug/L

RT: 4.606 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

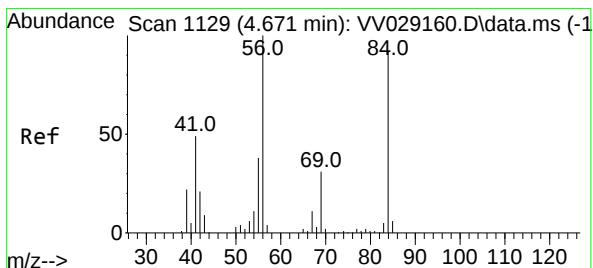
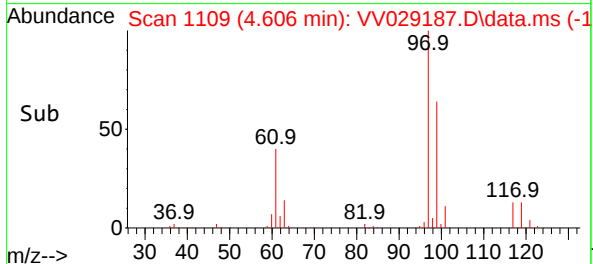
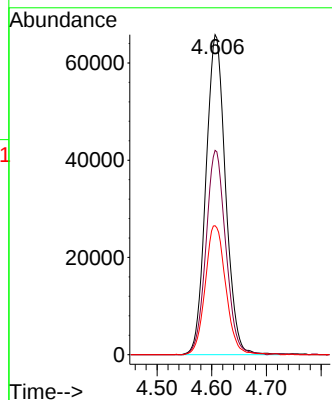
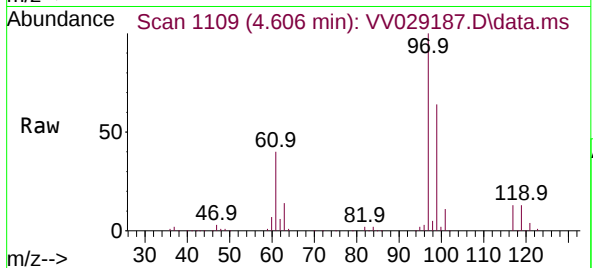
Tgt Ion: 97 Resp: 163909

Ion Ratio Lower Upper

97 100

99 64.4 52.7 79.1

61 42.0 33.8 50.6



#30

Cyclohexane

Concen: 4.689 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

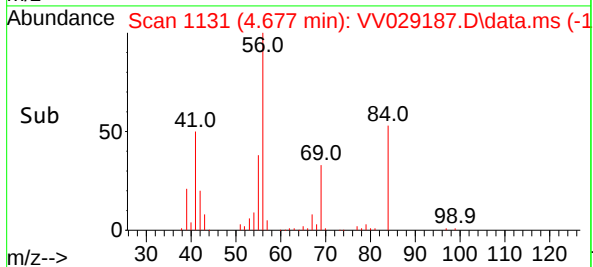
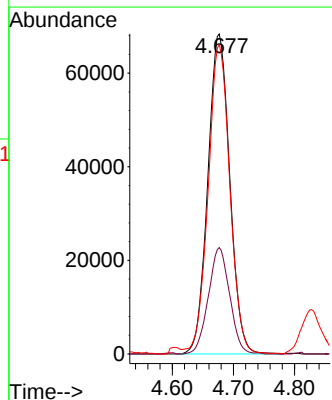
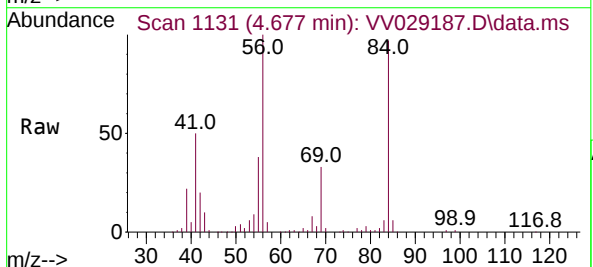
Tgt Ion: 56 Resp: 170514

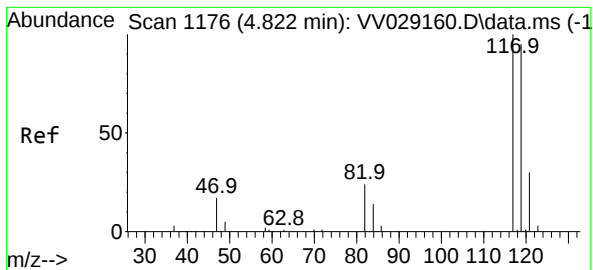
Ion Ratio Lower Upper

56 100

69 32.2 26.1 39.1

84 95.3 77.9 116.9





#31

Carbon tetrachloride

Concen: 4.449 ug/L

RT: 4.828 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

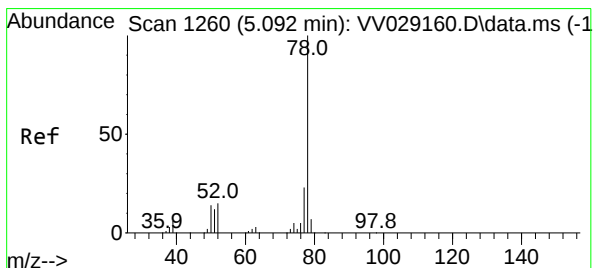
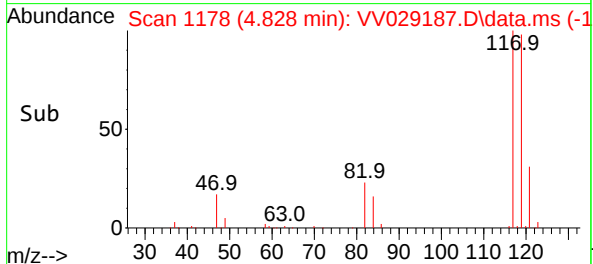
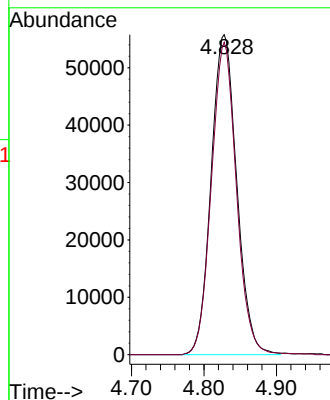
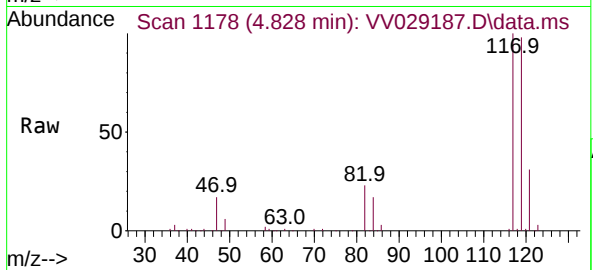
VSTD005359

Tgt Ion:117 Resp: 137059

Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.6



#33

Benzene

Concen: 4.785 ug/L

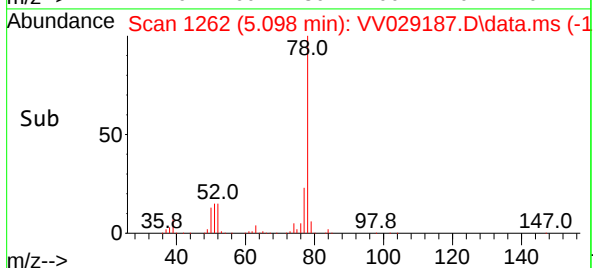
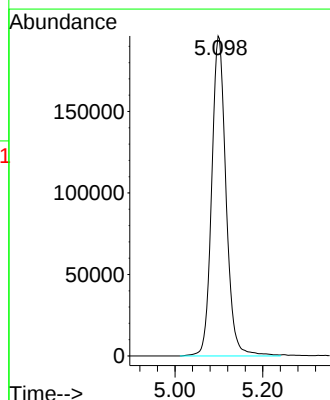
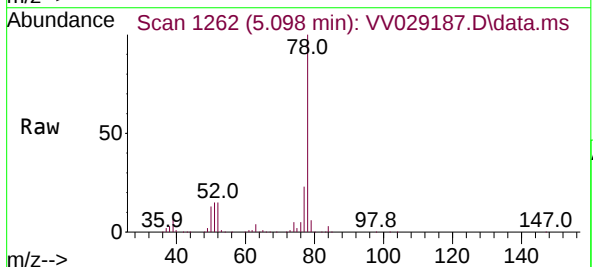
RT: 5.098 min Scan# 1262

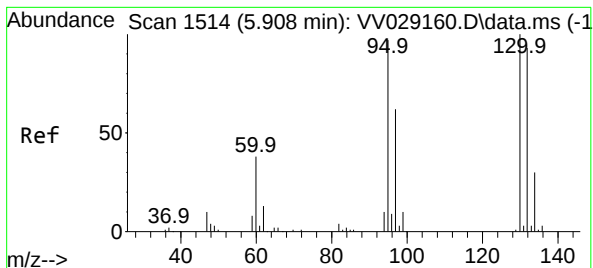
Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Tgt Ion: 78 Resp: 445831





#34

Trichloroethene

Concen: 4.755 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

Tgt Ion: 95 Resp: 113416

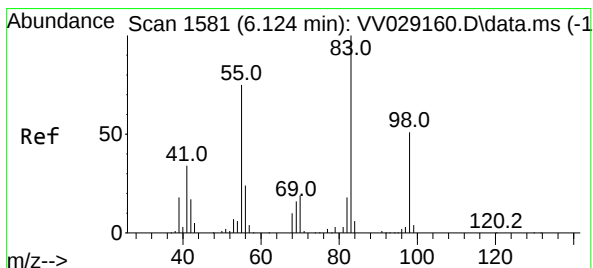
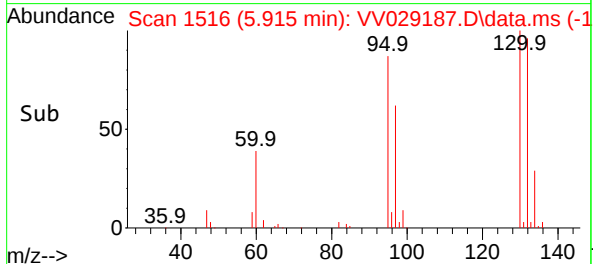
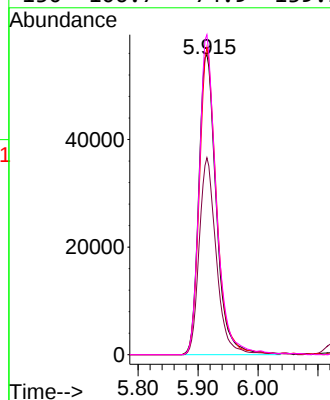
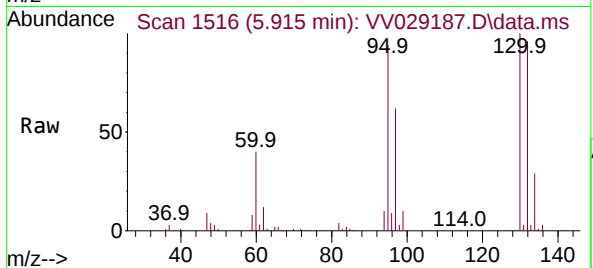
Ion Ratio Lower Upper

95 100

97 65.7 45.6 84.8

132 102.5 69.1 128.3

130 106.7 74.9 139.1



#35

Methylcyclohexane

Concen: 4.460 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

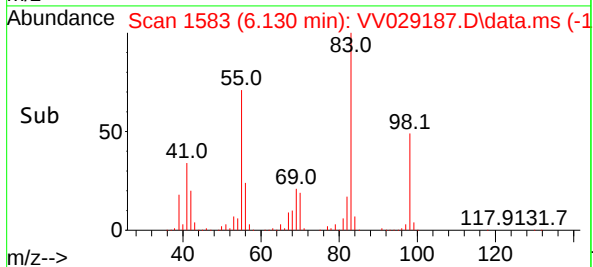
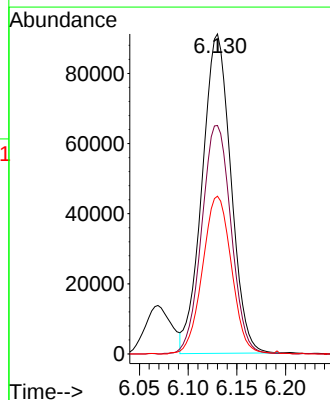
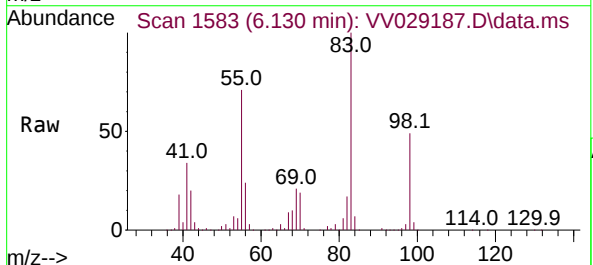
Tgt Ion: 83 Resp: 186969

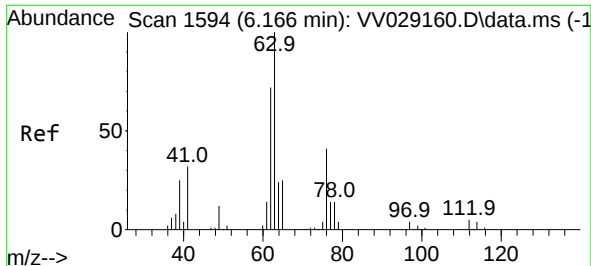
Ion Ratio Lower Upper

83 100

55 73.2 55.8 83.6

98 49.7 38.2 57.2





#37

1,2-Dichloropropane

Concen: 4.844 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

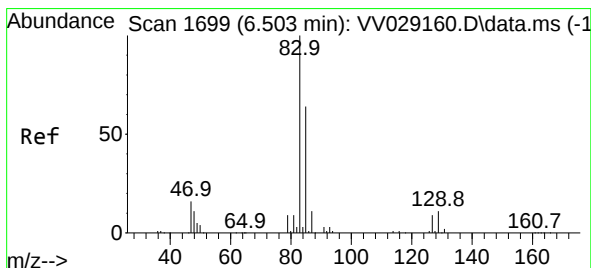
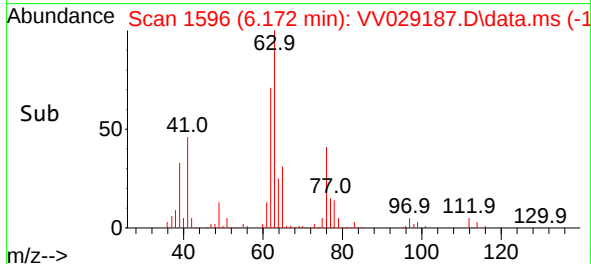
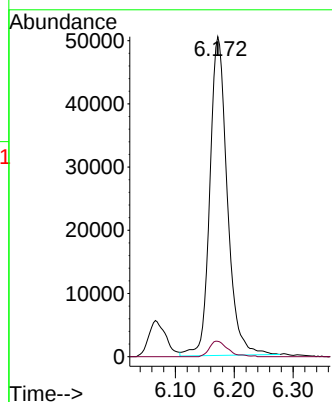
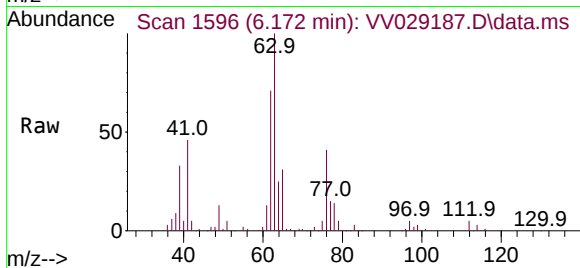
VSTD005359

Tgt Ion: 63 Resp: 104076

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



#38

Bromodichloromethane

Concen: 4.486 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

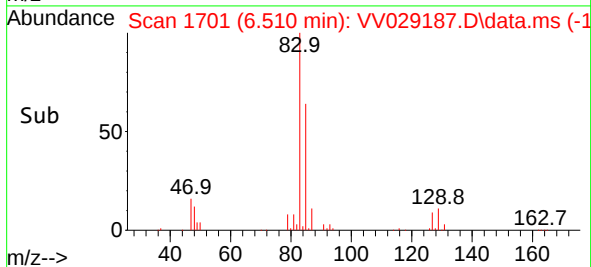
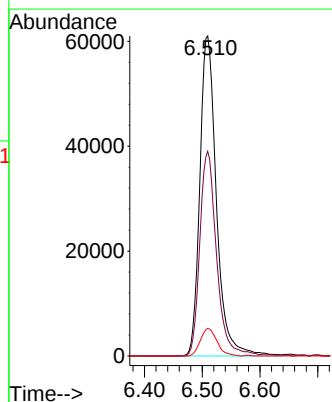
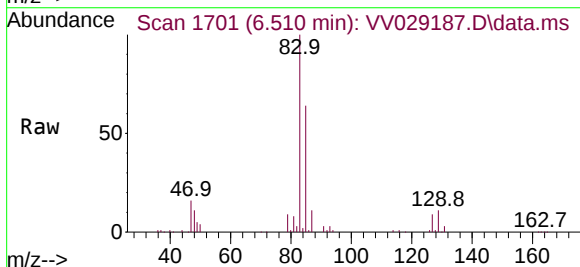
Tgt Ion: 83 Resp: 122066

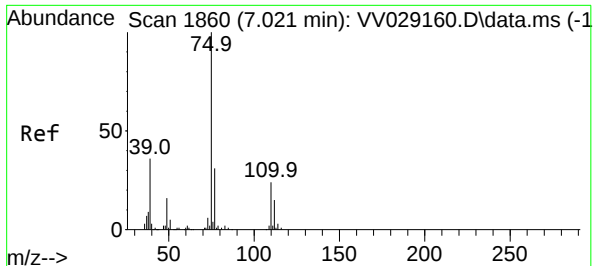
Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.5

127 8.6 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.543 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

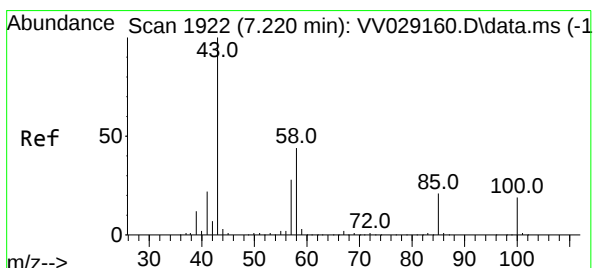
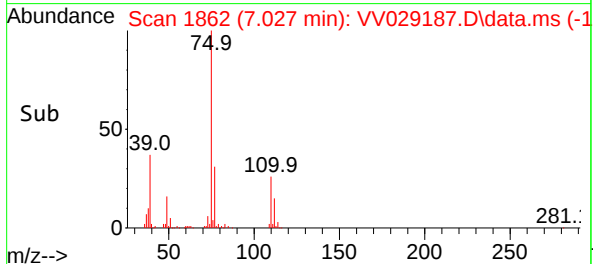
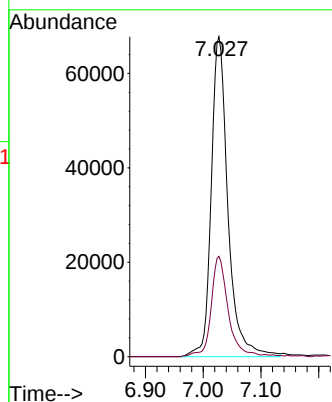
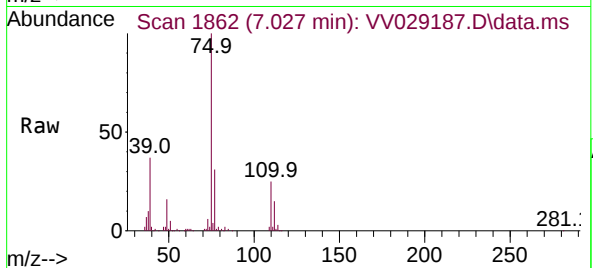
VSTD005359

Tgt Ion: 75 Resp: 136273

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 53.623 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.006 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

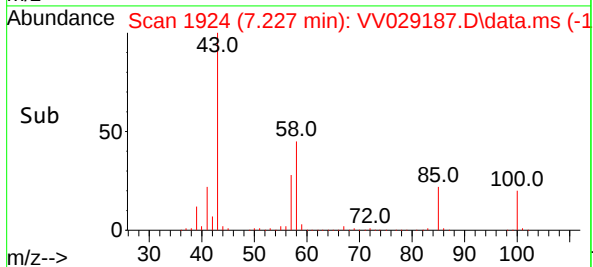
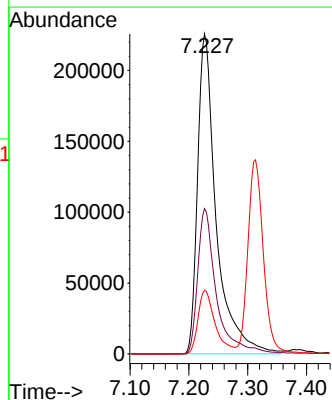
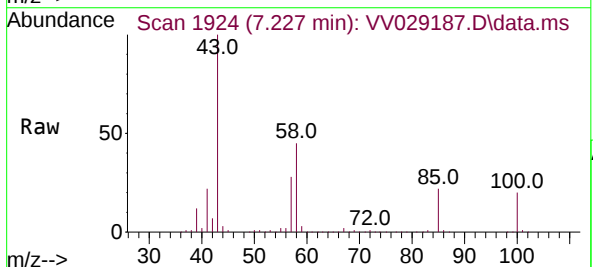
Tgt Ion: 43 Resp: 495688

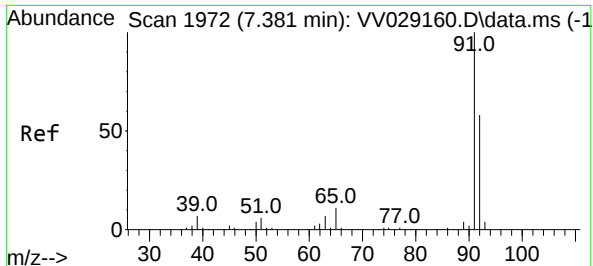
Ion Ratio Lower Upper

43 100

58 45.5 36.6 55.0

100 18.4 14.5 21.7





#42

Toluene

Concen: 4.801 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

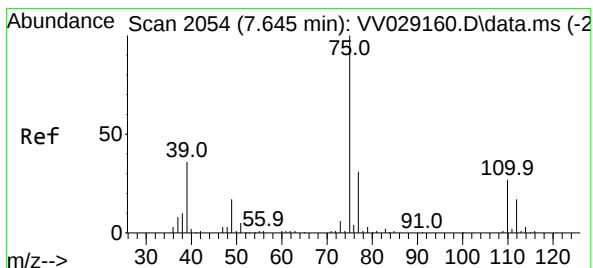
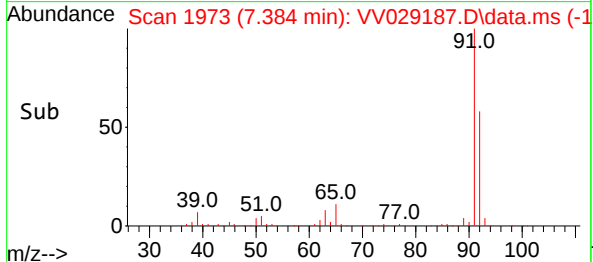
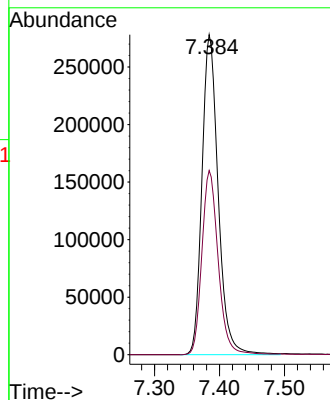
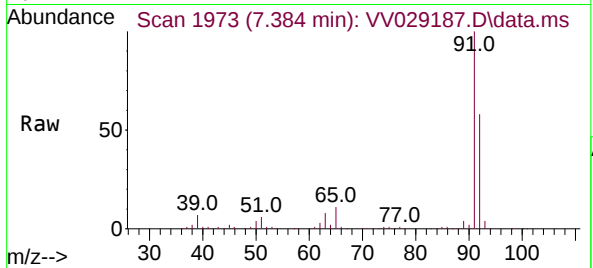
VSTD005359

Tgt Ion: 91 Resp: 483212

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.508 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.006 min

Lab File: VV029187.D

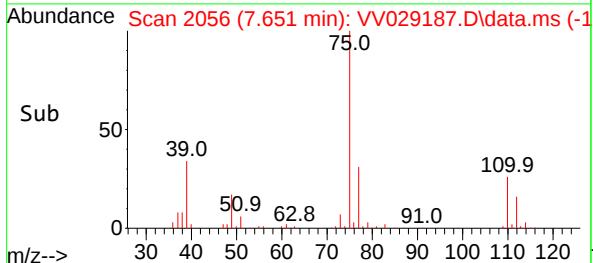
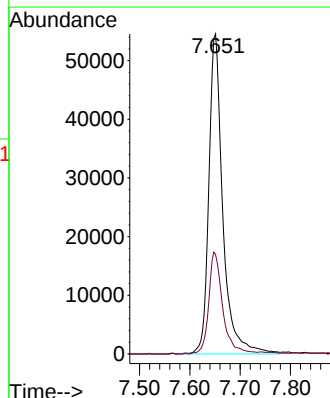
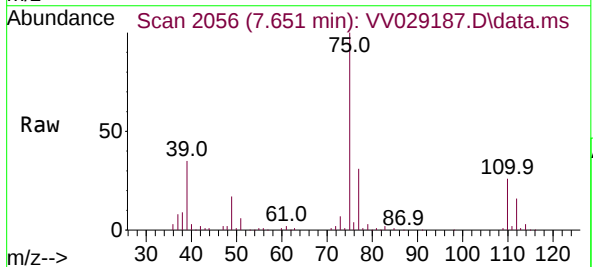
Acq: 19 Nov 2022 21:41

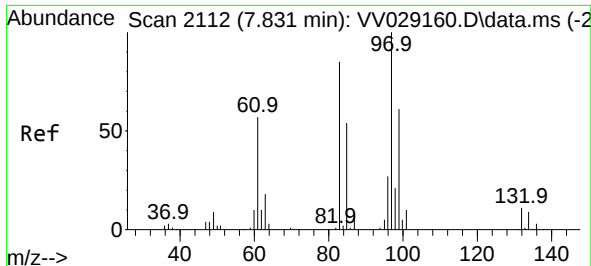
Tgt Ion: 75 Resp: 104970

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2

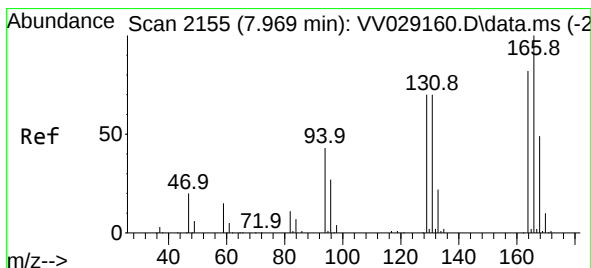
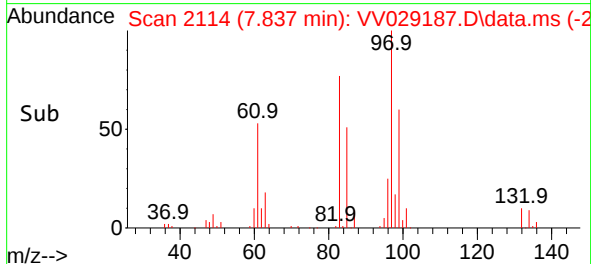
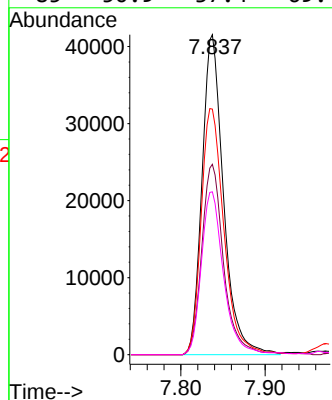
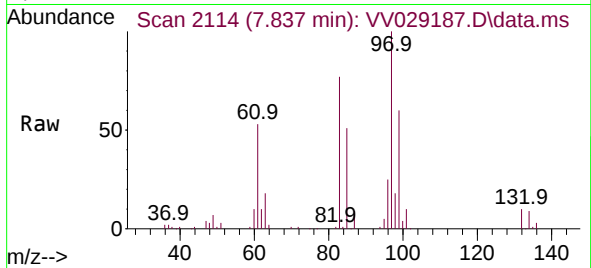




#45
1,1,2-Trichloroethane
Concen: 5.249 ug/L
RT: 7.837 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

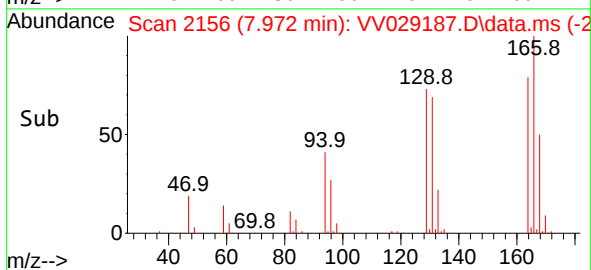
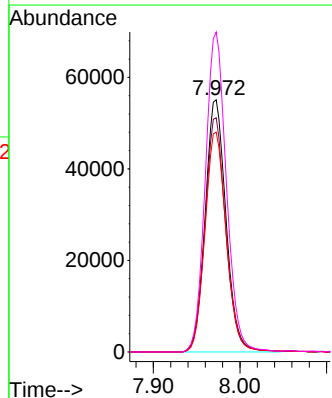
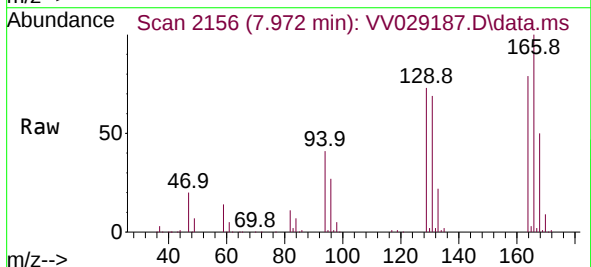
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

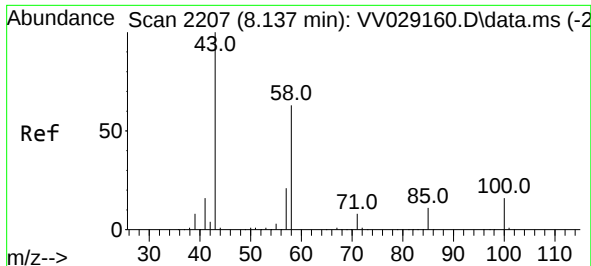
Tgt Ion:	97	Resp:	73819
Ion	Ratio	Lower	Upper
97	100		
99	59.5	41.5	77.1
83	76.8	60.0	111.4
85	50.9	37.4	69.4



#47
Tetrachloroethene
Concen: 4.837 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion:	164	Resp:	92388
Ion	Ratio	Lower	Upper
164	100		
129	92.9	63.9	118.7
131	87.2	61.8	114.8
166	126.9	90.2	167.4

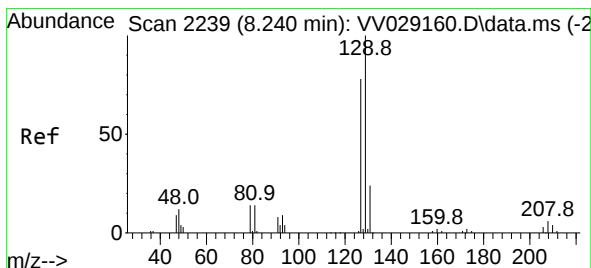
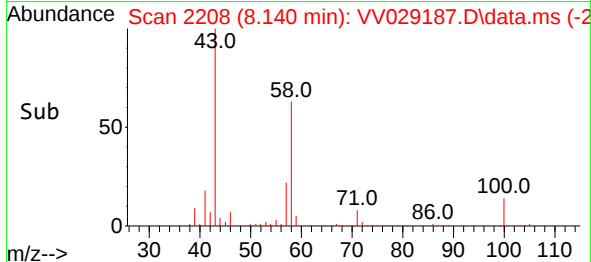
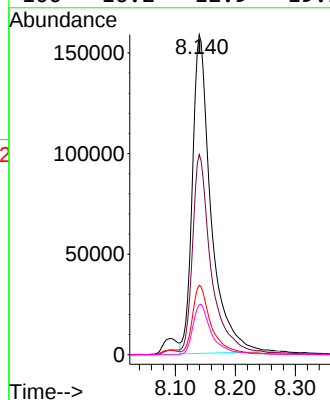
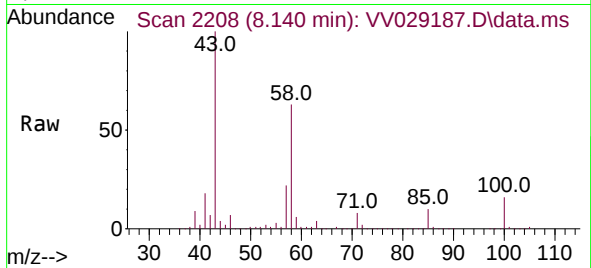




#48
2-Hexanone
Concen: 53.005 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

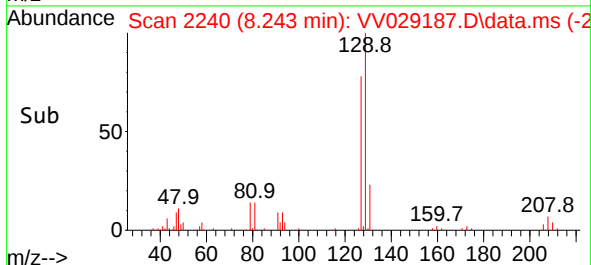
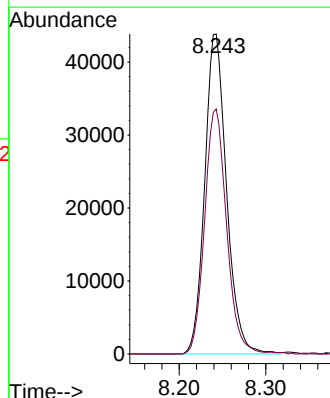
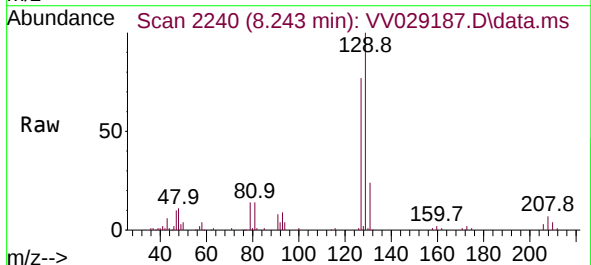
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

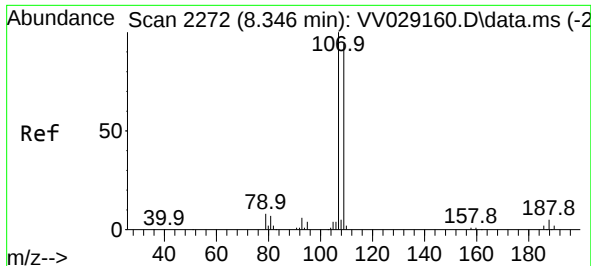
Tgt Ion:	43	Resp:	343217
Ion	Ratio	Lower	Upper
43	100		
58	64.0	50.2	75.4
57	20.9	17.8	26.8
100	16.2	12.9	19.3



#49
Dibromochloromethane
Concen: 4.512 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion:	129	Resp:	76723
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.5	101.1





#50

1,2-Dibromoethane

Concen: 5.060 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

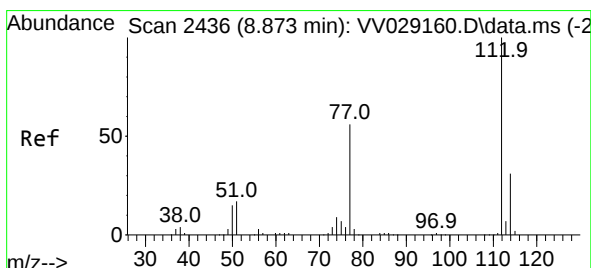
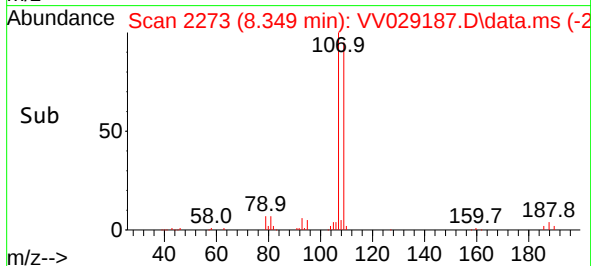
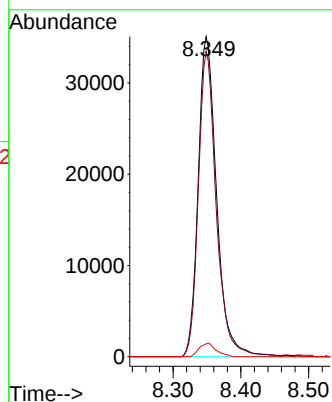
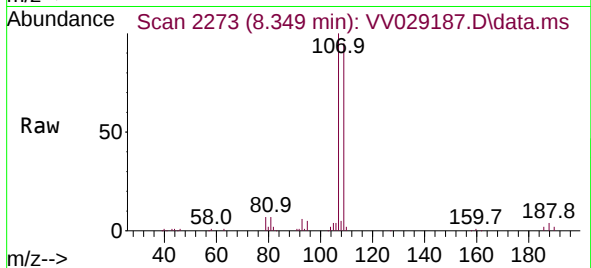
Tgt Ion:107 Resp: 66118

Ion Ratio Lower Upper

107 100

109 95.4 64.4 119.6

188 4.0 2.9 4.3



#51

Chlorobenzene

Concen: 4.943 ug/L

RT: 8.876 min Scan# 2437

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

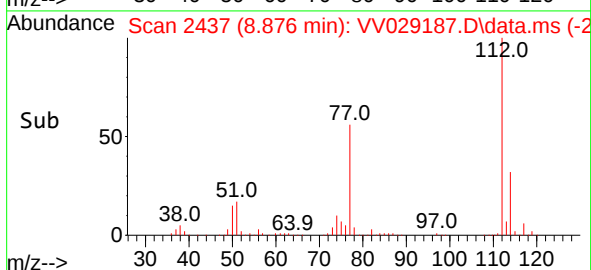
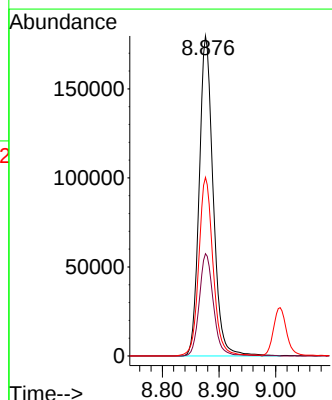
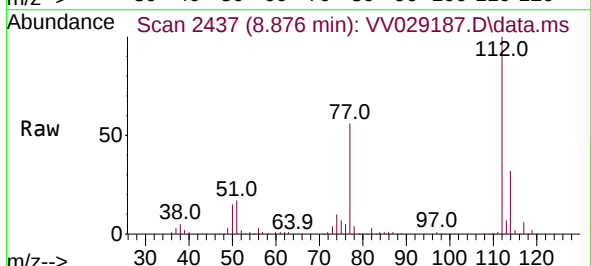
Tgt Ion:112 Resp: 307605

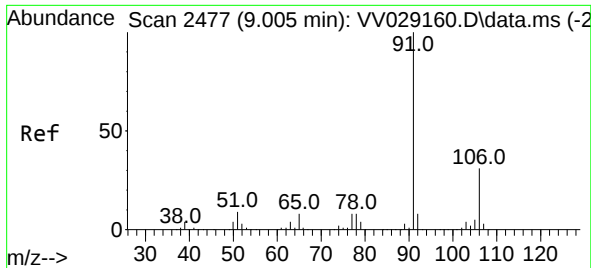
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 55.8 44.4 66.6

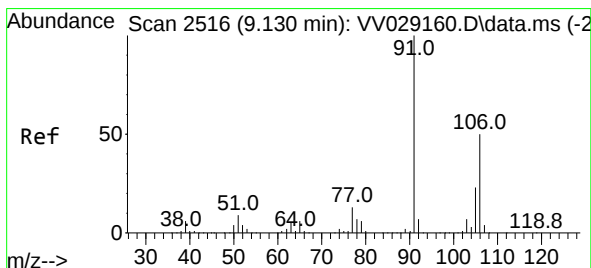
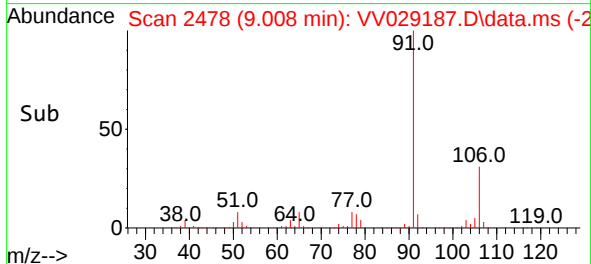
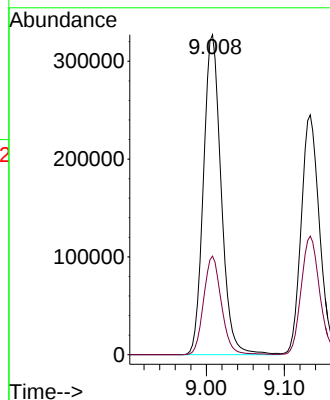
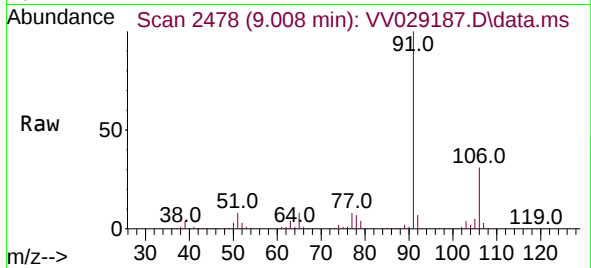




#52
Ethylbenzene
Concen: 4.930 ug/L
RT: 9.008 min Scan# 2477
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

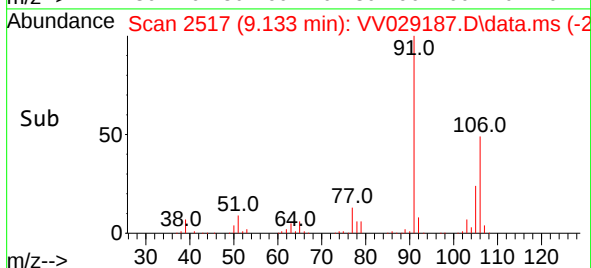
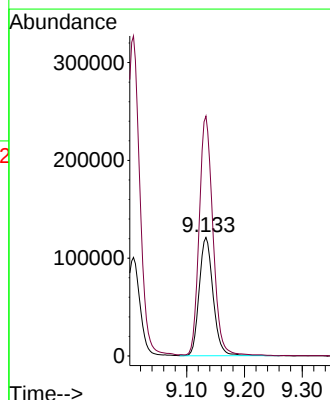
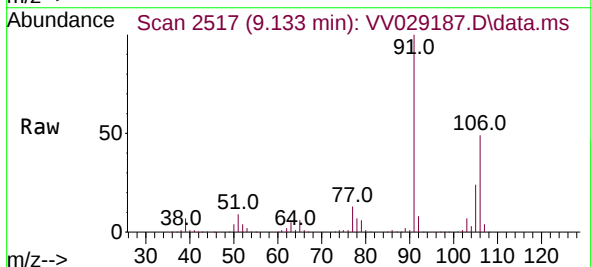
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

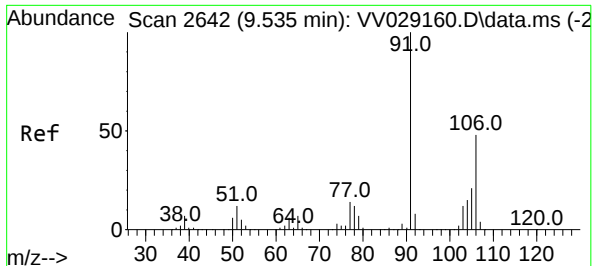
Tgt Ion: 91 Resp: 516571
Ion Ratio Lower Upper
91 100
106 30.8 21.6 40.2



#53
m,p-Xylene
Concen: 4.853 ug/L
RT: 9.133 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion: 106 Resp: 202270
Ion Ratio Lower Upper
106 100
91 202.1 139.1 258.3

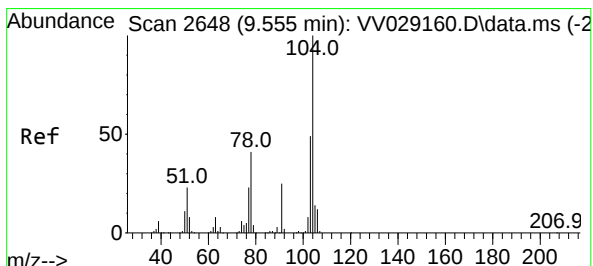
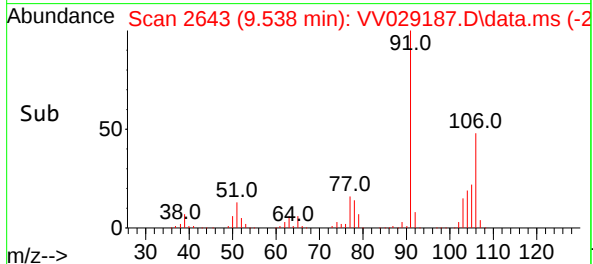
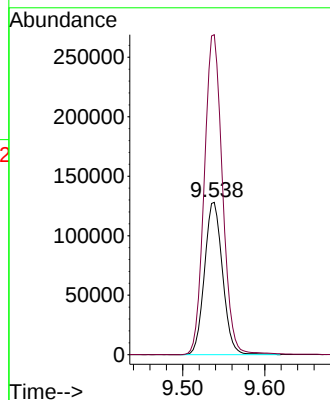
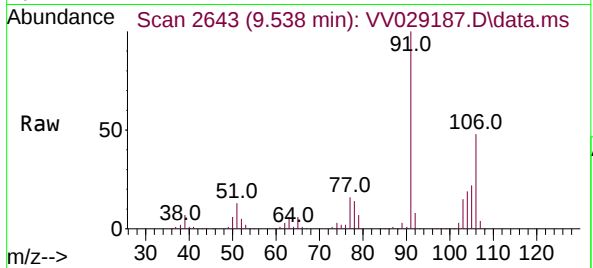




#54
o-Xylene
Concen: 4.952 ug/L
RT: 9.538 min Scan# 2643
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

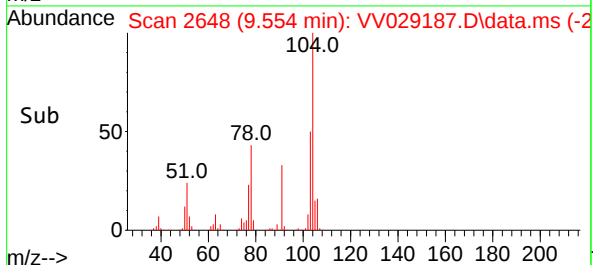
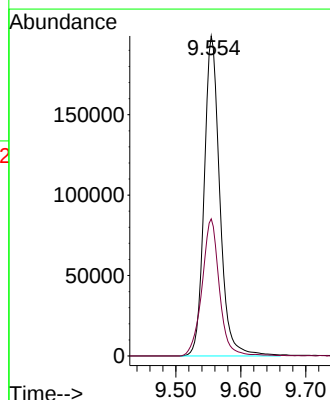
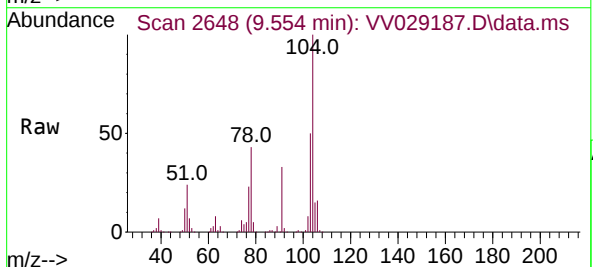
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

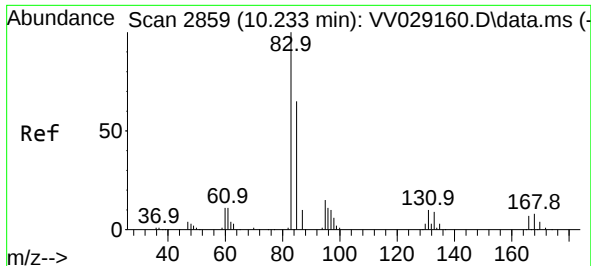
Tgt Ion:106 Resp: 196173
Ion Ratio Lower Upper
106 100
91 210.0 145.7 270.7



#55
Styrene
Concen: 5.031 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion:104 Resp: 334319
Ion Ratio Lower Upper
104 100
78 42.8 30.1 55.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.163 ug/L

RT: 10.236 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD005359

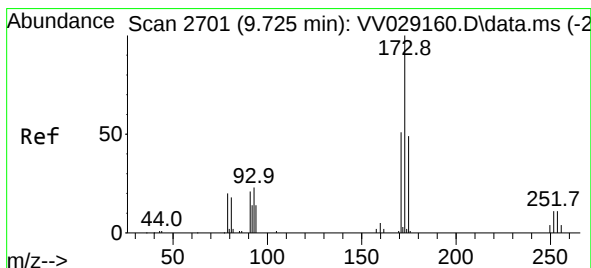
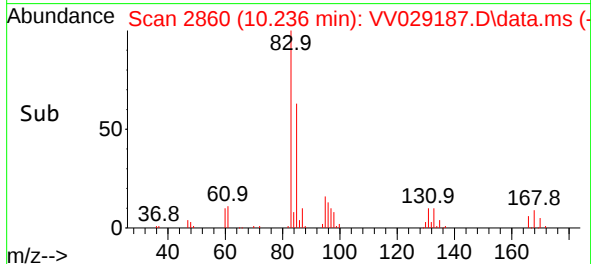
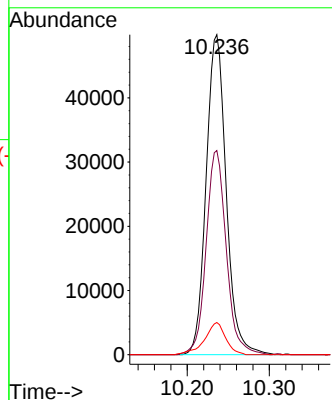
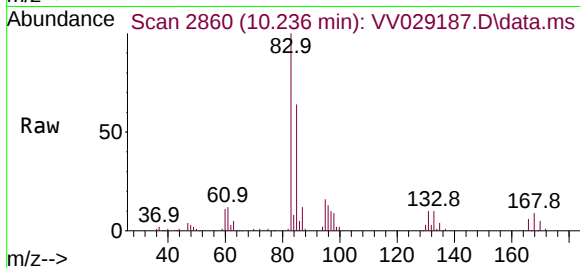
Tgt Ion: 83 Resp: 84636

Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

131 10.1 7.5 11.3



#59

Bromoform

Concen: 4.265 ug/L

RT: 9.728 min Scan# 2702

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

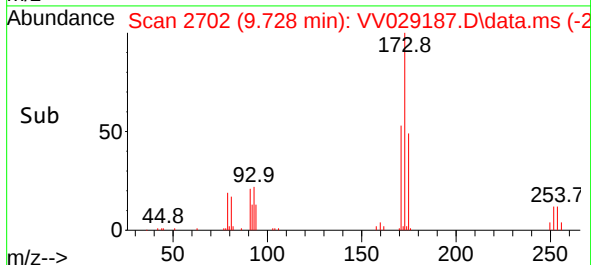
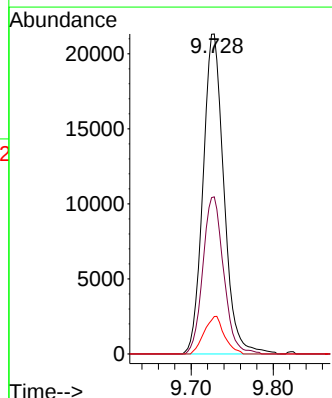
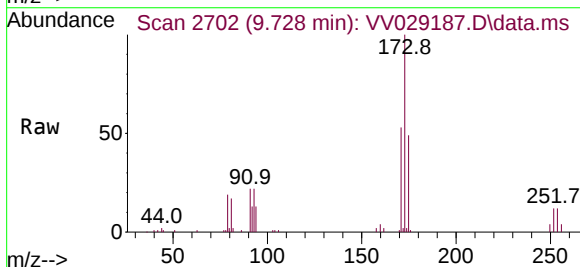
Tgt Ion: 173 Resp: 37646

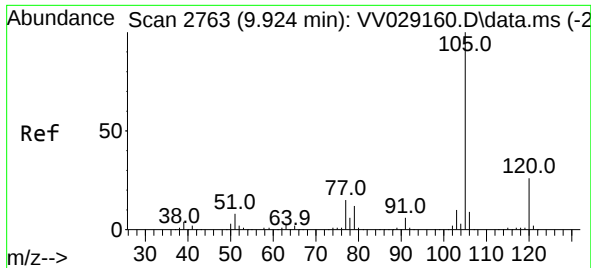
Ion Ratio Lower Upper

173 100

175 48.9 38.2 57.4

254 11.3 8.5 12.7

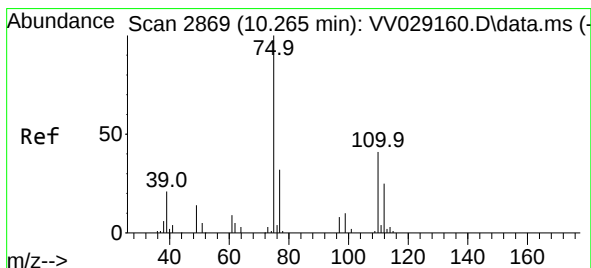
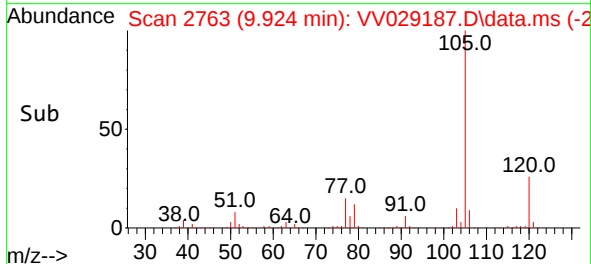
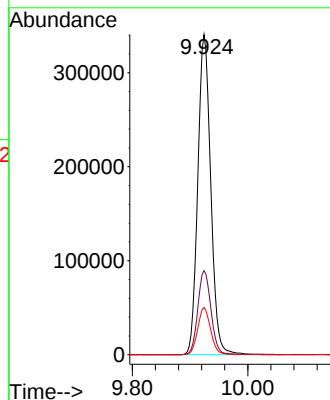
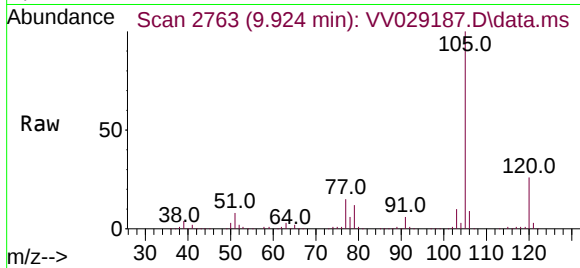




#60
Isopropylbenzene
Concen: 5.036 ug/L
RT: 9.924 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

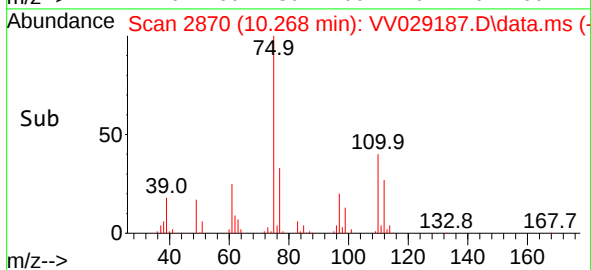
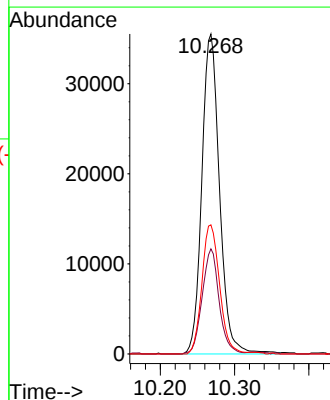
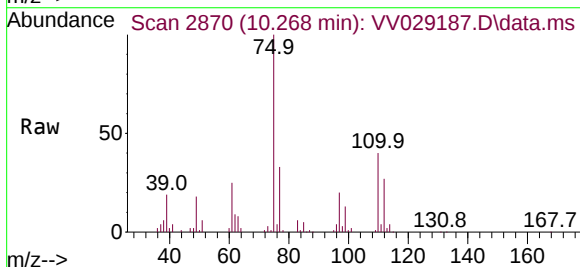
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

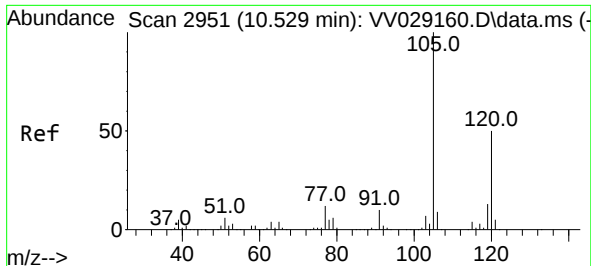
Tgt Ion:105 Resp: 529264
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9
77 14.7 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.322 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.003 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion: 75 Resp: 58883
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
110 40.4 32.6 48.8





#62

1,3,5-Trimethylbenzene

Concen: 4.987 ug/L

RT: 10.532 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VV029187.D

Acq: 19 Nov 2022 21:41

Instrument :

MSVOA_V

ClientSampleId :

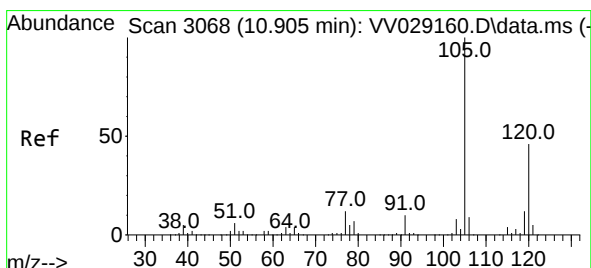
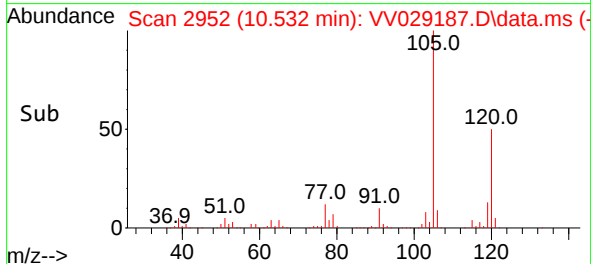
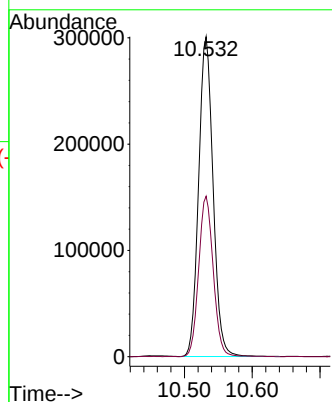
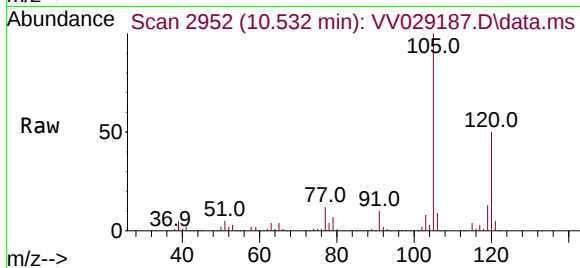
VSTD005359

Tgt Ion:105 Resp: 443996

Ion Ratio Lower Upper

105 100

120 50.7 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 5.035 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. -0.000 min

Lab File: VV029187.D

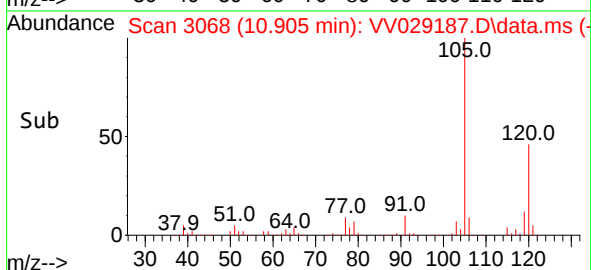
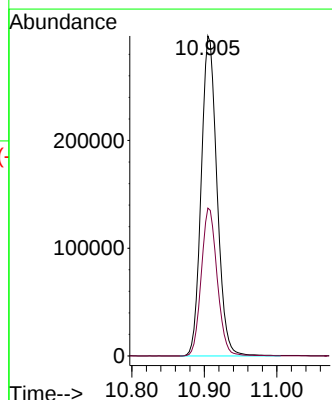
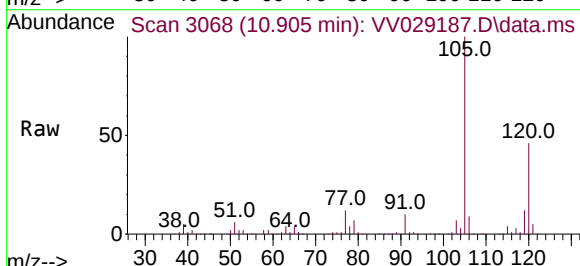
Acq: 19 Nov 2022 21:41

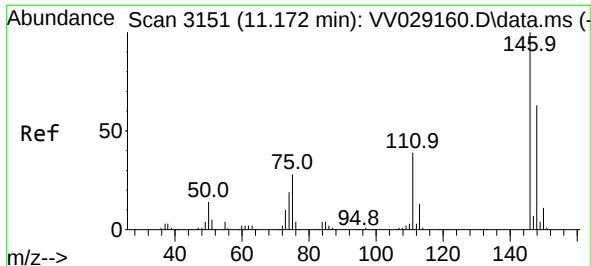
Tgt Ion:105 Resp: 449052

Ion Ratio Lower Upper

105 100

120 46.6 37.8 56.8

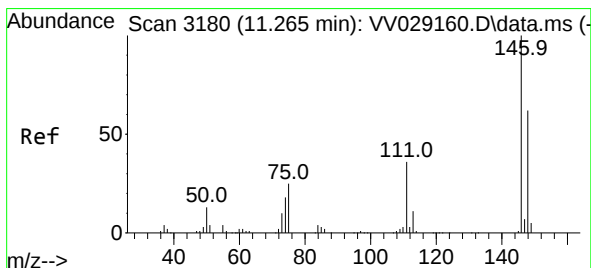
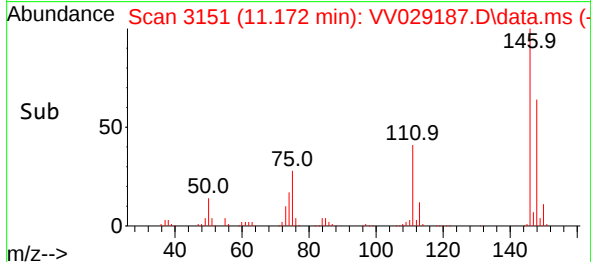
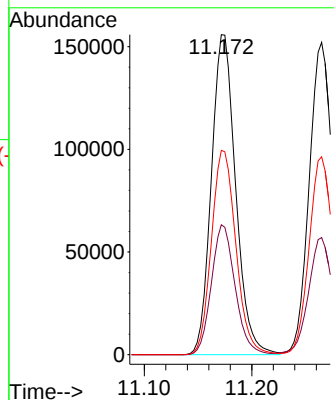
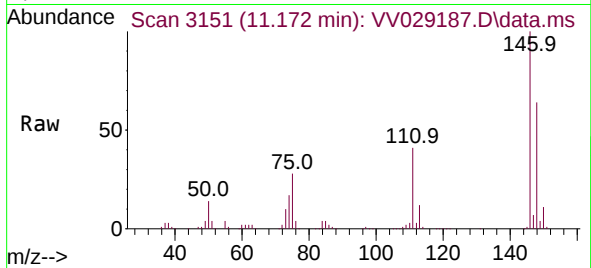




#64
1,3-Dichlorobenzene
Concen: 4.953 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

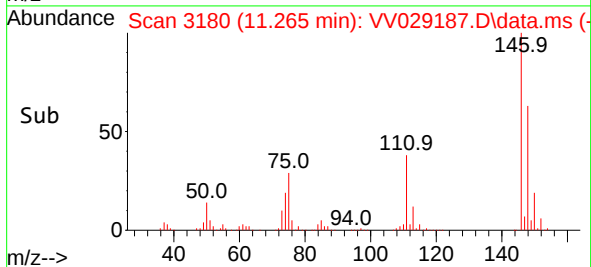
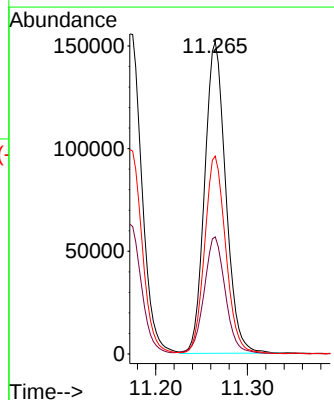
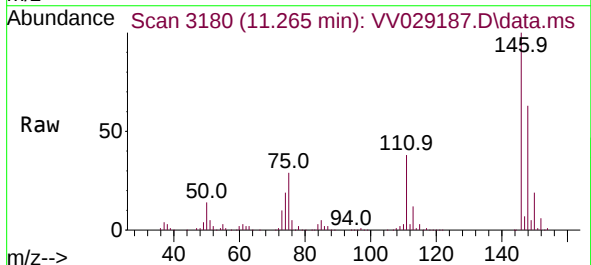
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

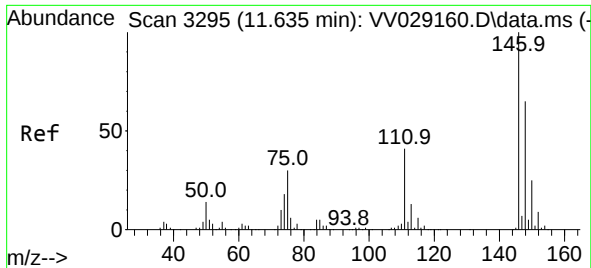
Tgt Ion:146 Resp: 244588
Ion Ratio Lower Upper
146 100
111 40.6 26.9 50.1
148 63.9 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 4.887 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion:146 Resp: 242597
Ion Ratio Lower Upper
146 100
111 37.5 26.5 49.3
148 63.4 44.5 82.7

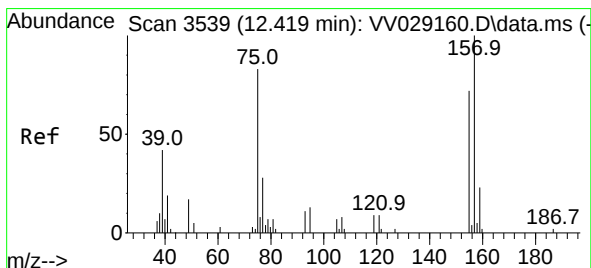
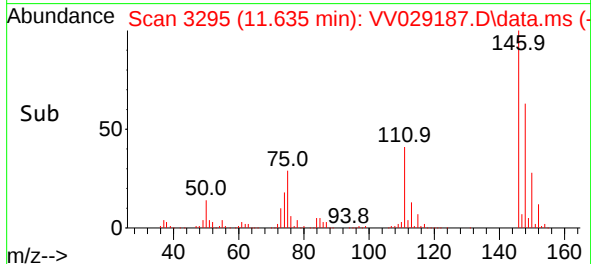
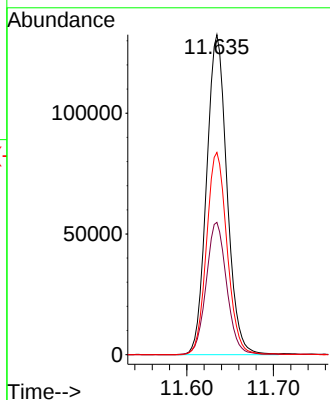
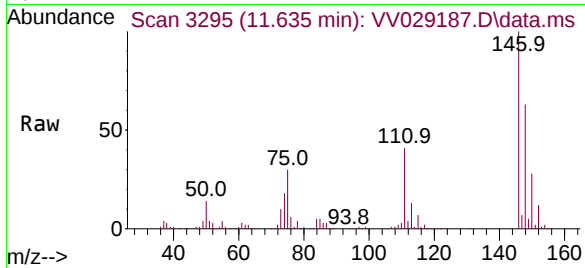




#67
1,2-Dichlorobenzene
Concen: 4.893 ug/L
RT: 11.635 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

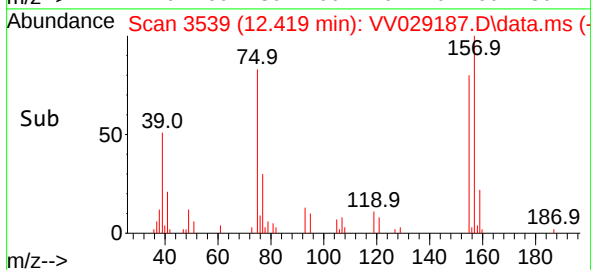
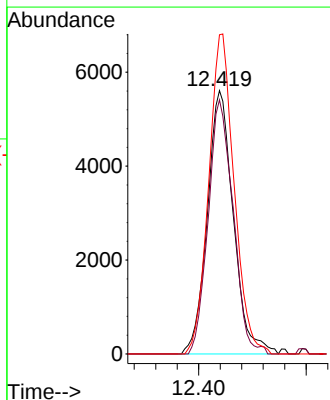
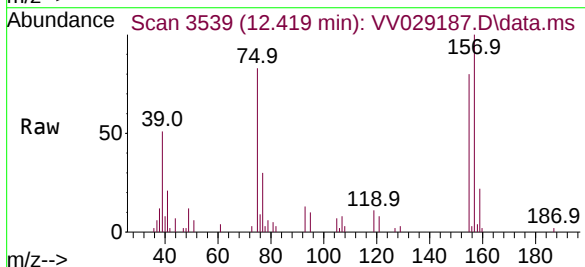
Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

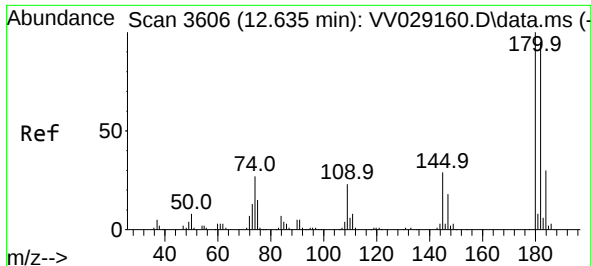
Tgt Ion:146 Resp: 217063
Ion Ratio Lower Upper
146 100
111 41.4 32.4 48.6
148 63.2 49.4 74.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.334 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

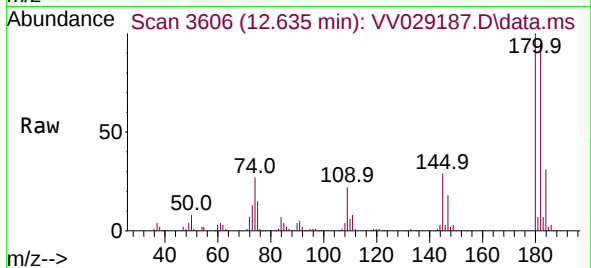
Tgt Ion: 75 Resp: 9435
Ion Ratio Lower Upper
75 100
155 96.5 64.8 97.2
157 121.2 86.3 129.5



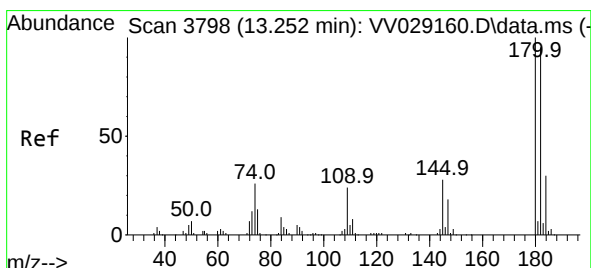
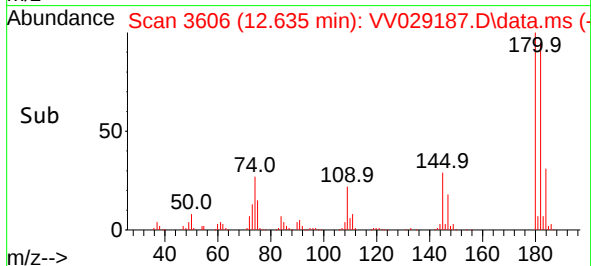
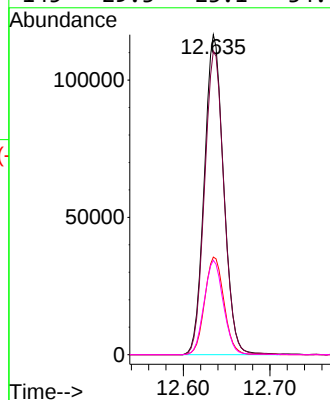


#69
 1,3,5-Trichlorobenzene
 Concen: 4.726 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. -0.000 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005359

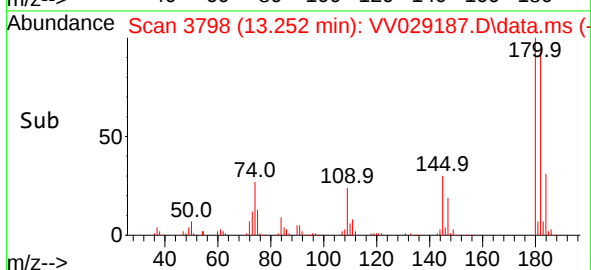
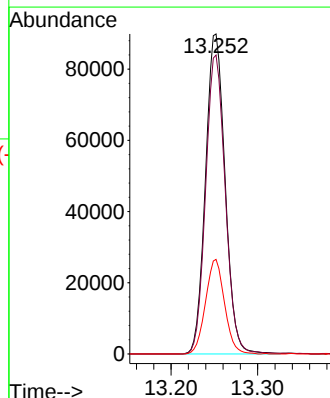
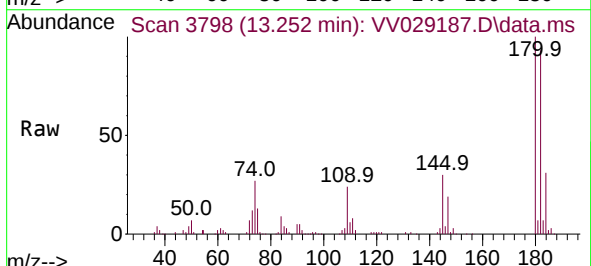


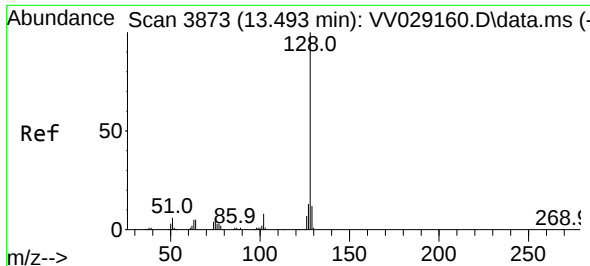
Tgt Ion:	180	Resp:	180042
Ion Ratio	Lower	Upper	
180	100		
182	95.2	76.7	115.1
184	30.4	24.0	36.0
145	29.3	23.1	34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.910 ug/L
 RT: 13.252 min Scan# 3798
 Delta R.T. -0.000 min
 Lab File: VV029187.D
 Acq: 19 Nov 2022 21:41

Tgt Ion:	180	Resp:	141492
Ion Ratio	Lower	Upper	
180	100		
182	93.4	74.3	111.5
145	28.6	23.7	35.5

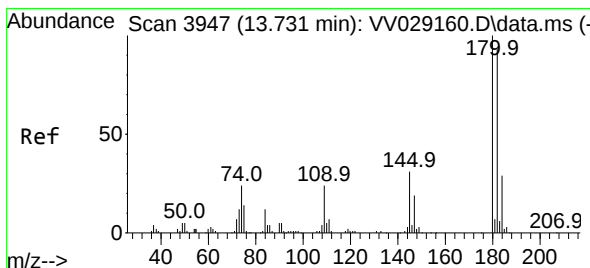
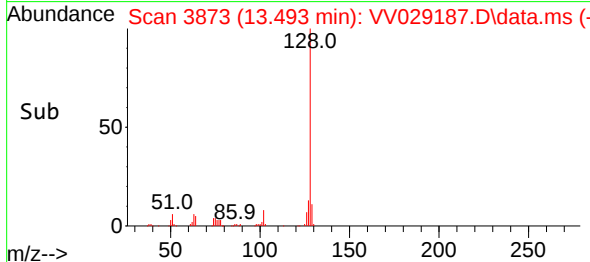
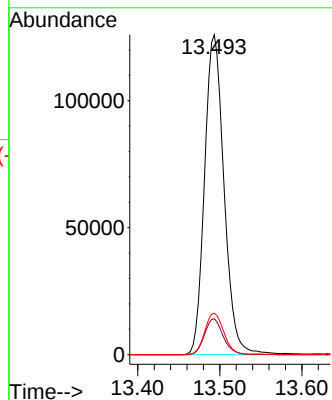
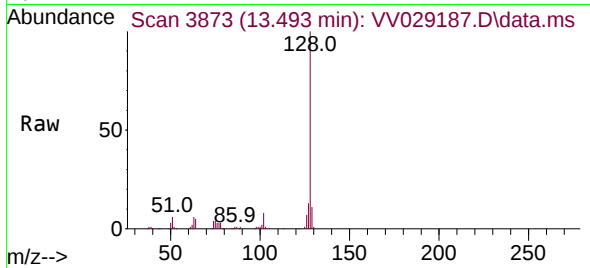




#71
Naphthalene
Concen: 5.593 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD005359

Tgt Ion:	128	Resp:	207927
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	12.8	9.8	14.8



#72
1,2,3-Trichlorobenzene
Concen: 5.078 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. -0.000 min
Lab File: VV029187.D
Acq: 19 Nov 2022 21:41

Tgt Ion:	180	Resp:	123933
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.4	113.2
145	31.2	24.9	37.3

