

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
 Data File : VU052551.D
 Acq On : 23 Dec 2022 20:39
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005117

Quant Time: Dec 24 03:59:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	179575	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	176280	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	92576	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	66900	3.677	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.600%
7) Chloroethane-d5	1.916	69	67165	4.281	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.568	65	31802	4.062	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.200%
20) 2-Butanone-d5	4.645	46	342009	60.622	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.240%
24) Chloroform-d	5.060	84	151220	4.927	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.697	65	89283	5.015	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.723	84	295933	4.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
36) 1,2-Dichloropropane-d6	6.687	67	104049	5.001	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.893	98	258104	5.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	8.176	79	38756	5.440	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.800%
46) 2-Hexanone-d5	8.632	63	254751	65.361	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.720%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	98023	5.549	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.000%
66) 1,2-Dichlorobenzene-d4	12.188	152	95307	5.057	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67200	4.205	ug/L	99
3) Chloromethane	1.523	50	113410	4.917	ug/L	98
5) Vinyl chloride	1.607	62	95556	4.570	ug/L	95
6) Bromomethane	1.861	94	38205	3.205	ug/L	99
8) Chloroethane	1.935	64	63821	4.457	ug/L	98
9) Trichlorofluoromethane	2.141	101	103551	4.381	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	59530	4.237	ug/L	99
12) 1,1-Dichloroethene	2.581	96	62090	4.617	ug/L	99
13) Acetone	2.668	43	81484	19.592	ug/L #	16
14) Carbon disulfide	2.793	76	199963	4.614	ug/L	100
15) Methyl Acetate	2.964	43	50465	5.508	ug/L	99
16) Methylene chloride	3.044	84	88659	4.667	ug/L	99
17) Methyl tert-butyl Ether	3.362	73	188349	5.246	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	67896	4.899	ug/L	97
19) 1,1-Dichloroethane	3.867	63	150929	5.007	ug/L	98
21) 2-Butanone	4.723	43	338696	55.296	ug/L	95
22) cis-1,2-Dichloroethene	4.661	96	78094	5.134	ug/L	96
23) Bromochloromethane	4.973	128	37931	5.381	ug/L	98
25) Chloroform	5.086	83	143789	4.923	ug/L	100

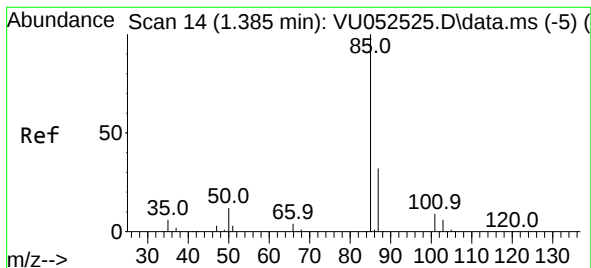
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122322\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Dec 24 03:53:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	105145	5.211	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	108002	4.868	ug/L	99
30) Cyclohexane	5.385	56	106831	4.456	ug/L	99
31) Carbon tetrachloride	5.520	117	89768	4.604	ug/L	100
33) Benzene	5.771	78	317364	4.998	ug/L	100
34) Trichloroethene	6.539	95	77373	5.213	ug/L	98
35) Methylcyclohexane	6.761	83	97561	4.359	ug/L	97
37) 1,2-Dichloropropane	6.787	63	92081	5.197	ug/L	100
38) Bromodichloromethane	7.102	83	107839	5.001	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	113365	5.052	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	762501	58.892	ug/L	99
42) Toluene	7.964	91	317739	5.219	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	108103	5.467	ug/L	96
45) 1,1,2-Trichloroethane	8.394	97	65802	5.244	ug/L	99
47) Tetrachloroethene	8.549	164	52809	5.097	ug/L	99
48) 2-Hexanone	8.684	43	579778	59.406	ug/L	100
49) Dibromochloromethane	8.806	129	72807	5.479	ug/L	96
50) 1,2-Dibromoethane	8.919	107	61515	5.393	ug/L	99
51) Chlorobenzene	9.443	112	196855	5.064	ug/L	99
52) Ethylbenzene	9.565	91	316488	5.023	ug/L	100
53) m,p-Xylene	9.690	106	121915	5.248	ug/L	98
54) o-Xylene	10.095	106	118640	5.327	ug/L	97
55) Styrene	10.108	104	215150	5.553	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	93306	5.379	ug/L	98
59) Bromoform	10.285	173	42587	5.236	ug/L	98
60) Isopropylbenzene	10.478	105	300824	5.014	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	66759	5.028	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	242449	4.899	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	252505	5.069	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	150862	5.068	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	151963	4.936	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	145306	4.940	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	16741	5.570	ug/L	83
69) 1,3,5-Trichlorobenzene	13.214	180	102600	4.680	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	89189	4.835	ug/L	98
71) Naphthalene	14.082	128	181057	4.851	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	88498	4.786	ug/L	99

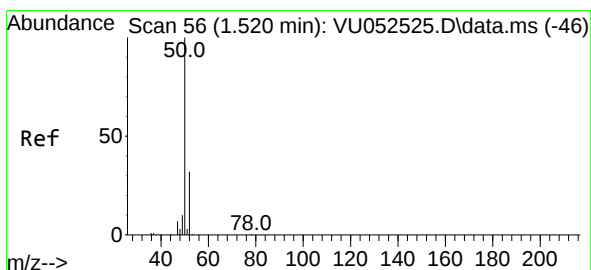
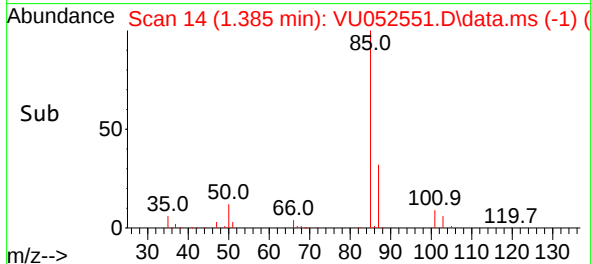
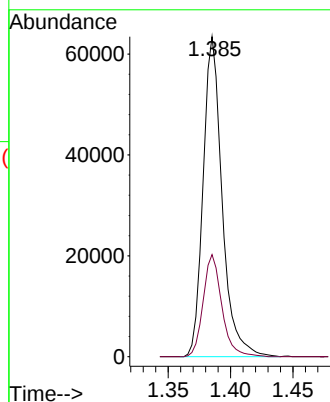
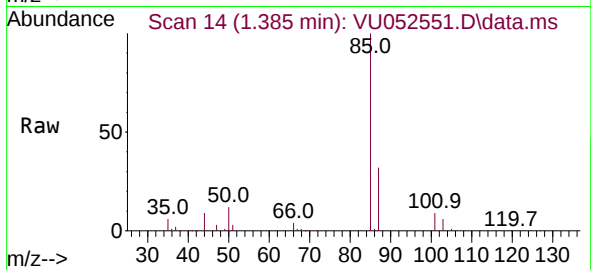
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.205 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

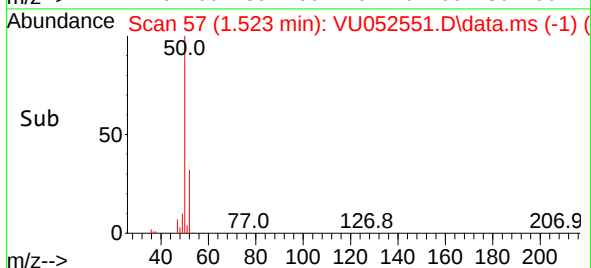
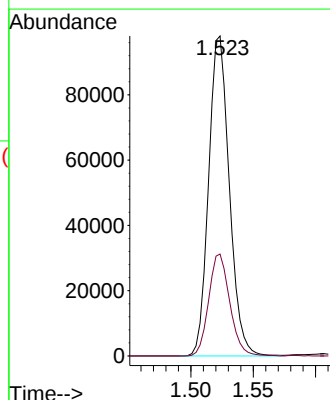
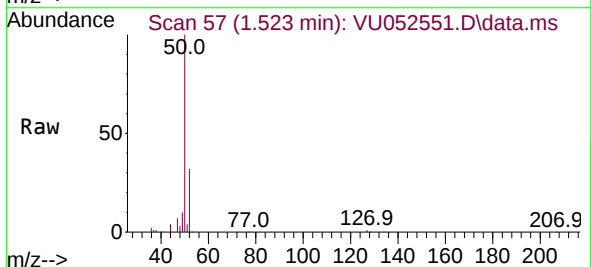
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

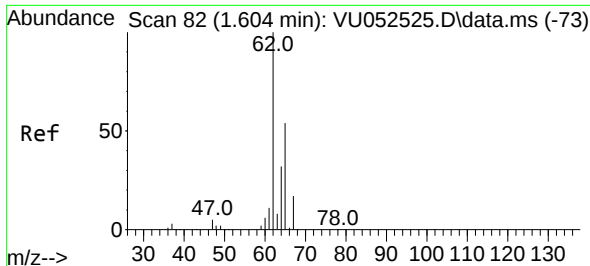
Tgt Ion: 85 Resp: 67200
Ion Ratio Lower Upper
85 100
87 31.3 25.6 38.4



#3
Chloromethane
Concen: 4.917 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 50 Resp: 113410
Ion Ratio Lower Upper
50 100
52 31.9 23.0 42.6

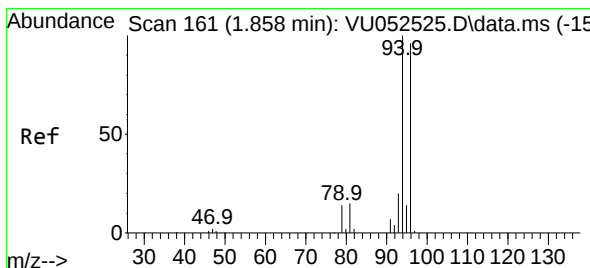
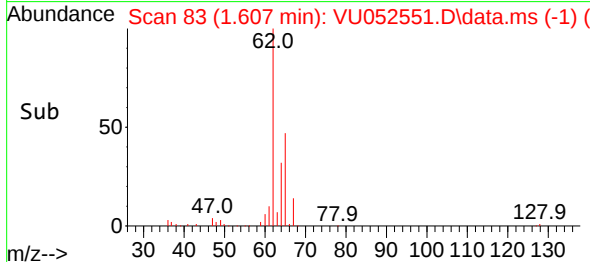
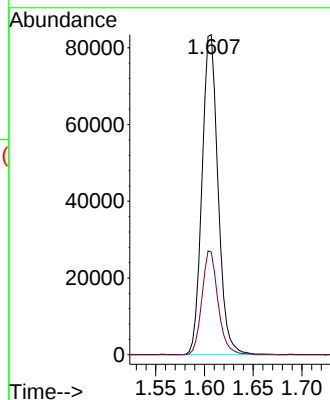
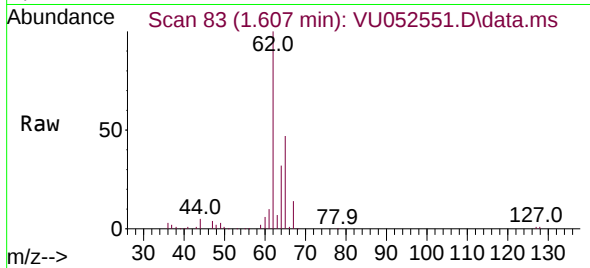




#5
 Vinyl chloride
 Concen: 4.570 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU052551.D
 Acq: 23 Dec 2022 20:39

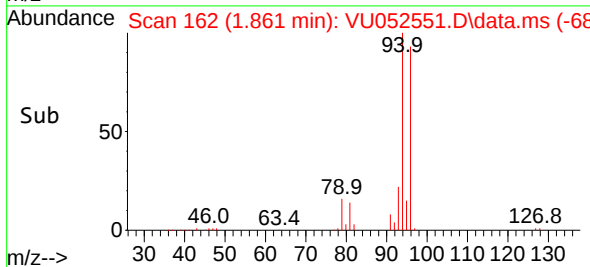
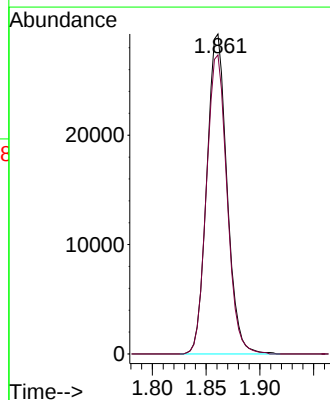
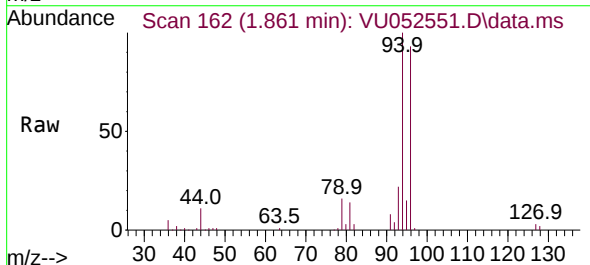
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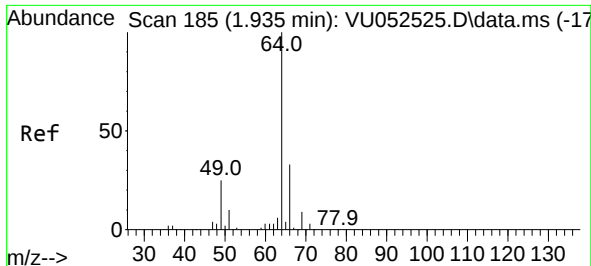
Tgt Ion: 62 Resp: 95556
 Ion Ratio Lower Upper
 62 100
 64 32.0 24.4 45.4



#6
 Bromomethane
 Concen: 3.205 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VU052551.D
 Acq: 23 Dec 2022 20:39

Tgt Ion: 94 Resp: 38205
 Ion Ratio Lower Upper
 94 100
 96 93.5 65.0 120.8

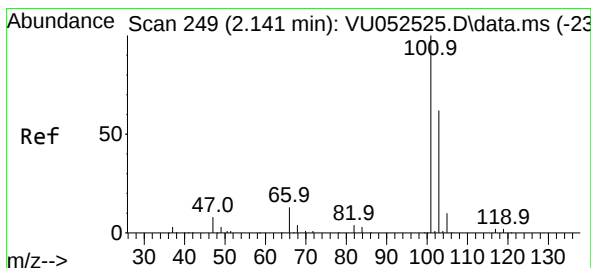
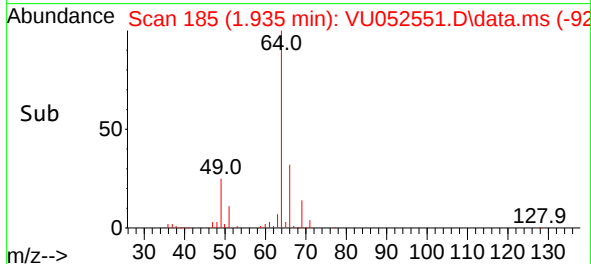
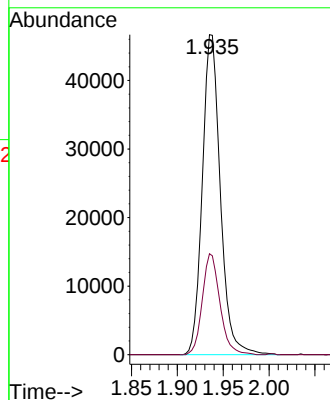
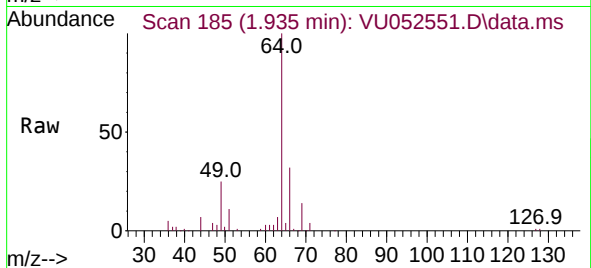




#8
Chloroethane
Concen: 4.457 ug/L
RT: 1.935 min Scan# 185
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

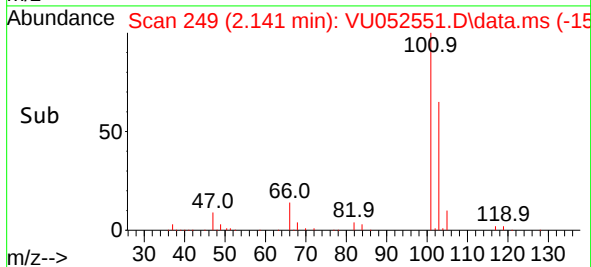
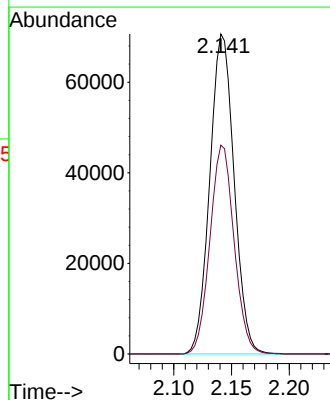
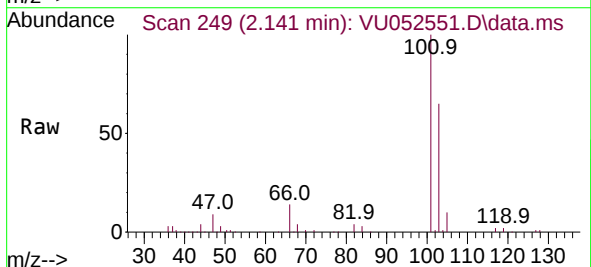
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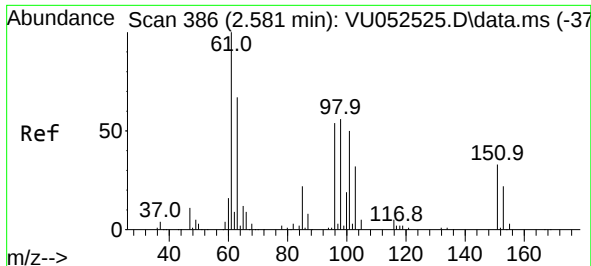
Tgt Ion: 64 Resp: 63821
Ion Ratio Lower Upper
64 100
66 31.5 21.3 39.5



#9
Trichlorofluoromethane
Concen: 4.381 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion:101 Resp: 103551
Ion Ratio Lower Upper
101 100
103 64.8 52.0 78.0

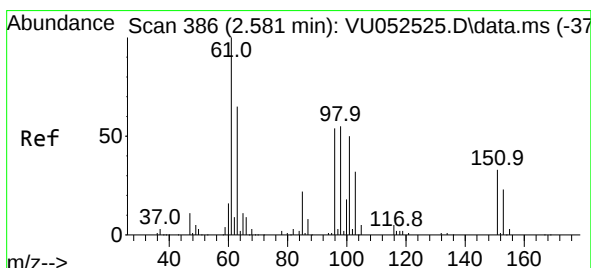
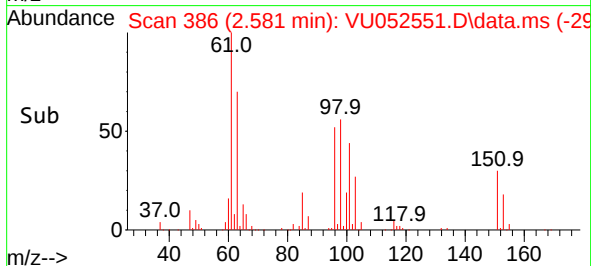
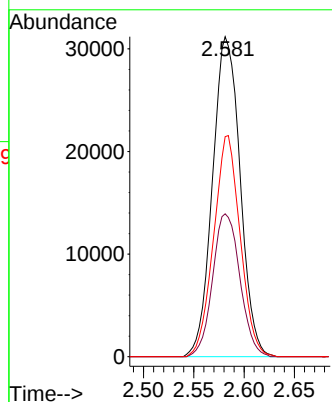
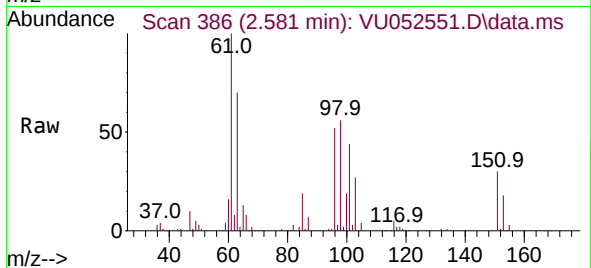




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.237 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052551.D
 Acq: 23 Dec 2022 20:39

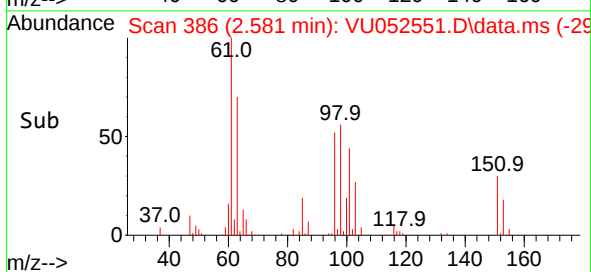
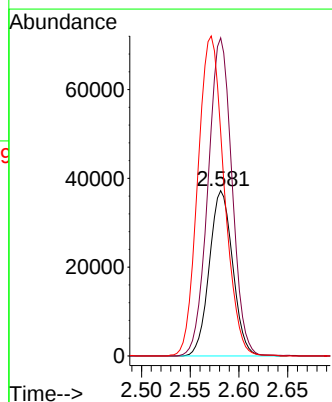
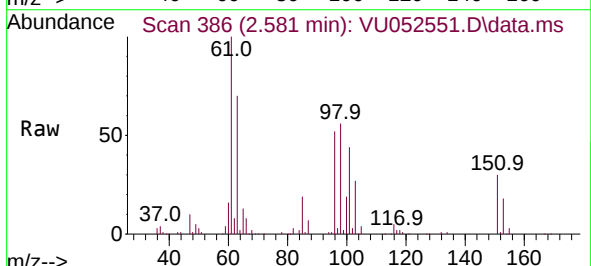
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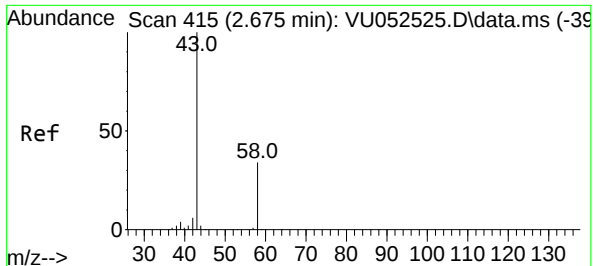
Tgt Ion:101 Resp: 59530
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.8 53.6
 151 66.5 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 4.617 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.000 min
 Lab File: VU052551.D
 Acq: 23 Dec 2022 20:39

Tgt Ion: 96 Resp: 62090
 Ion Ratio Lower Upper
 96 100
 61 192.5 135.4 251.4
 63 135.5 95.4 177.2





#13

Acetone

Concen: 19.592 ug/L

RT: 2.668 min Scan# 415

Delta R.T. -0.007 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

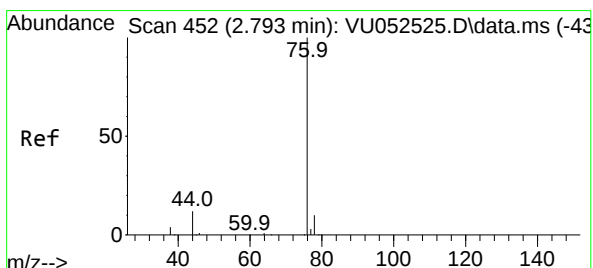
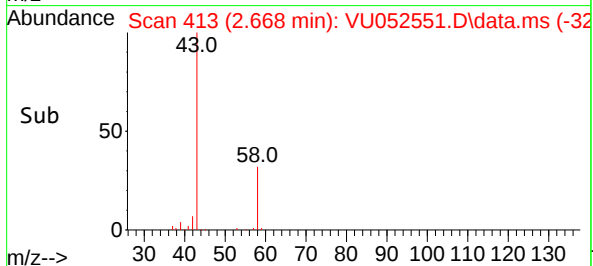
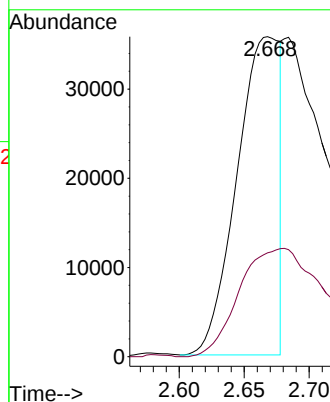
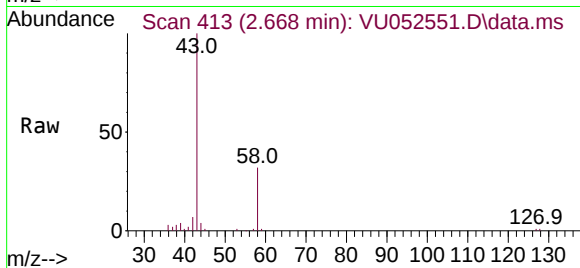
VSTD005117

Tgt Ion: 43 Resp: 81484

Ion Ratio Lower Upper

43 100

58 79.7 0.0 65.4#



#14

Carbon disulfide

Concen: 4.614 ug/L

RT: 2.793 min Scan# 452

Delta R.T. -0.000 min

Lab File: VU052551.D

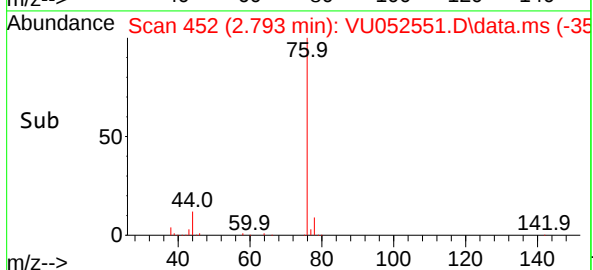
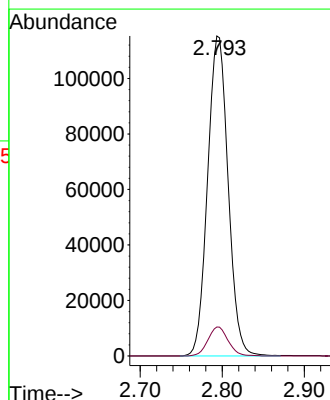
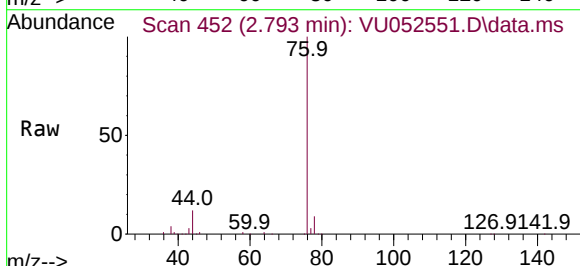
Acq: 23 Dec 2022 20:39

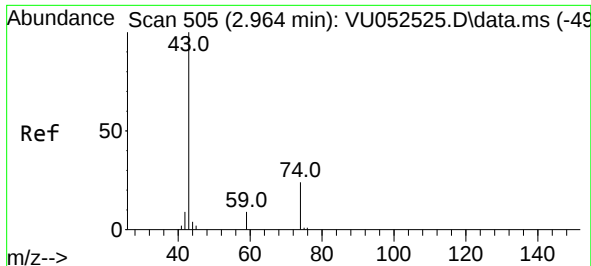
Tgt Ion: 76 Resp: 199963

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

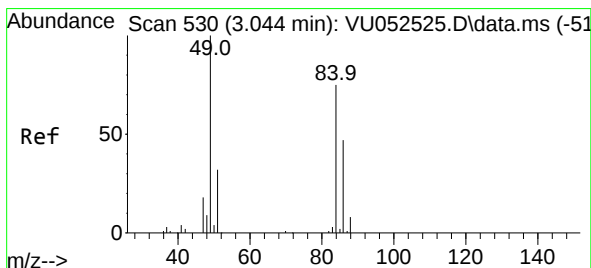
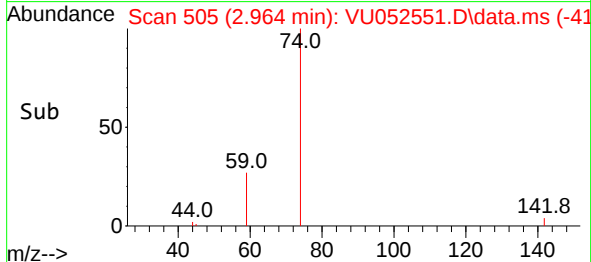
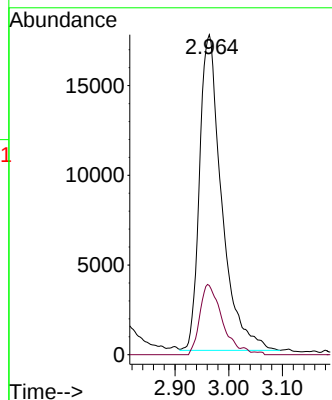
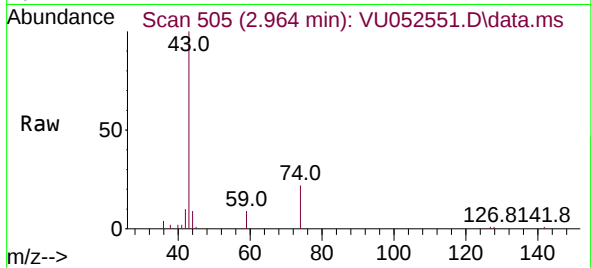




#15
Methyl Acetate
Concen: 5.508 ug/L
RT: 2.964 min Scan# 505
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

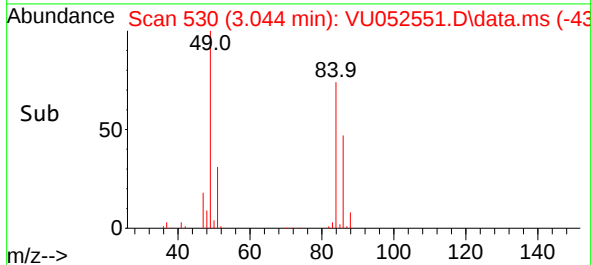
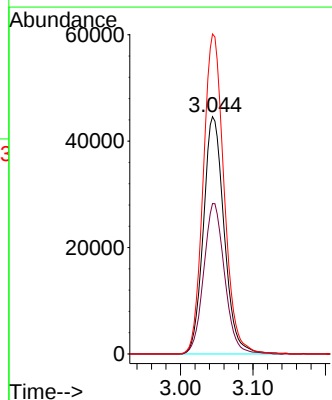
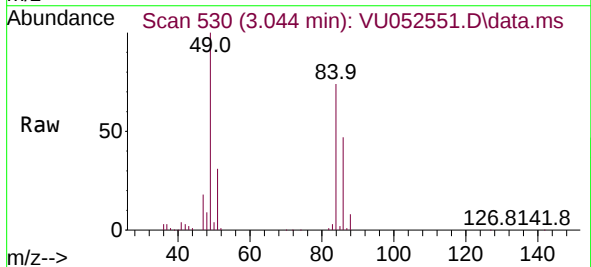
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

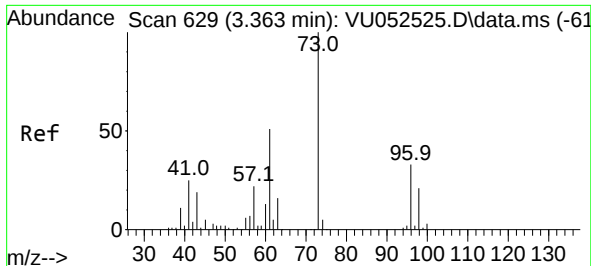
Tgt Ion: 43 Resp: 50465
Ion Ratio Lower Upper
43 100
74 21.7 16.9 25.3



#16
Methylene chloride
Concen: 4.667 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 84 Resp: 88659
Ion Ratio Lower Upper
84 100
86 63.4 44.7 83.1
49 134.9 93.3 173.3

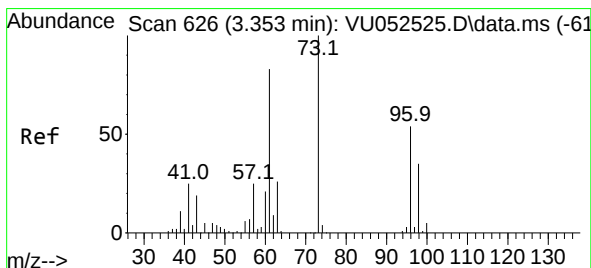
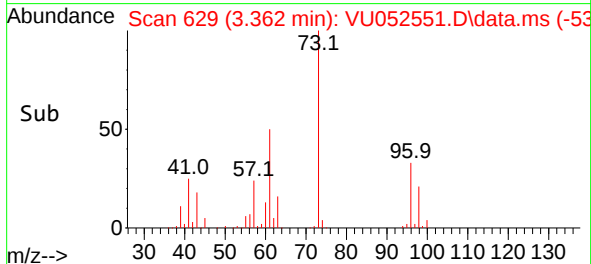
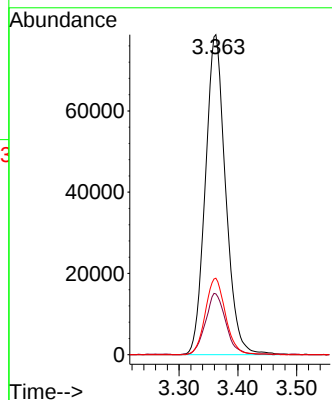
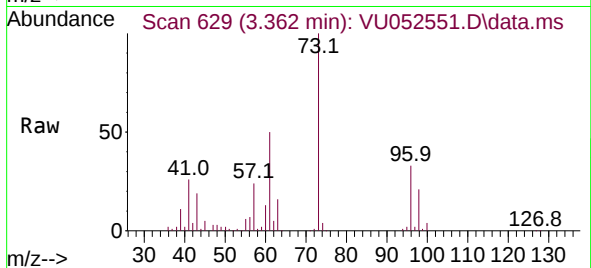




#17
Methyl tert-butyl Ether
Concen: 5.246 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

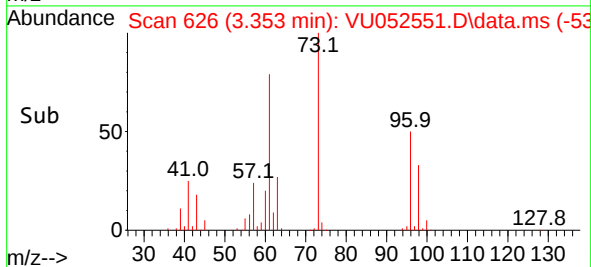
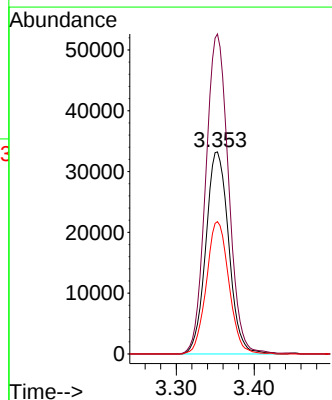
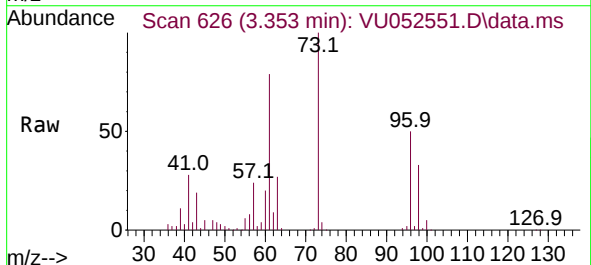
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

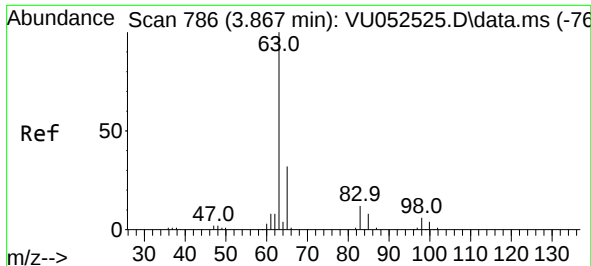
Tgt Ion: 73 Resp: 188349
Ion Ratio Lower Upper
73 100
43 19.3 16.1 24.1
57 23.8 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 4.899 ug/L
RT: 3.353 min Scan# 626
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 96 Resp: 67896
Ion Ratio Lower Upper
96 100
61 158.4 108.3 201.1
98 65.5 44.0 81.6

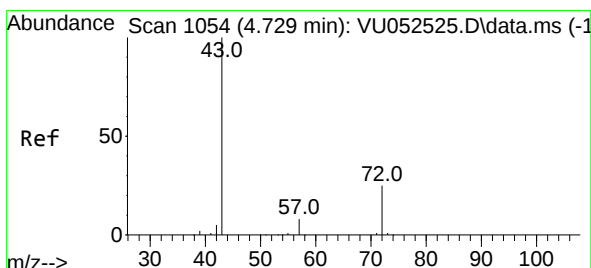
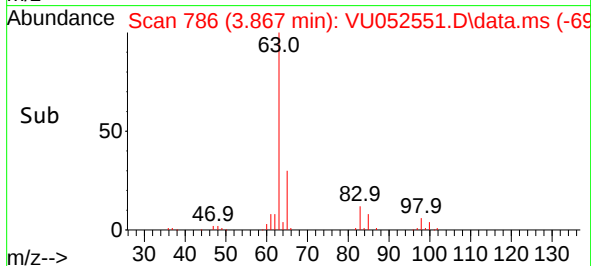
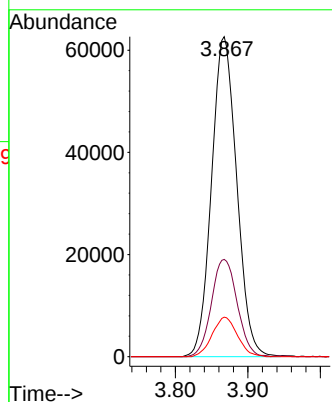
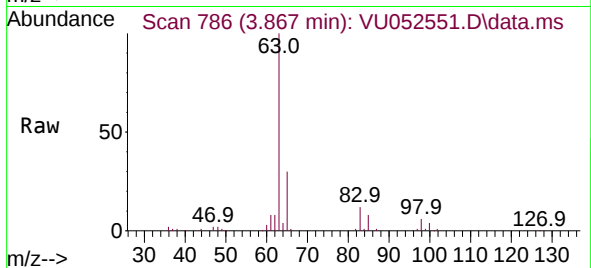




#19
1,1-Dichloroethane
Concen: 5.007 ug/L
RT: 3.867 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

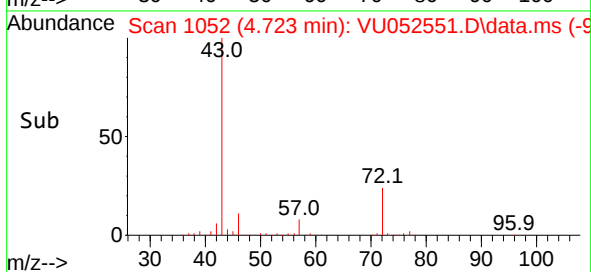
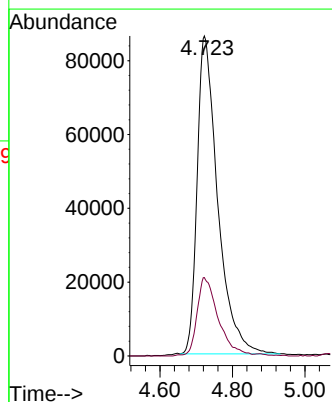
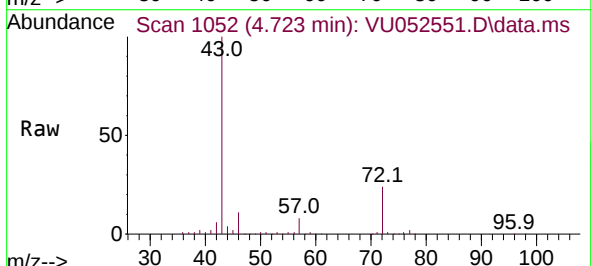
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

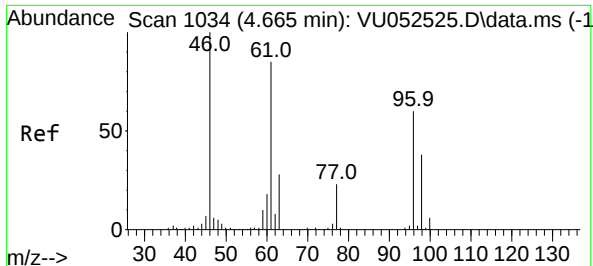
Tgt Ion: 63 Resp: 150929
Ion Ratio Lower Upper
63 100
65 30.4 22.0 40.8
83 12.4 9.0 16.8



#21
2-Butanone
Concen: 55.296 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. -0.007 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 43 Resp: 338696
Ion Ratio Lower Upper
43 100
72 25.4 11.6 34.7





#22

cis-1,2-Dichloroethene

Concen: 5.134 ug/L

RT: 4.661 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005117

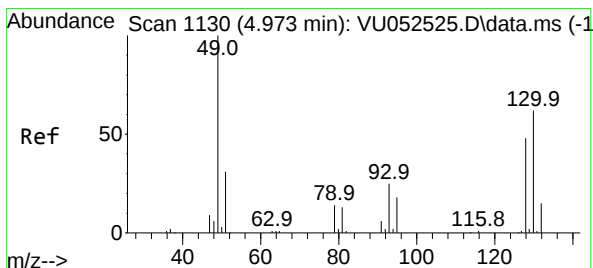
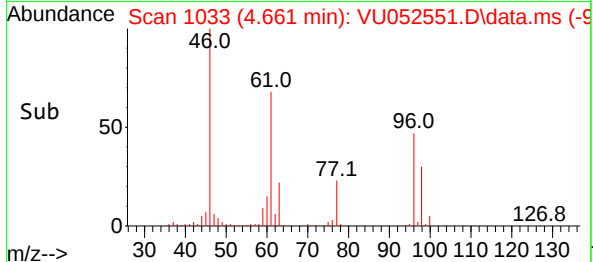
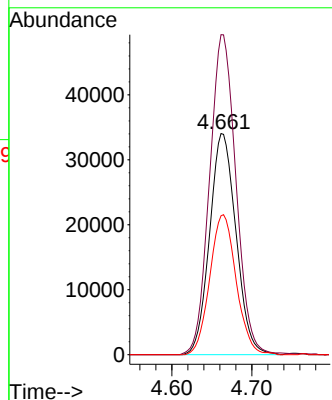
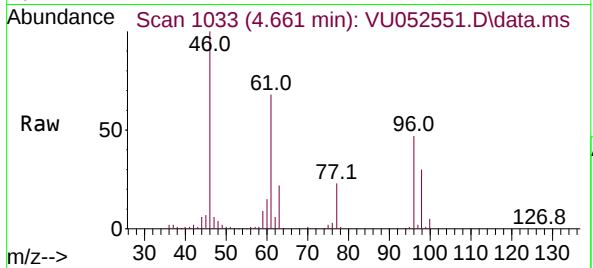
Tgt Ion: 96 Resp: 78094

Ion Ratio Lower Upper

96 100

61 144.7 96.9 180.1

98 62.8 44.7 83.1



#23

Bromochloromethane

Concen: 5.381 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Tgt Ion:128 Resp: 37931

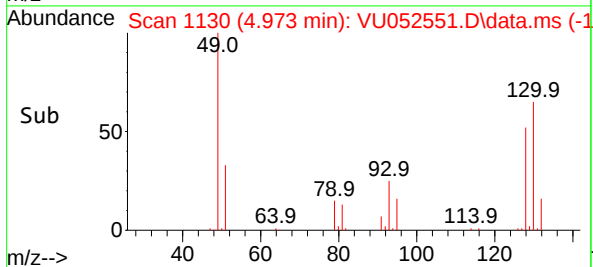
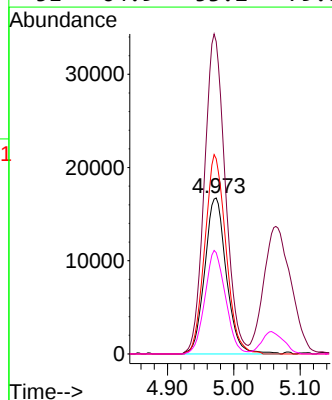
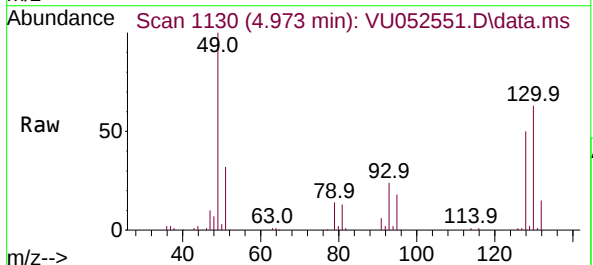
Ion Ratio Lower Upper

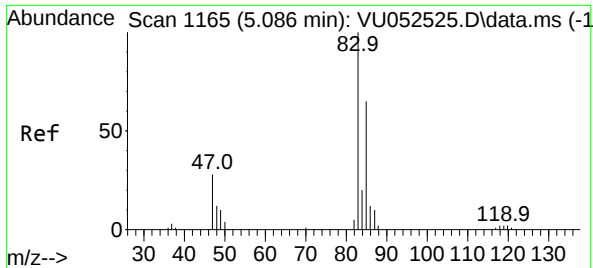
128 100

49 200.2 143.3 266.1

130 125.1 88.4 164.2

51 64.9 53.2 79.8





#25

Chloroform

Concen: 4.923 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

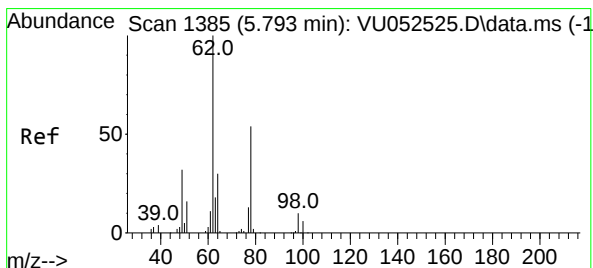
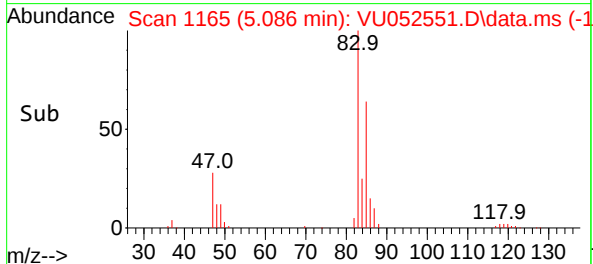
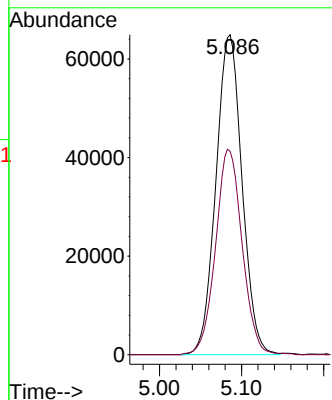
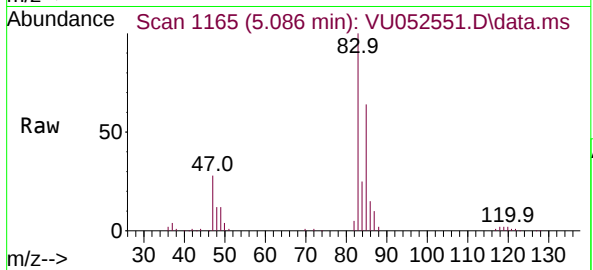
VSTD005117

Tgt Ion: 83 Resp: 143789

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1



#27

1,2-Dichloroethane

Concen: 5.211 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052551.D

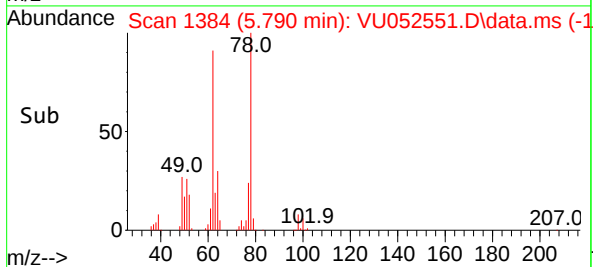
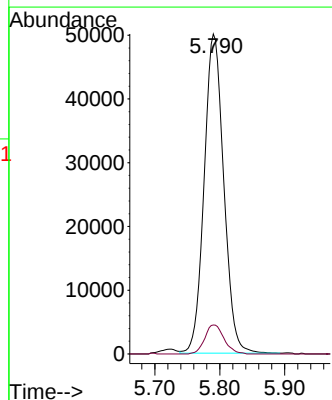
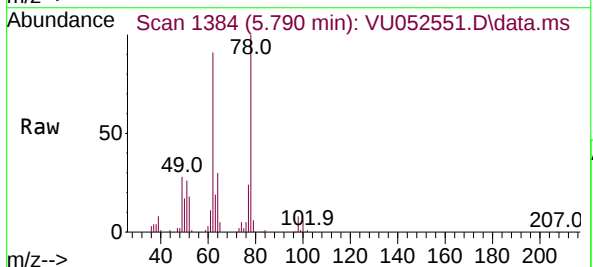
Acq: 23 Dec 2022 20:39

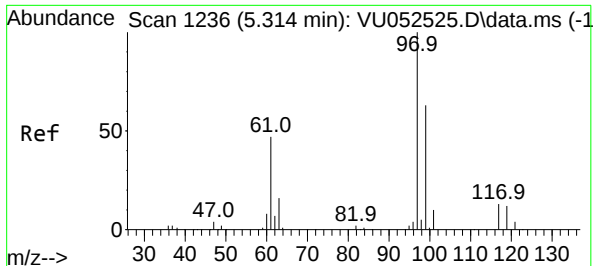
Tgt Ion: 62 Resp: 105145

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.868 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005117

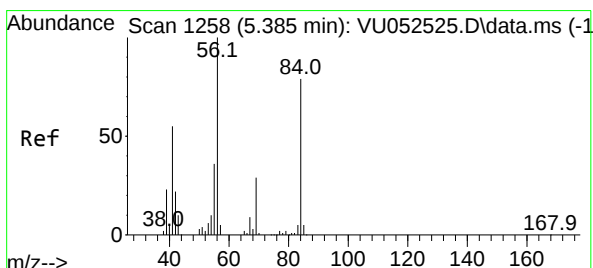
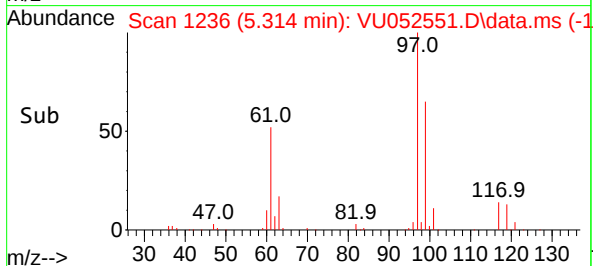
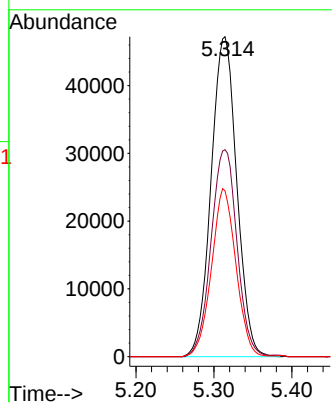
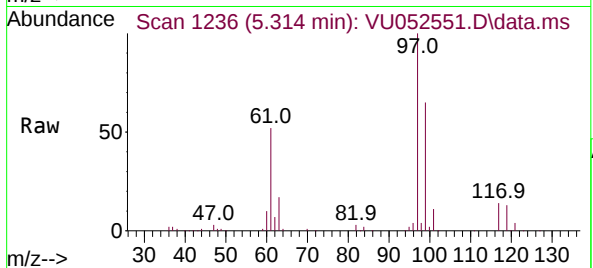
Tgt Ion: 97 Resp: 108002

Ion Ratio Lower Upper

97 100

99 65.5 52.2 78.2

61 50.0 41.6 62.4



#30

Cyclohexane

Concen: 4.456 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

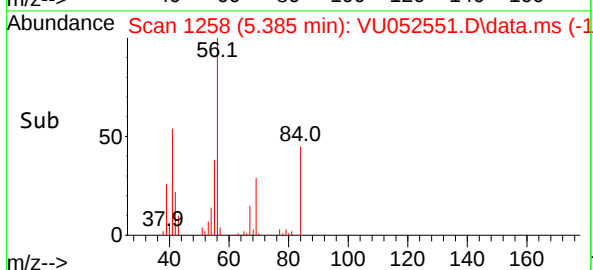
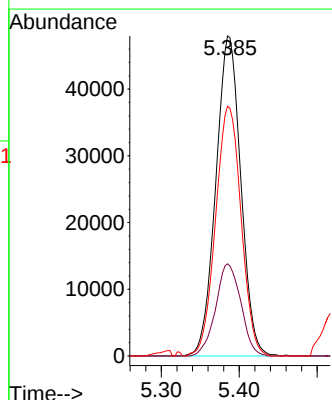
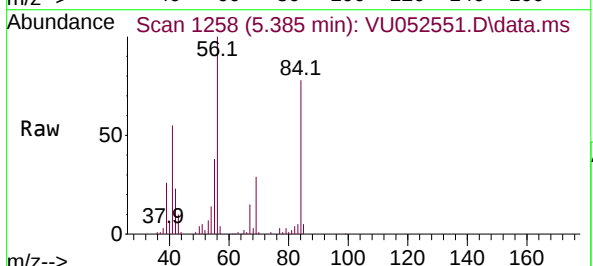
Tgt Ion: 56 Resp: 106831

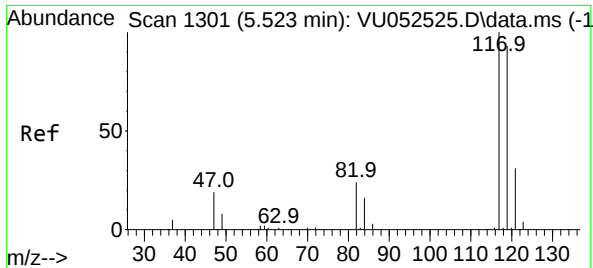
Ion Ratio Lower Upper

56 100

69 29.0 23.0 34.6

84 79.6 64.4 96.6

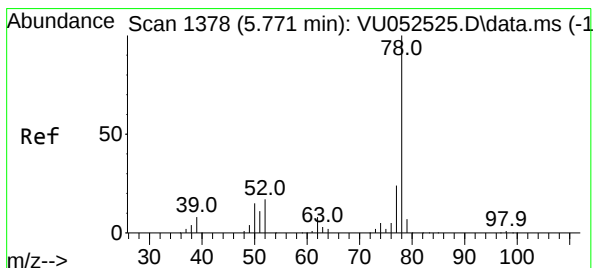
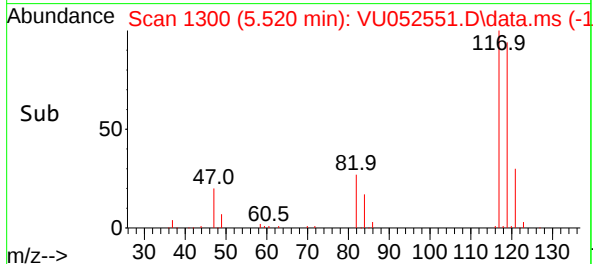
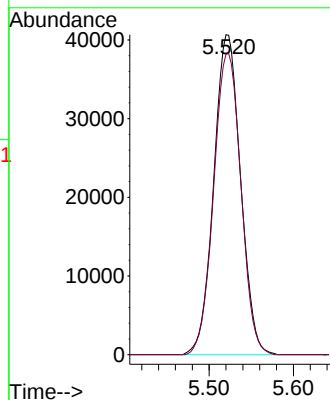
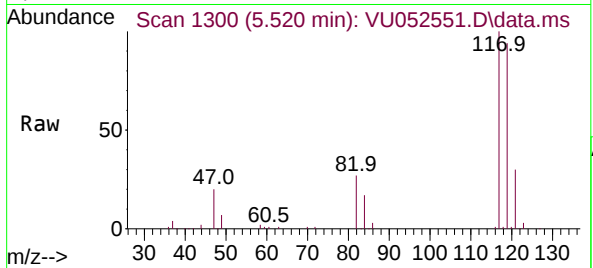




#31
Carbon tetrachloride
Concen: 4.604 ug/L
RT: 5.520 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

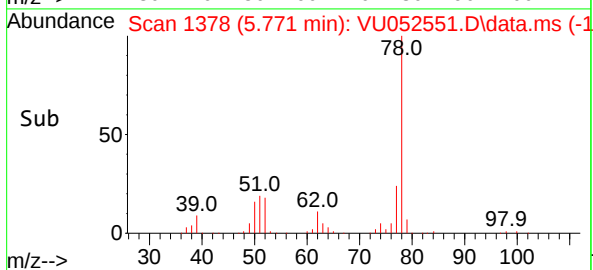
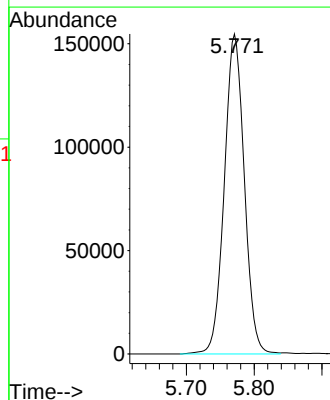
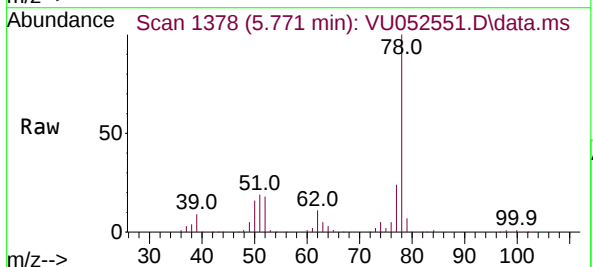
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

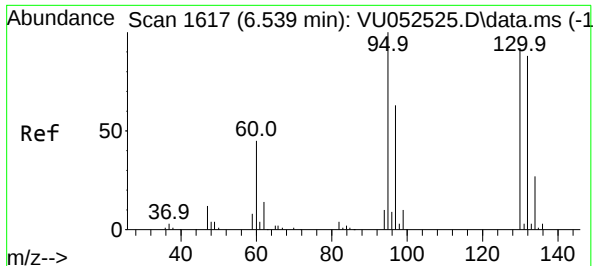
Tgt Ion:117 Resp: 89768
Ion Ratio Lower Upper
117 100
119 95.5 76.3 114.5



#33
Benzene
Concen: 4.998 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 78 Resp: 317364

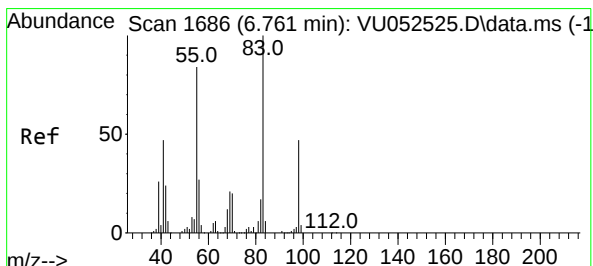
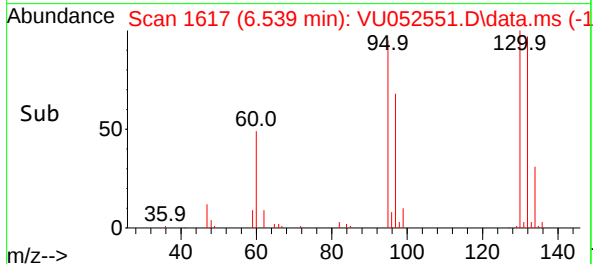
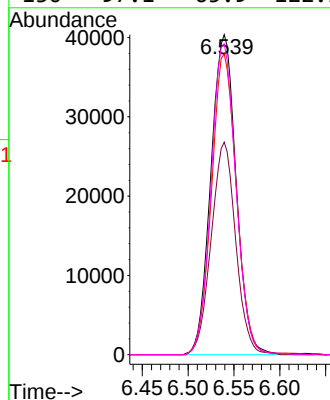
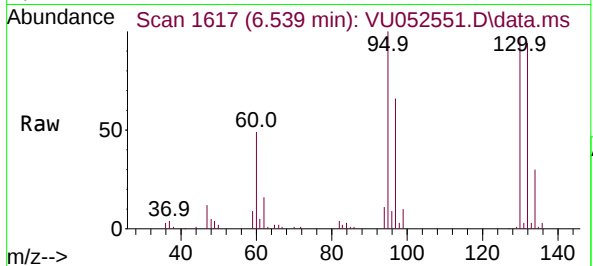




#34
Trichloroethene
Concen: 5.213 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

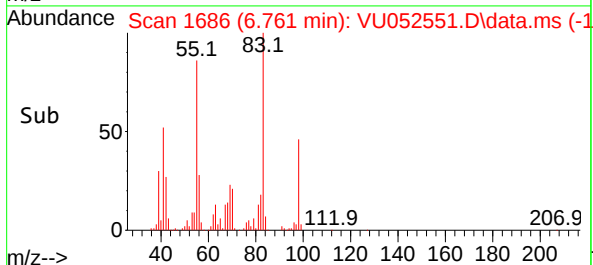
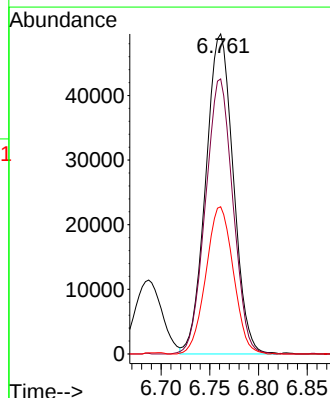
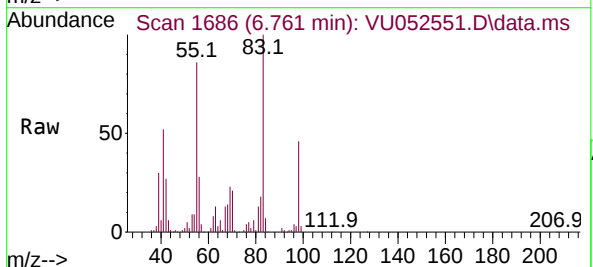
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

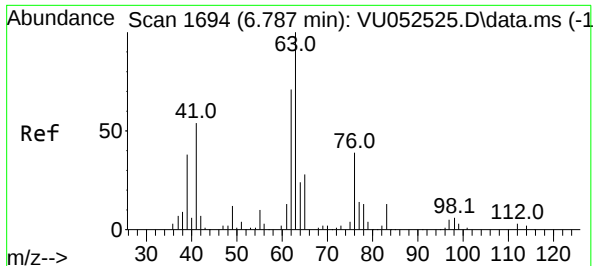
Tgt Ion: 95 Resp: 77373
Ion Ratio Lower Upper
95 100
97 66.4 46.3 86.1
132 94.0 63.9 118.7
130 97.1 65.9 122.5



#35
Methylcyclohexane
Concen: 4.359 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 83 Resp: 97561
Ion Ratio Lower Upper
83 100
55 85.5 71.4 107.0
98 45.7 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.197 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

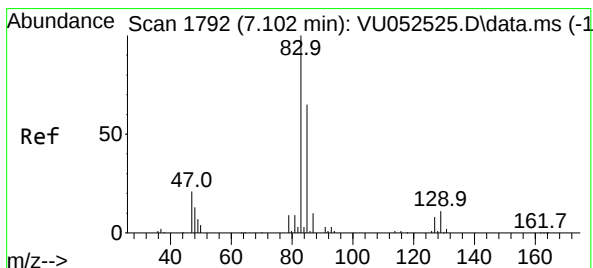
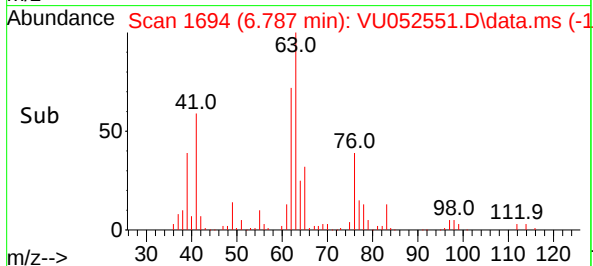
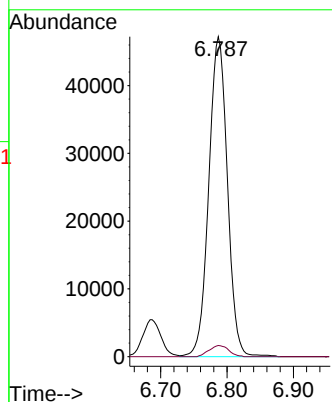
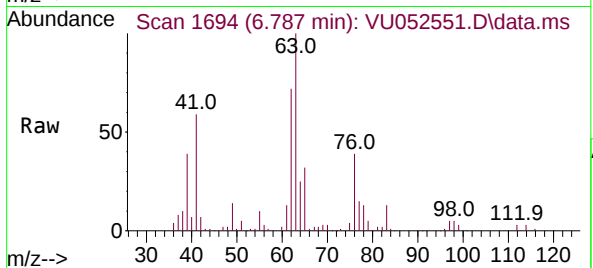
VSTD005117

Tgt Ion: 63 Resp: 92081

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 5.001 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

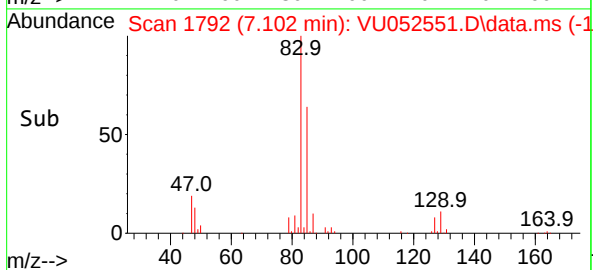
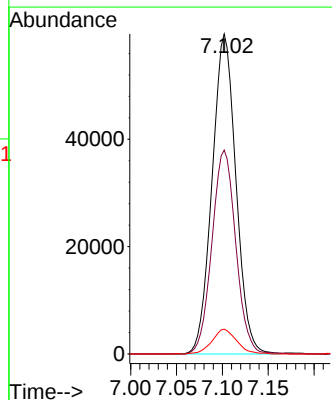
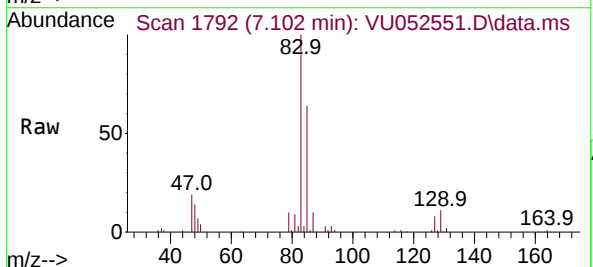
Tgt Ion: 83 Resp: 107839

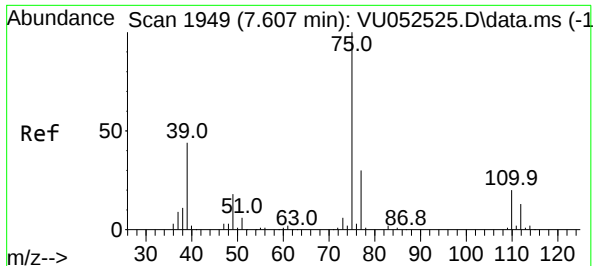
Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

127 7.8 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 5.052 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

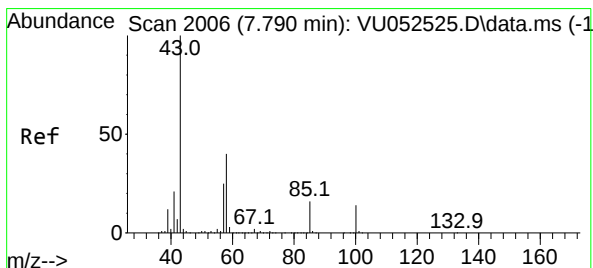
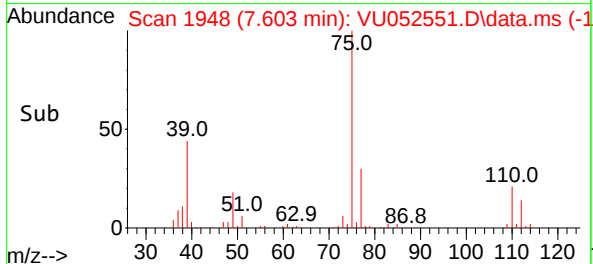
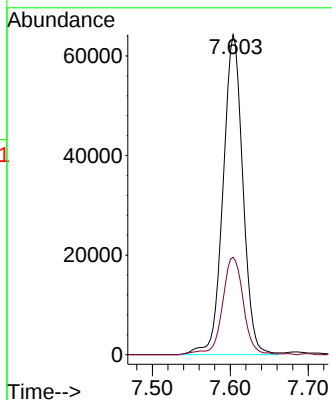
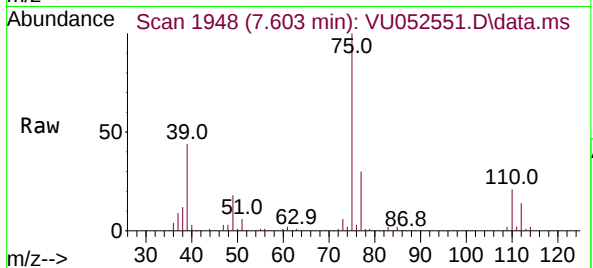
VSTD005117

Tgt Ion: 75 Resp: 113365

Ion Ratio Lower Upper

75 100

77 30.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 58.892 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

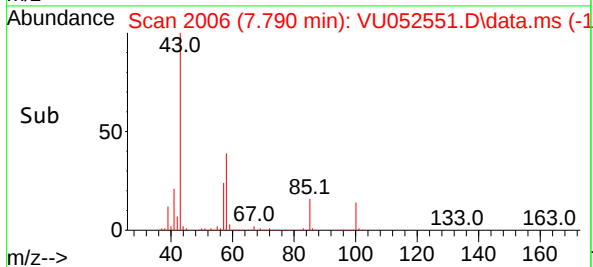
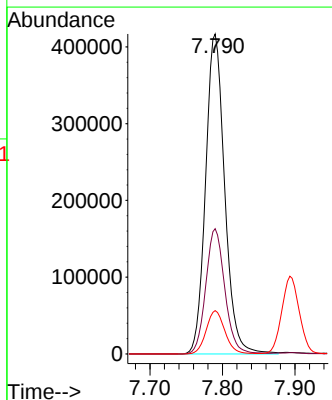
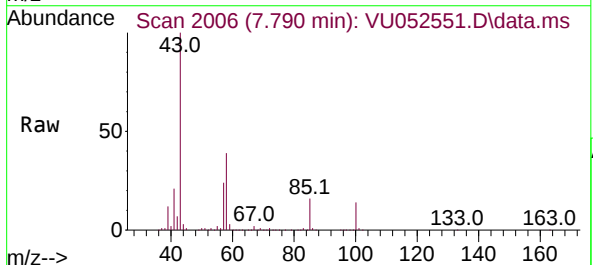
Tgt Ion: 43 Resp: 762501

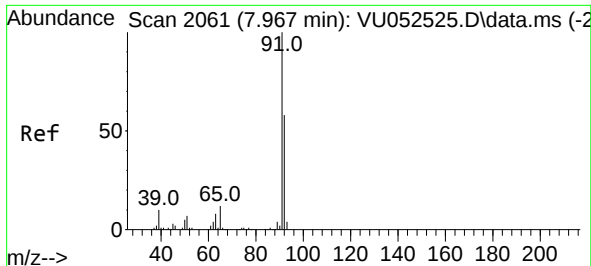
Ion Ratio Lower Upper

43 100

58 39.1 30.6 45.8

100 13.3 10.4 15.6





#42

Toluene

Concen: 5.219 ug/L

RT: 7.964 min Scan# 2061

Delta R.T. -0.003 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

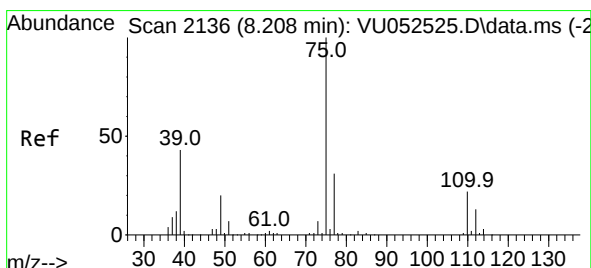
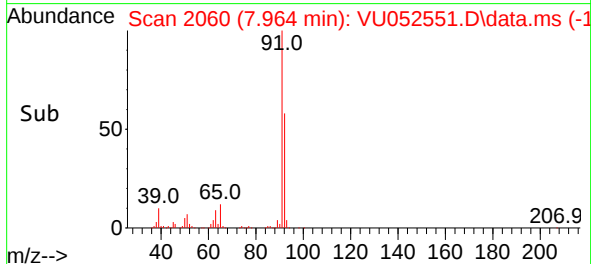
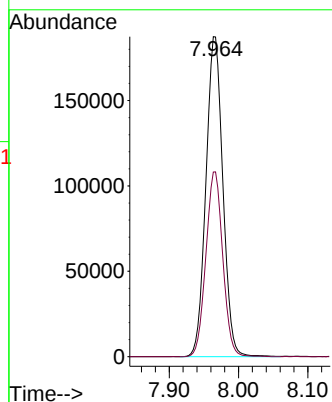
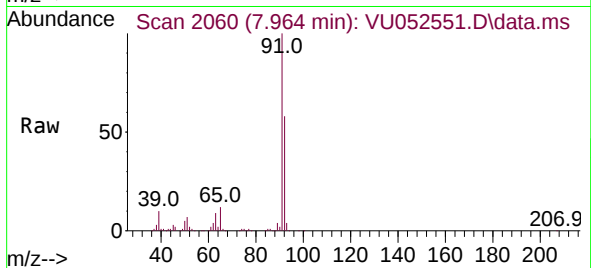
VSTD005117

Tgt Ion: 91 Resp: 317739

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.467 ug/L

RT: 8.205 min Scan# 2135

Delta R.T. -0.003 min

Lab File: VU052551.D

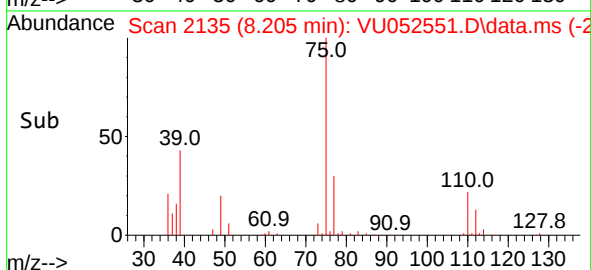
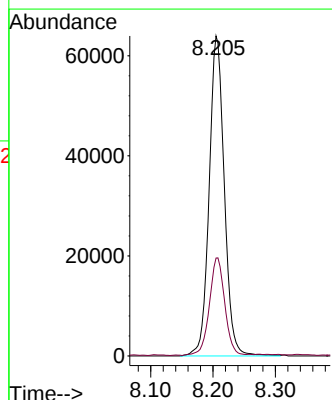
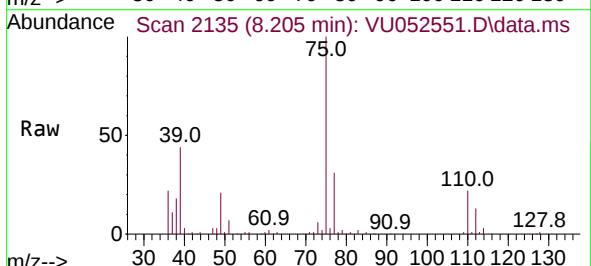
Acq: 23 Dec 2022 20:39

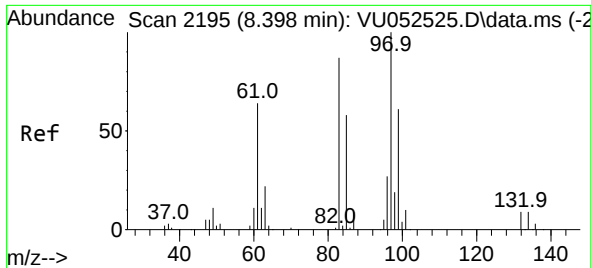
Tgt Ion: 75 Resp: 108103

Ion Ratio Lower Upper

75 100

77 30.6 22.8 42.4



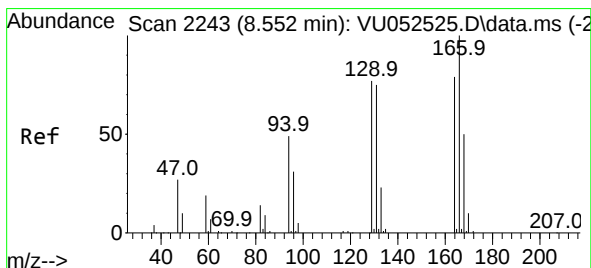
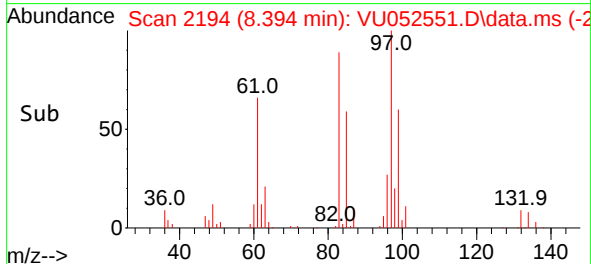
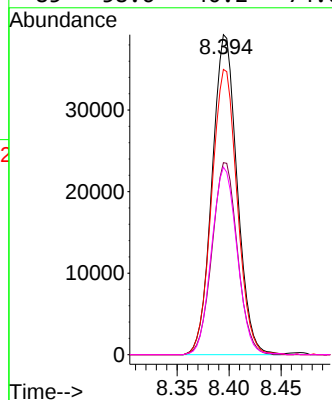
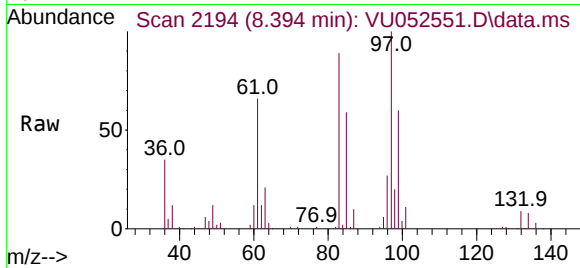


#45
1,1,2-Trichloroethane
Concen: 5.244 ug/L
RT: 8.394 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

Tgt Ion: 97 Resp: 65802

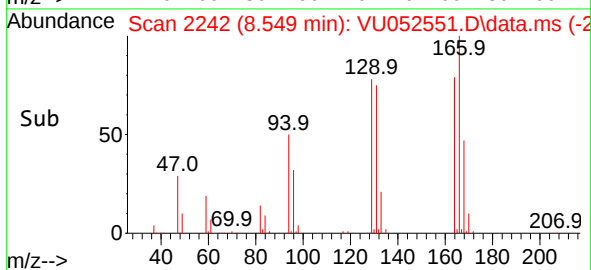
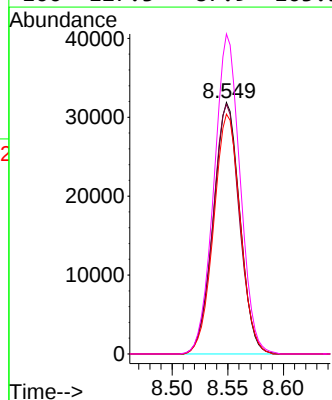
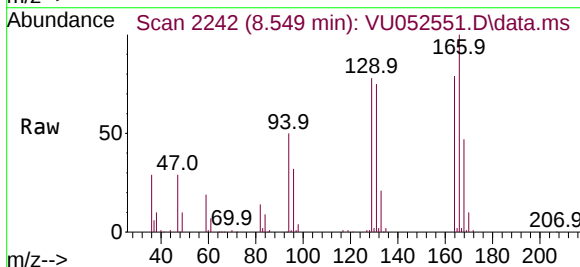
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.0	78.0
83	89.2	63.2	117.4
85	58.6	40.2	74.6

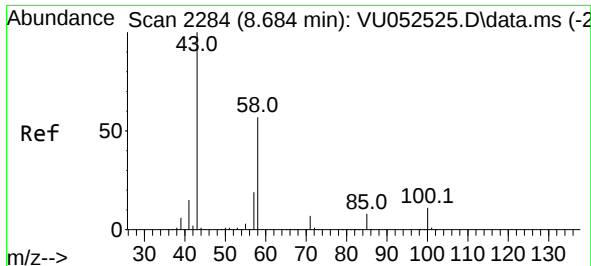


#47
Tetrachloroethene
Concen: 5.097 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 164 Resp: 52809

Ion	Ratio	Lower	Upper
164	100		
129	99.2	68.1	126.5
131	95.4	66.5	123.5
166	127.3	87.9	163.3

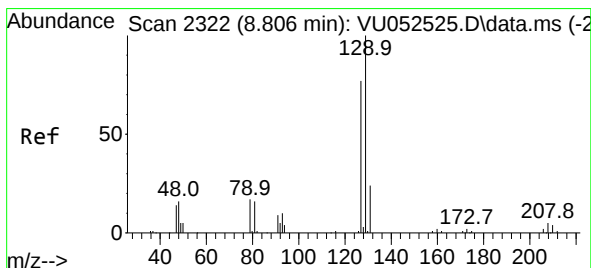
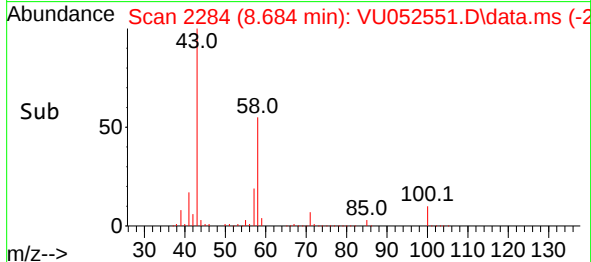
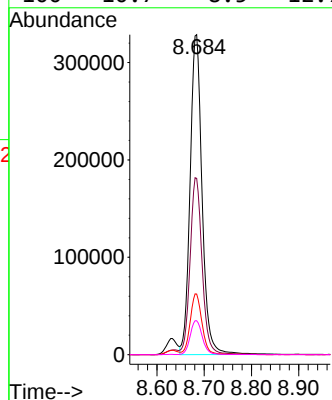
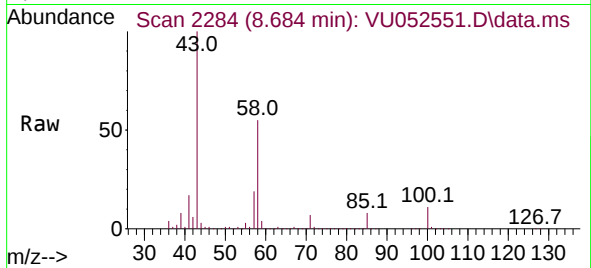




#48
2-Hexanone
Concen: 59.406 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

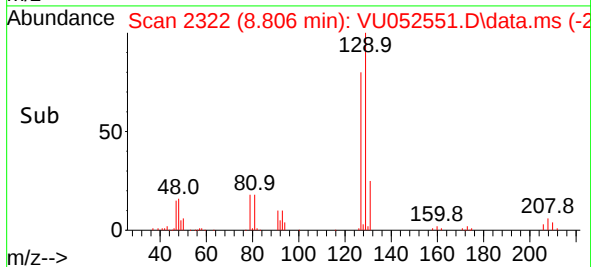
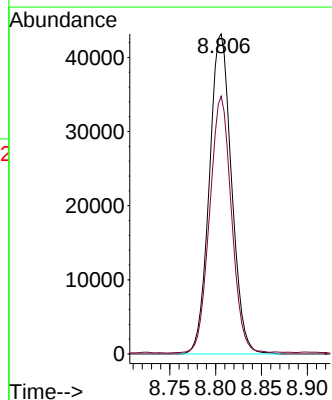
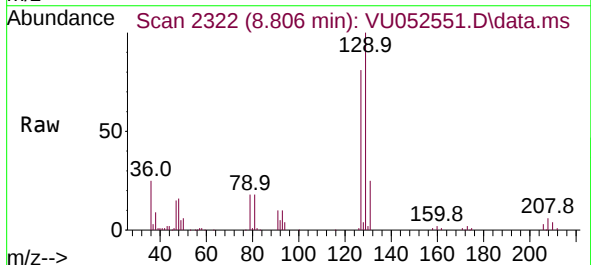
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

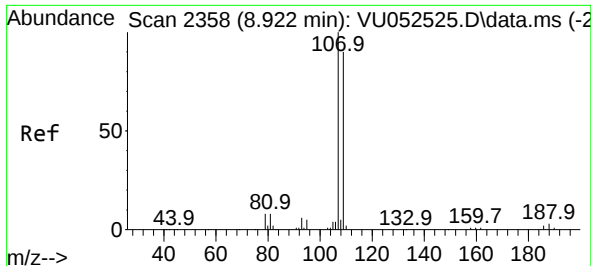
Tgt Ion: 43 Resp: 579778
Ion Ratio Lower Upper
43 100
58 54.9 44.1 66.1
57 18.6 14.6 21.8
100 10.7 8.5 12.7



#49
Dibromochloromethane
Concen: 5.479 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 129 Resp: 72807
Ion Ratio Lower Upper
129 100
127 80.5 54.2 100.6





#50

1,2-Dibromoethane

Concen: 5.393 ug/L

RT: 8.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005117

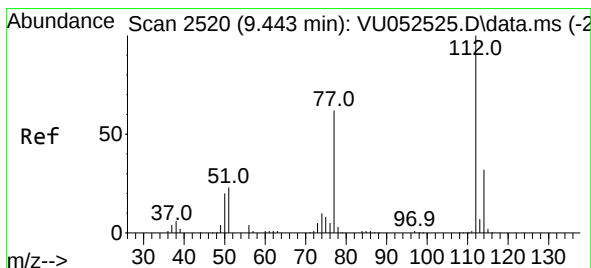
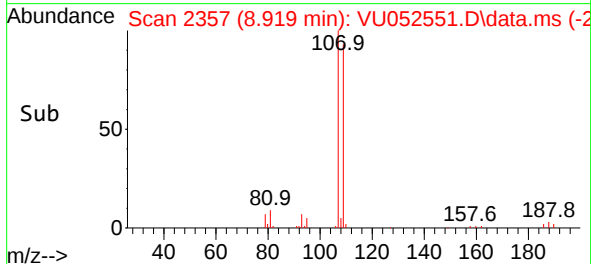
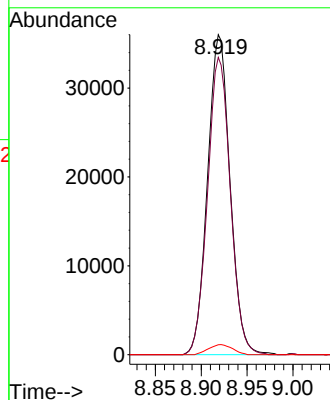
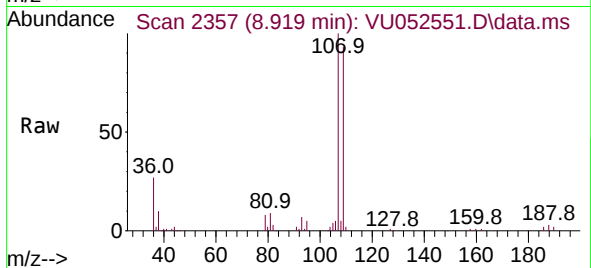
Tgt Ion:107 Resp: 61515

Ion Ratio Lower Upper

107 100

109 92.9 65.8 122.2

188 3.1 2.3 3.5



#51

Chlorobenzene

Concen: 5.064 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

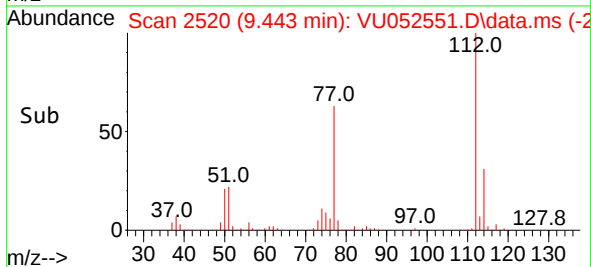
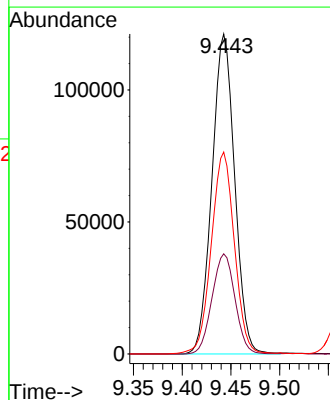
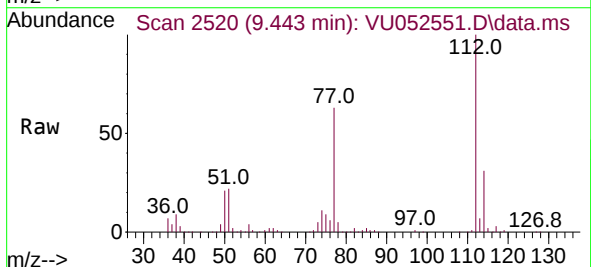
Tgt Ion:112 Resp: 196855

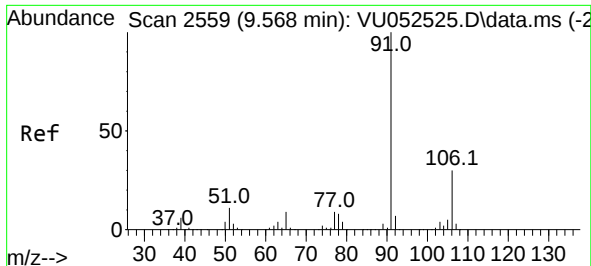
Ion Ratio Lower Upper

112 100

114 31.3 21.3 39.5

77 63.1 51.0 76.6

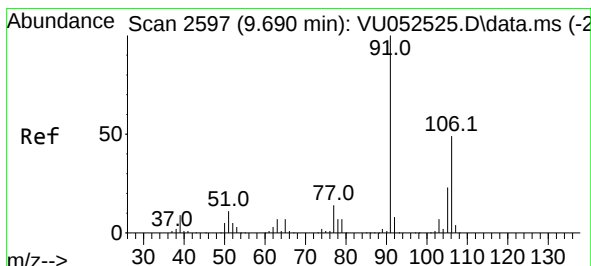
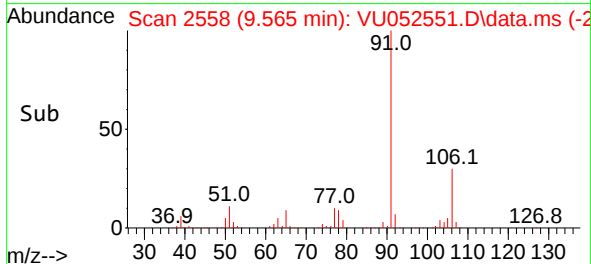
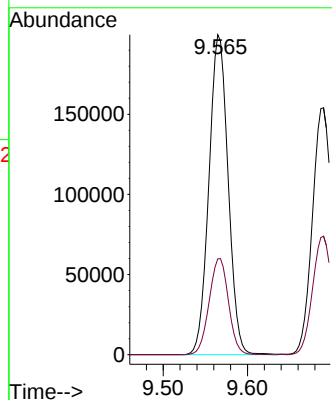
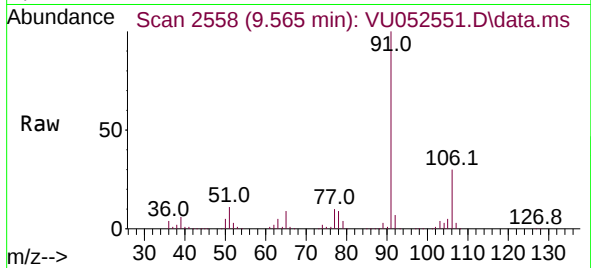




#52
Ethylbenzene
Concen: 5.023 ug/L
RT: 9.565 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

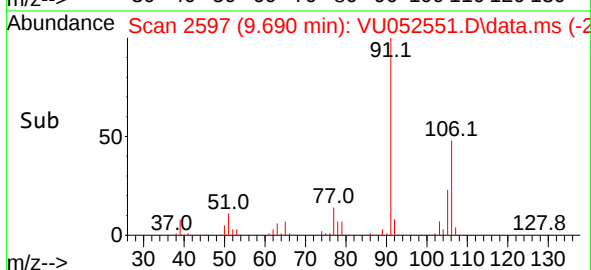
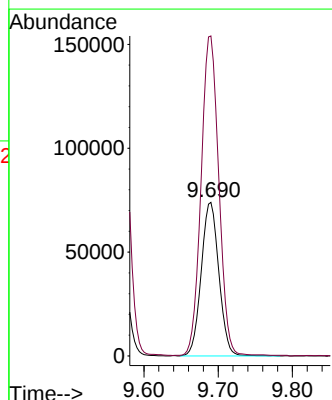
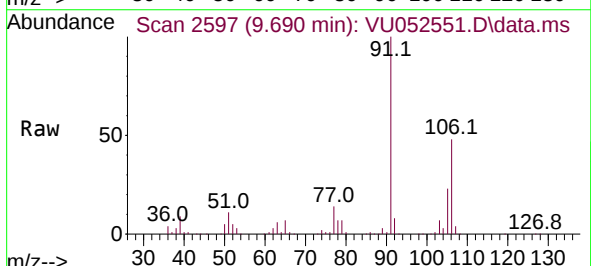
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

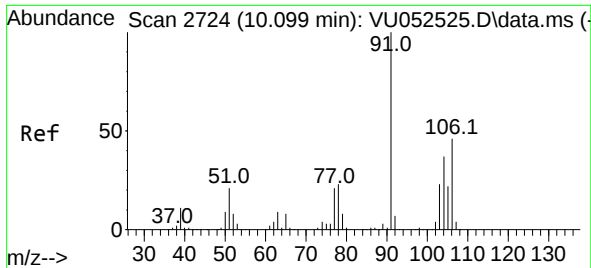
Tgt Ion: 91 Resp: 316488
Ion Ratio Lower Upper
91 100
106 30.0 20.9 38.7



#53
m,p-Xylene
Concen: 5.248 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 106 Resp: 121915
Ion Ratio Lower Upper
106 100
91 208.3 148.2 275.2

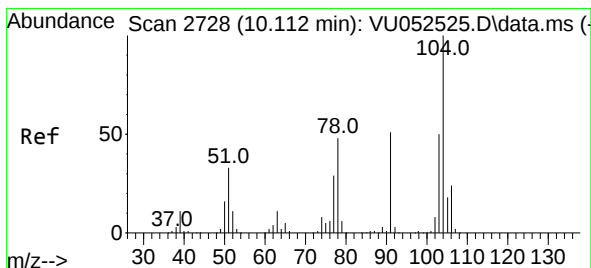
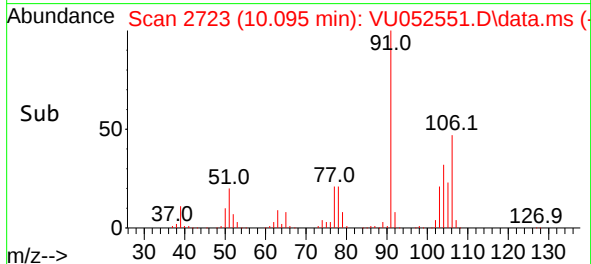
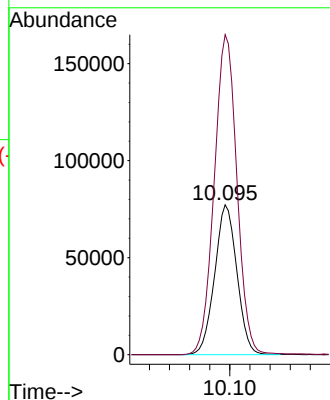
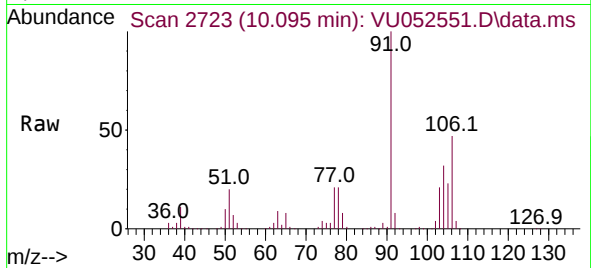




#54
o-Xylene
Concen: 5.327 ug/L
RT: 10.095 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

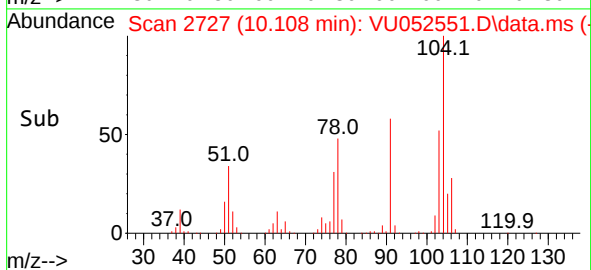
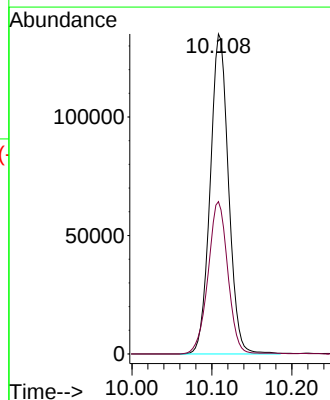
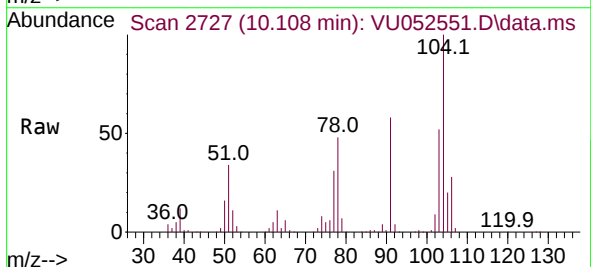
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

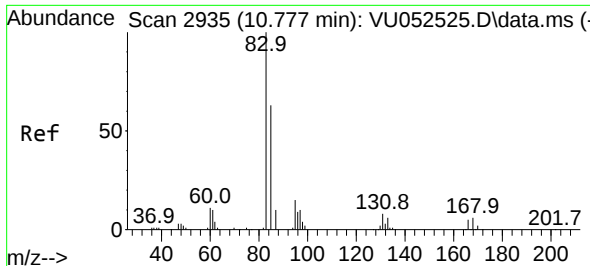
Tgt Ion:106 Resp: 118640
Ion Ratio Lower Upper
106 100
91 213.4 153.2 284.4



#55
Styrene
Concen: 5.553 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion:104 Resp: 215150
Ion Ratio Lower Upper
104 100
78 47.6 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 5.379 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD005117

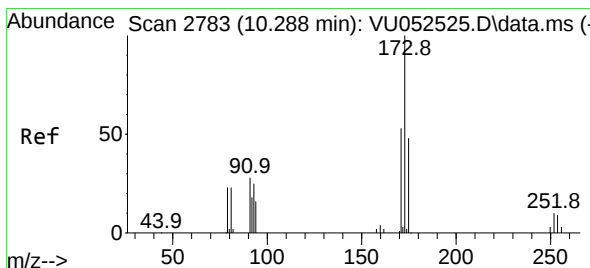
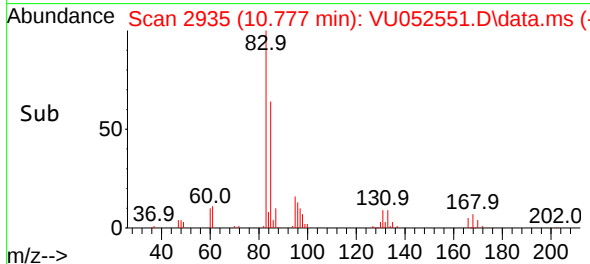
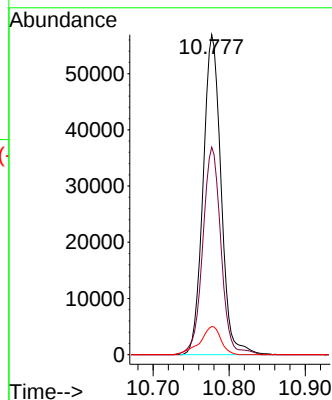
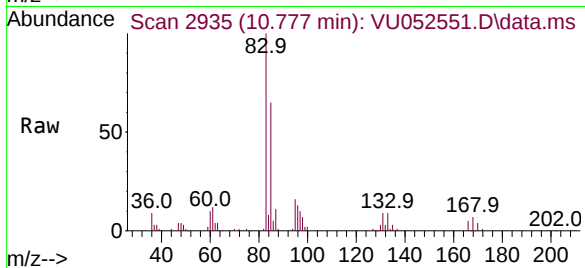
Tgt Ion: 83 Resp: 93306

Ion Ratio Lower Upper

83 100

85 64.9 44.7 83.1

131 8.8 6.0 9.0



#59

Bromoform

Concen: 5.236 ug/L

RT: 10.285 min Scan# 2782

Delta R.T. -0.003 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

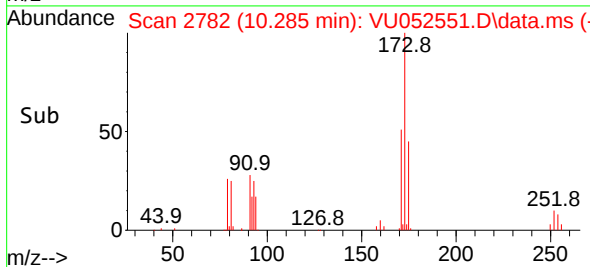
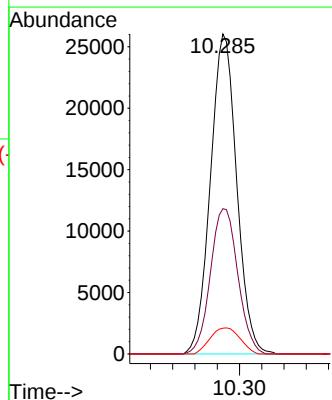
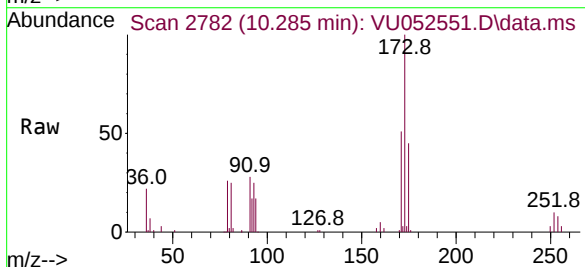
Tgt Ion:173 Resp: 42587

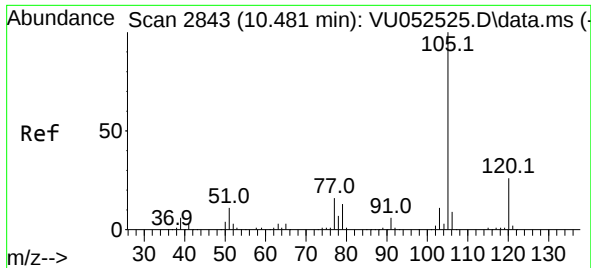
Ion Ratio Lower Upper

173 100

175 47.4 38.9 58.3

254 9.3 7.0 10.6

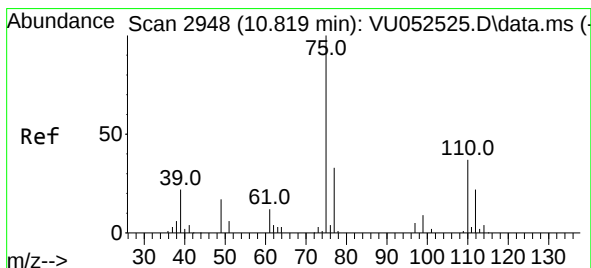
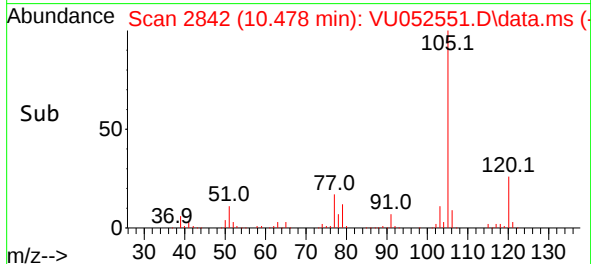
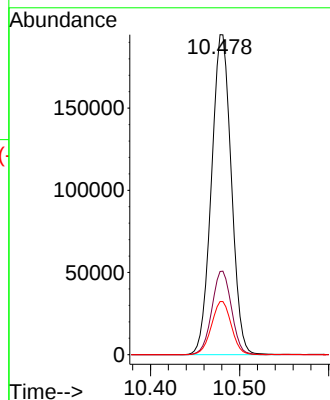
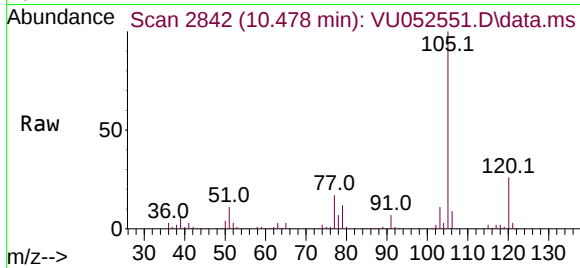




#60
Isopropylbenzene
Concen: 5.014 ug/L
RT: 10.478 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

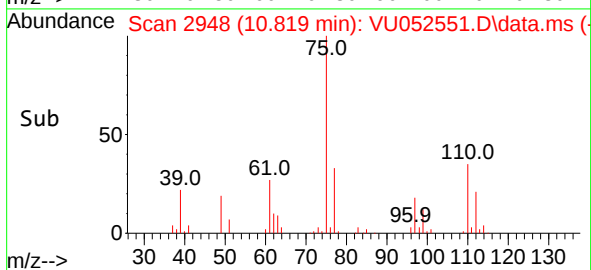
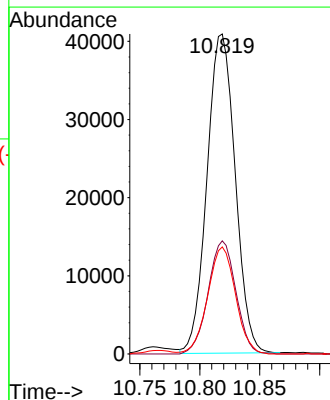
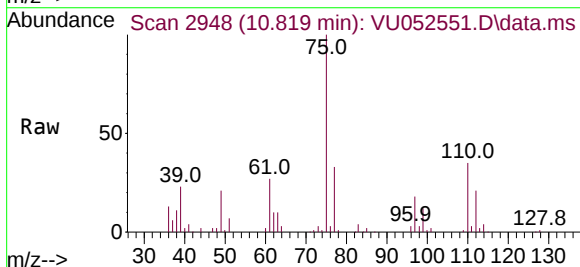
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

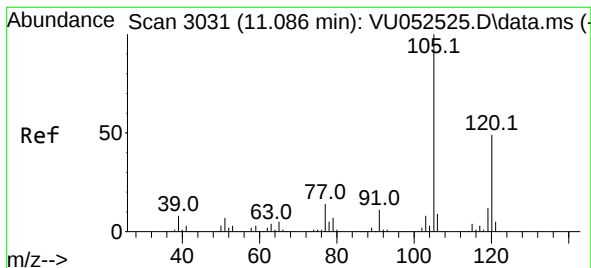
Tgt Ion:105 Resp: 300824
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0
77 16.6 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.028 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 75 Resp: 66759
Ion Ratio Lower Upper
75 100
110 34.8 27.9 41.9
77 33.1 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 4.899 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052551.D

Acq: 23 Dec 2022 20:39

Instrument :

MSVOA_U

ClientSampleId :

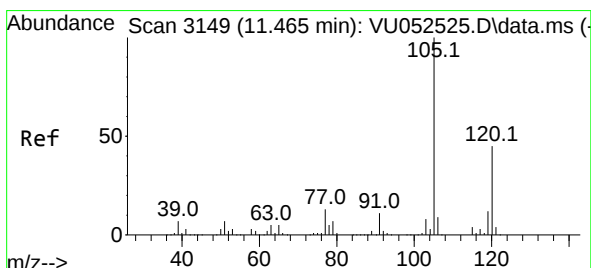
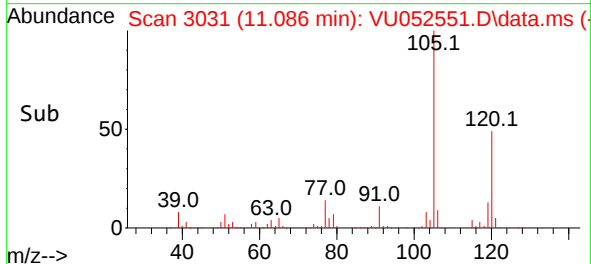
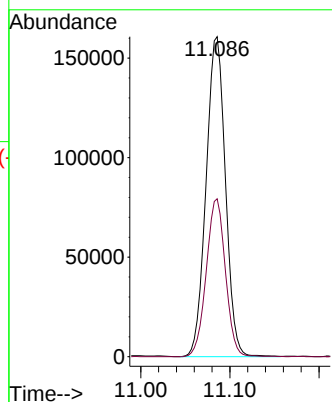
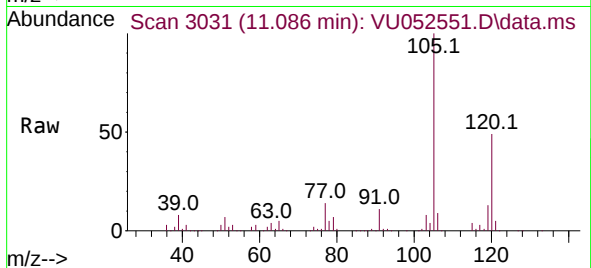
VSTD005117

Tgt Ion:105 Resp: 242449

Ion Ratio Lower Upper

105 100

120 48.8 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 5.069 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052551.D

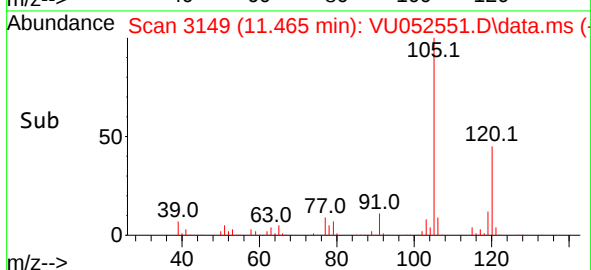
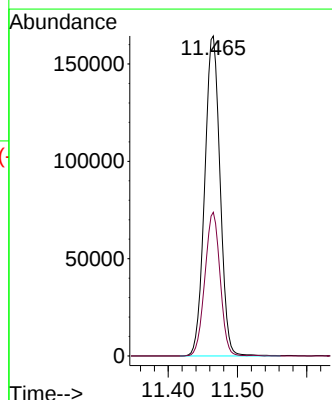
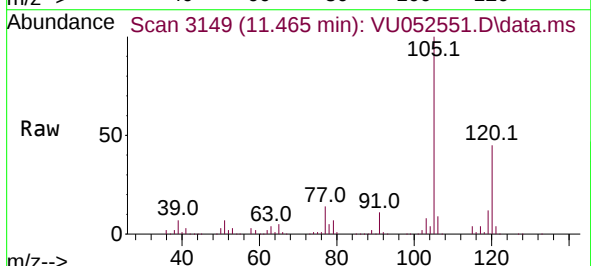
Acq: 23 Dec 2022 20:39

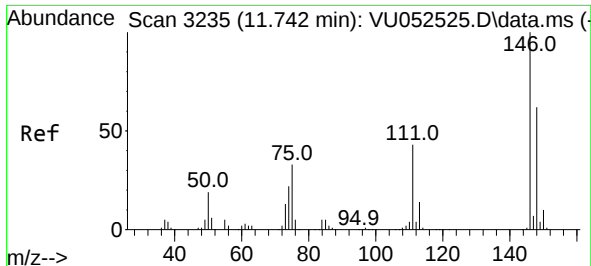
Tgt Ion:105 Resp: 252505

Ion Ratio Lower Upper

105 100

120 44.4 35.6 53.4

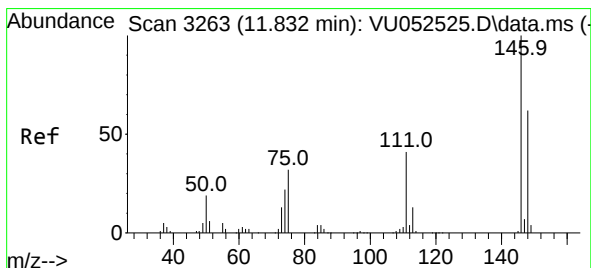
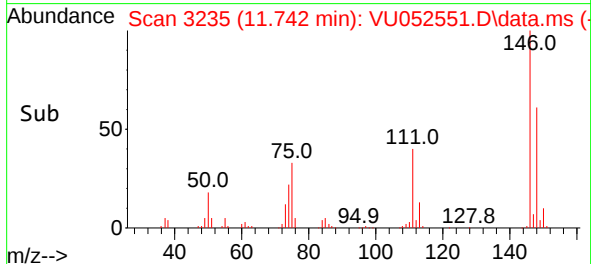
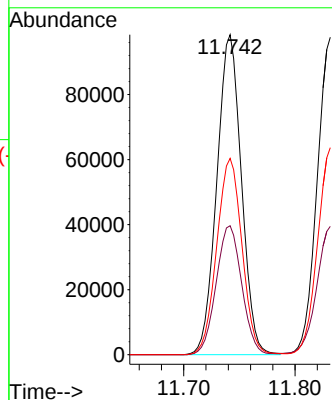
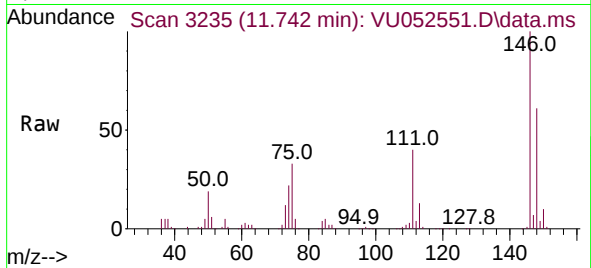




#64
1,3-Dichlorobenzene
Concen: 5.068 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

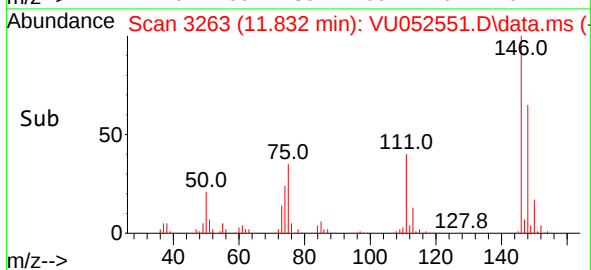
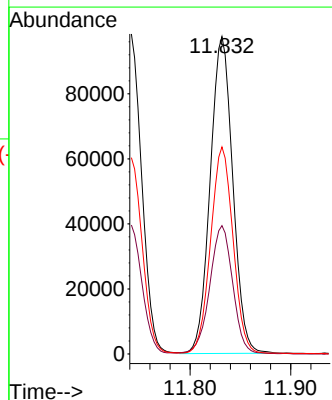
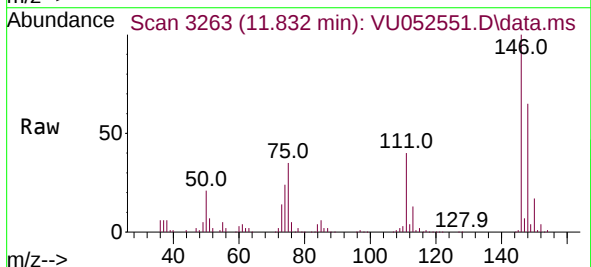
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

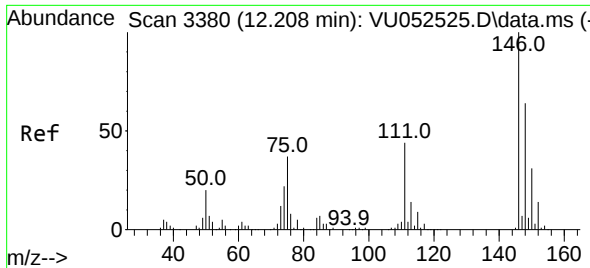
Tgt Ion:146 Resp: 150862
Ion Ratio Lower Upper
146 100
111 40.3 29.9 55.5
148 61.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.936 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion:146 Resp: 151963
Ion Ratio Lower Upper
146 100
111 40.4 27.5 51.1
148 65.2 44.9 83.3

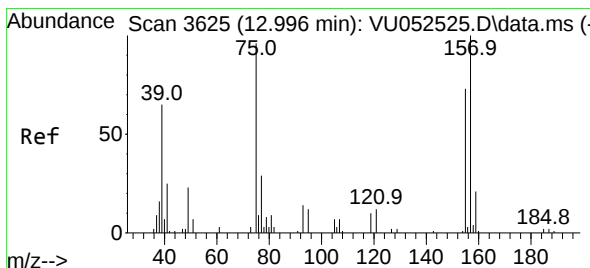
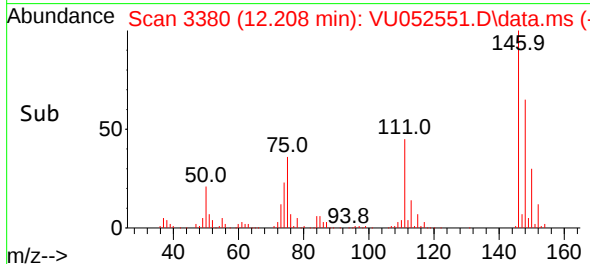
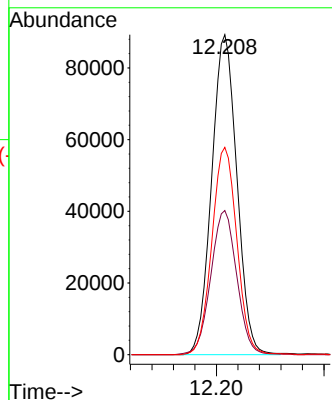
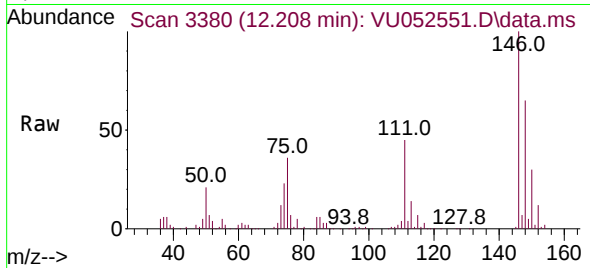




#67
1,2-Dichlorobenzene
Concen: 4.940 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

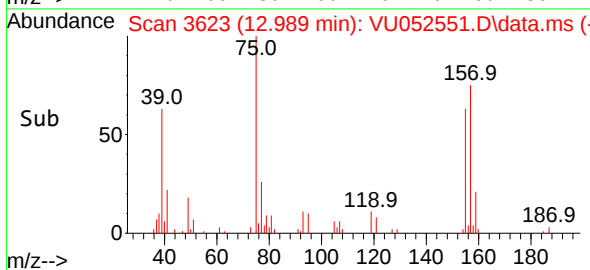
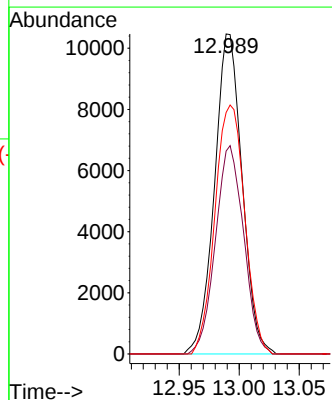
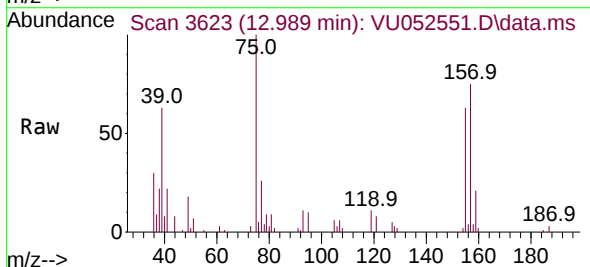
Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

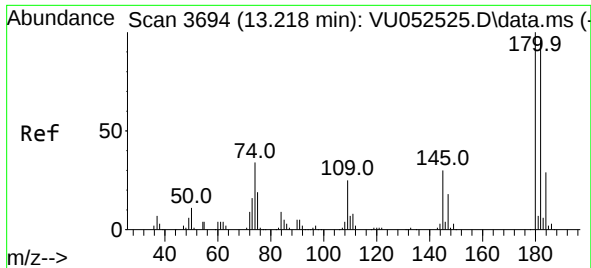
Tgt Ion:146 Resp: 145306
Ion Ratio Lower Upper
146 100
111 45.1 36.6 55.0
148 64.8 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.570 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.007 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion: 75 Resp: 16741
Ion Ratio Lower Upper
75 100
155 63.4 62.2 93.2
157 75.5 73.0 109.4

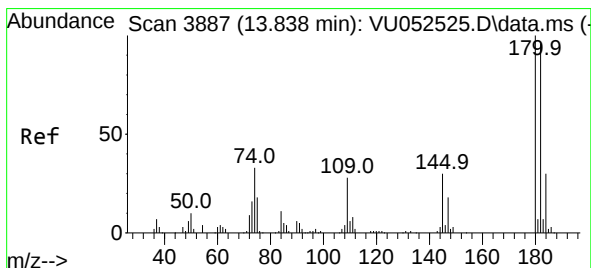
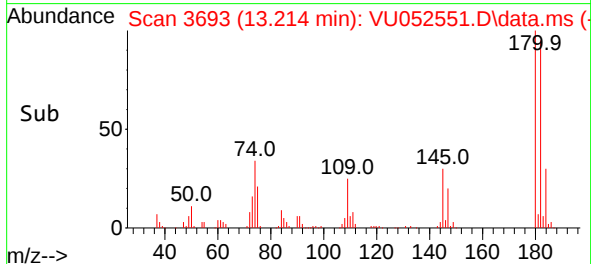
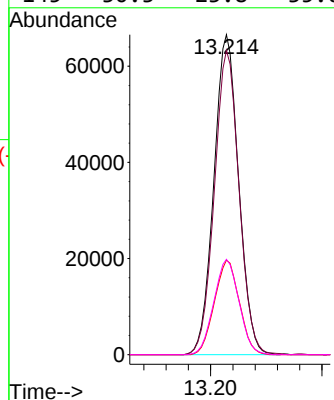
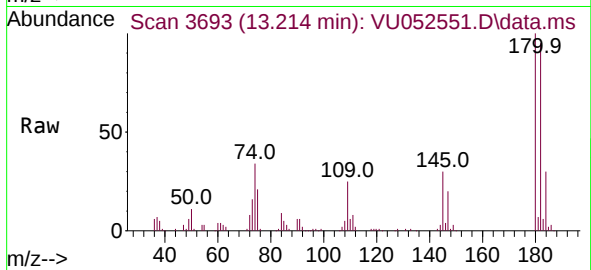




#69
1,3,5-Trichlorobenzene
Concen: 4.680 ug/L
RT: 13.214 min Scan# 3693
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

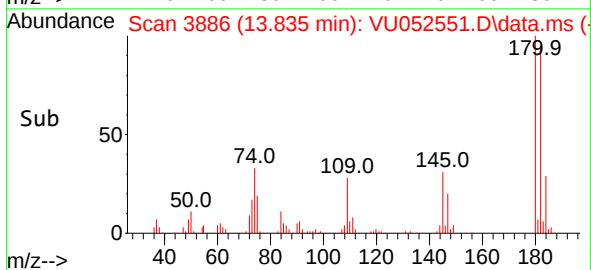
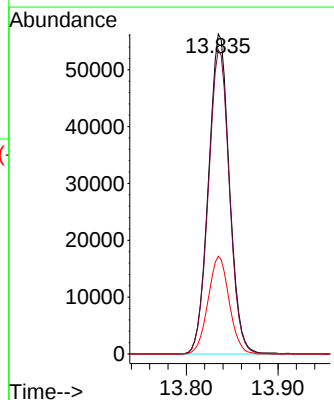
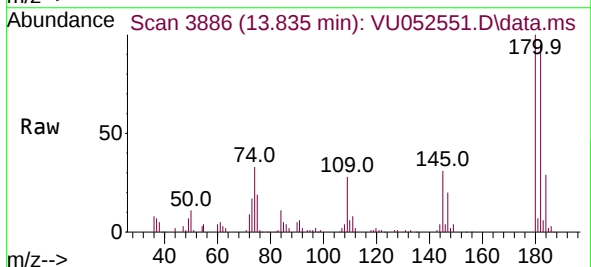
Instrument :
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ClientSampleId :
VSTD005117

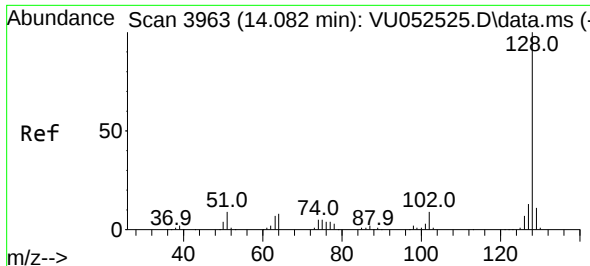
Tgt Ion:180 Resp: 102600
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.8
184 29.7 23.4 35.0
145 30.3 23.8 35.6



#70
1,2,4-trichlorobenzene
Concen: 4.835 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.003 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion:180 Resp: 89189
Ion Ratio Lower Upper
180 100
182 95.5 77.7 116.5
145 30.8 24.0 36.0

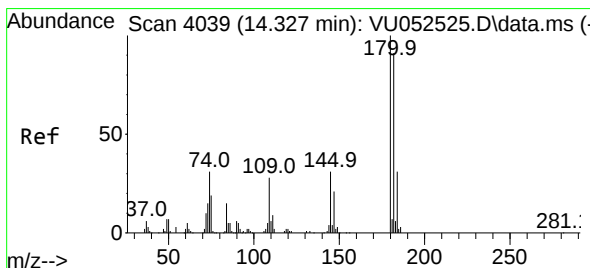
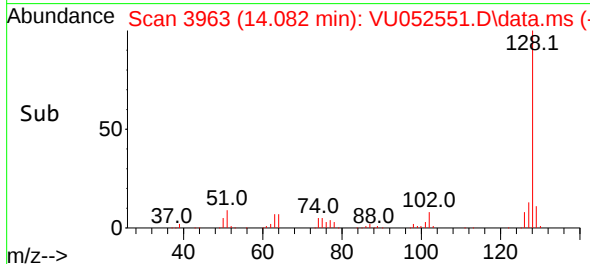
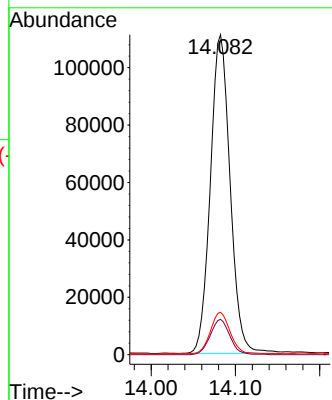
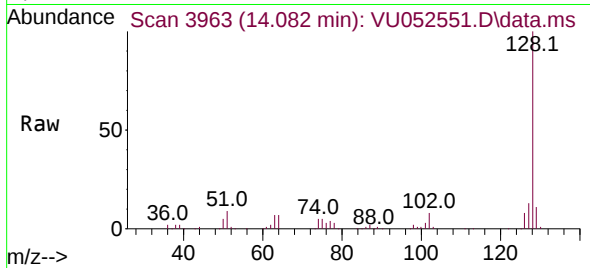




#71
Naphthalene
Concen: 4.851 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD005117

Tgt Ion:128 Resp: 181057
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.7 10.6 16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.786 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052551.D
Acq: 23 Dec 2022 20:39

Tgt Ion:180 Resp: 88498
Ion Ratio Lower Upper
180 100
182 96.2 76.3 114.5
145 33.4 25.8 38.8

