

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
 Data File : VU052581.D
 Acq On : 28 Dec 2022 09:36
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005120

Quant Time: Dec 29 00:21:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	160348	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	151799	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	79378	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	53206	3.275	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.600%
7) Chloroethane-d5	1.916	69	51720	3.692	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	2.568	65	24459	3.499	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.636	46	292886	58.140	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.280%
24) Chloroform-d	5.060	84	120152	4.384	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.700	65	71138	4.475	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
32) Benzene-d6	5.726	84	231808	4.454	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.687	67	81192	4.532	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.600%
41) Toluene-d8	7.896	98	200150	4.581	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	8.176	79	30579	4.985	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.600%
46) 2-Hexanone-d5	8.629	63	209283	62.355	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.720%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81950	5.388	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	73175	4.528	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	67370	4.722	ug/L	100
3) Chloromethane	1.520	50	96084	4.666	ug/L	98
5) Vinyl chloride	1.604	62	85476	4.579	ug/L	97
6) Bromomethane	1.861	94	38747	3.641	ug/L	100
8) Chloroethane	1.938	64	54173	4.237	ug/L	99
9) Trichlorofluoromethane	2.141	101	99422	4.710	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	59311	4.727	ug/L	99
12) 1,1-Dichloroethene	2.581	96	55965	4.660	ug/L	95
13) Acetone	2.658	43	167438	45.087	ug/L	99
14) Carbon disulfide	2.796	76	173684	4.489	ug/L	99
15) Methyl Acetate	2.957	43	41445	5.066	ug/L	95
16) Methylene chloride	3.044	84	72227	4.258	ug/L	96
17) Methyl tert-butyl Ether	3.359	73	165667	5.168	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	58591	4.734	ug/L	100
19) 1,1-Dichloroethane	3.867	63	126555	4.702	ug/L	98
21) 2-Butanone	4.716	43	293415	53.647	ug/L	96
22) cis-1,2-Dichloroethene	4.665	96	66903	4.926	ug/L	100
23) Bromochloromethane	4.970	128	32457	5.156	ug/L	94
25) Chloroform	5.086	83	119891	4.597	ug/L	99

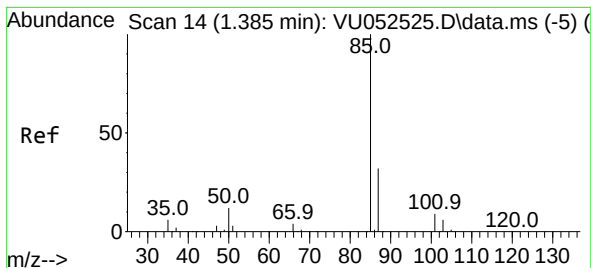
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122822\
 Data File : VU052581.D
 Acq On : 28 Dec 2022 09:36
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005120

Quant Time: Dec 29 00:21:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 28 01:18:16 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	86197	4.784	ug/L	100
29) 1,1,1-Trichloroethane	5.314	97	96497	5.051	ug/L	97
30) Cyclohexane	5.385	56	108065	5.234	ug/L	99
31) Carbon tetrachloride	5.523	117	80905	4.819	ug/L	100
33) Benzene	5.771	78	268310	4.907	ug/L	100
34) Trichloroethene	6.539	95	61310	4.797	ug/L	99
35) Methylcyclohexane	6.761	83	98621	5.117	ug/L	98
37) 1,2-Dichloropropane	6.787	63	77725	5.094	ug/L	98
38) Bromodichloromethane	7.102	83	88624	4.772	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	94864	4.909	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	662772	59.445	ug/L	97
42) Toluene	7.967	91	267753	5.107	ug/L	100
44) trans-1,3-Dichloropropene	8.208	75	88039	5.170	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	55360	5.123	ug/L	98
47) Tetrachloroethene	8.552	164	43475	4.873	ug/L	97
48) 2-Hexanone	8.681	43	491464	58.478	ug/L	99
49) Dibromochloromethane	8.806	129	61394	5.365	ug/L	97
50) 1,2-Dibromoethane	8.918	107	52207	5.315	ug/L	98
51) Chlorobenzene	9.443	112	166292	4.967	ug/L	99
52) Ethylbenzene	9.568	91	270613	4.988	ug/L	98
53) m,p-Xylene	9.690	106	104771	5.237	ug/L	94
54) o-Xylene	10.095	106	99424	5.184	ug/L	97
55) Styrene	10.111	104	176336	5.285	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	82682	5.535	ug/L	99
59) Bromoform	10.288	173	35532	5.095	ug/L	98
60) Isopropylbenzene	10.481	105	265588	5.162	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	58835	5.168	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	204099	4.810	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	208554	4.882	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	123346	4.832	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	125407	4.750	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	121098	4.801	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	13549	5.258	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	84093	4.474	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	70942	4.485	ug/L	98
71) Naphthalene	14.082	128	151520	4.735	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	71646	4.519	ug/L	98

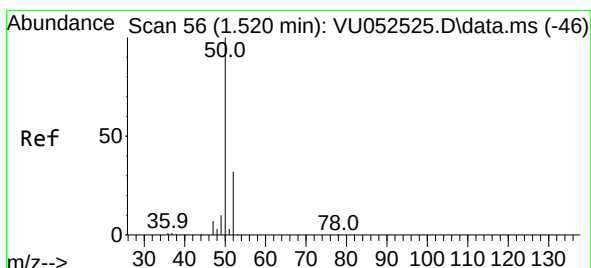
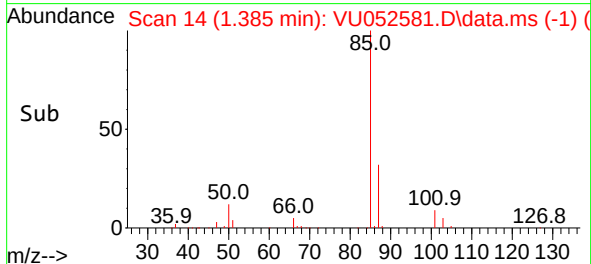
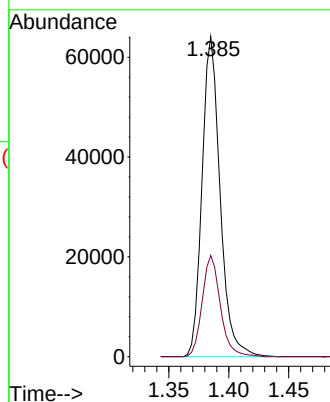
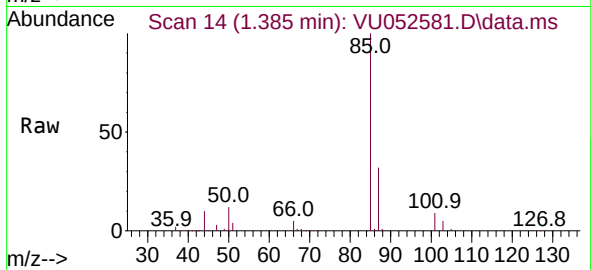
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.722 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

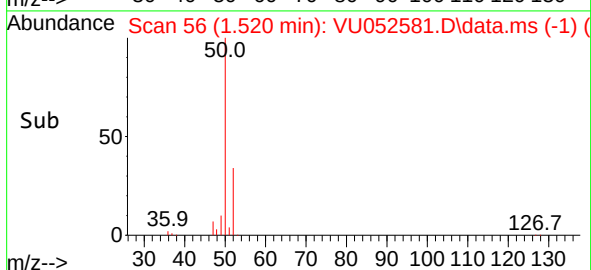
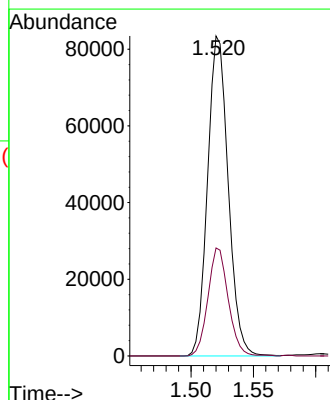
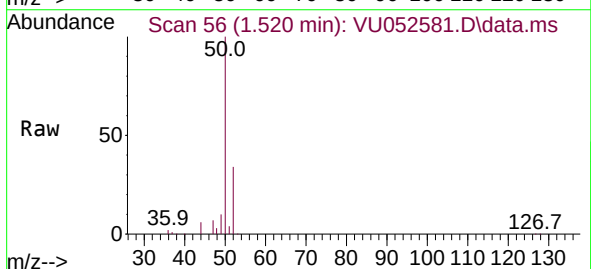
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

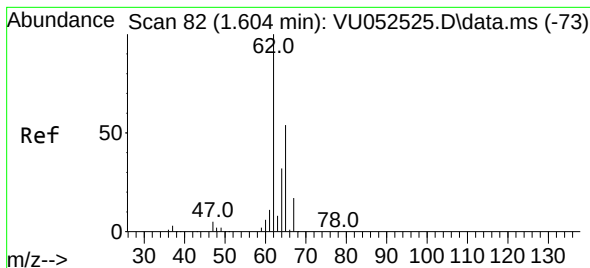
Tgt Ion: 85 Resp: 67370
Ion Ratio Lower Upper
85 100
87 31.8 25.6 38.4



#3
Chloromethane
Concen: 4.666 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 50 Resp: 96084
Ion Ratio Lower Upper
50 100
52 33.7 23.0 42.6





#5

Vinyl chloride

Concen: 4.579 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.003 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

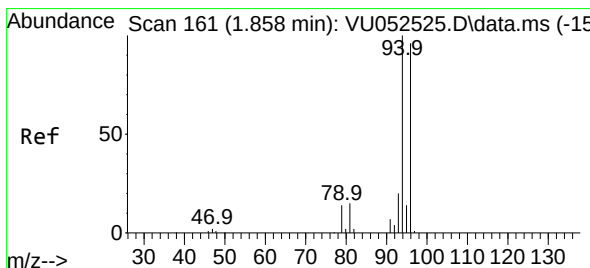
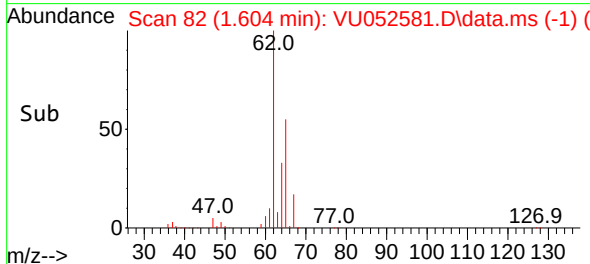
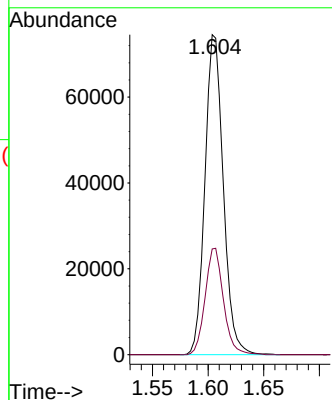
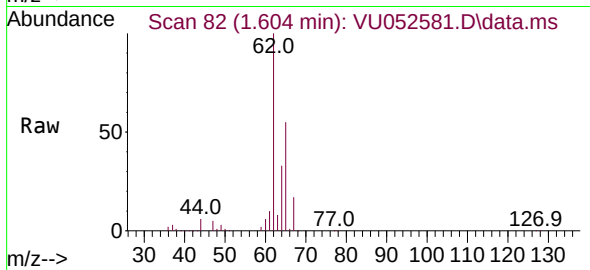
VSTD005120

Tgt Ion: 62 Resp: 85476

Ion Ratio Lower Upper

62 100

64 33.0 24.4 45.4



#6

Bromomethane

Concen: 3.641 ug/L

RT: 1.861 min Scan# 162

Delta R.T. -0.000 min

Lab File: VU052581.D

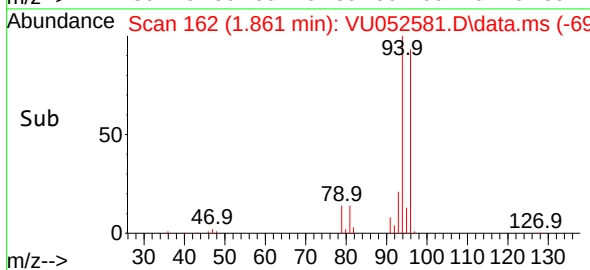
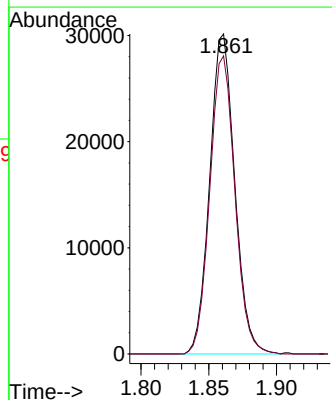
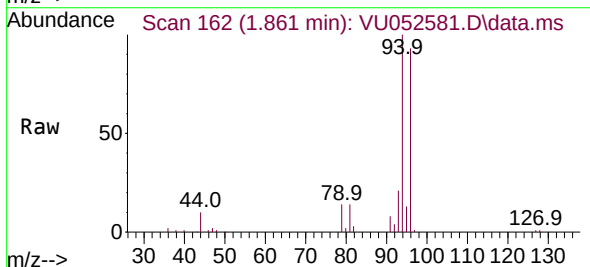
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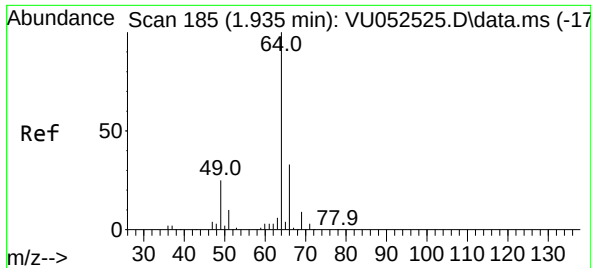
Tgt Ion: 94 Resp: 38747

Ion Ratio Lower Upper

94 100

96 93.2 65.0 120.8





#8

Chloroethane

Concen: 4.237 ug/L

RT: 1.938 min Scan# 186

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

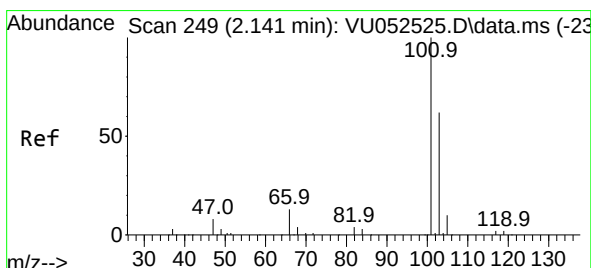
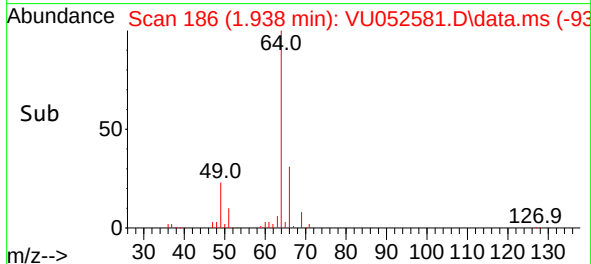
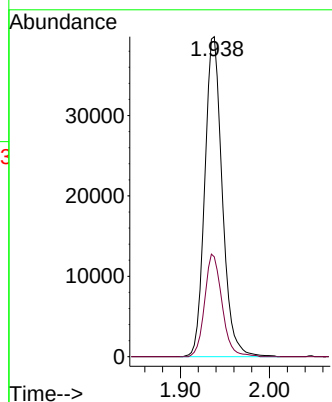
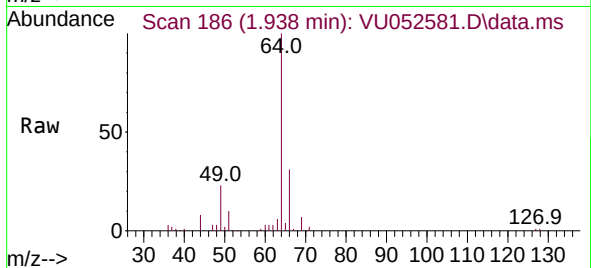
VSTD005120

Tgt Ion: 64 Resp: 54173

Ion Ratio Lower Upper

64 100

66 31.2 21.3 39.5



#9

Trichlorofluoromethane

Concen: 4.710 ug/L

RT: 2.141 min Scan# 249

Delta R.T. -0.000 min

Lab File: VU052581.D

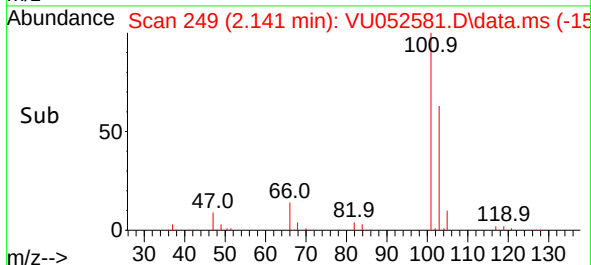
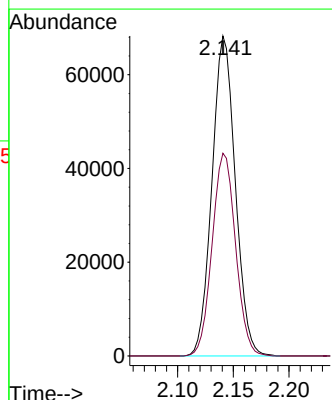
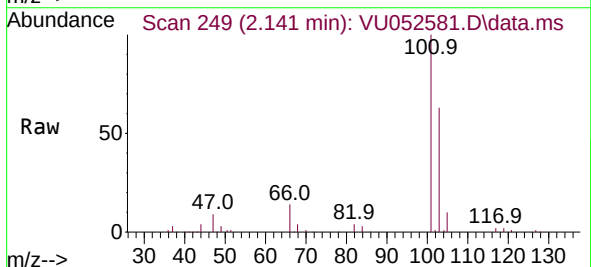
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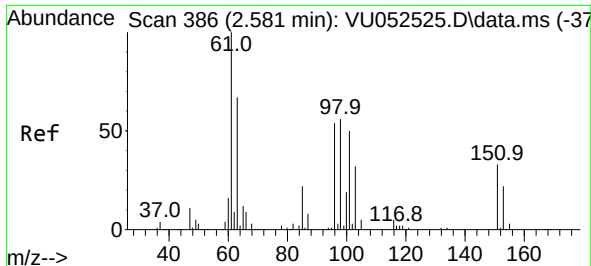
Tgt Ion:101 Resp: 99422

Ion Ratio Lower Upper

101 100

103 63.6 52.0 78.0

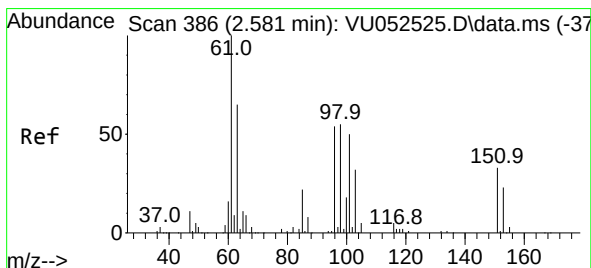
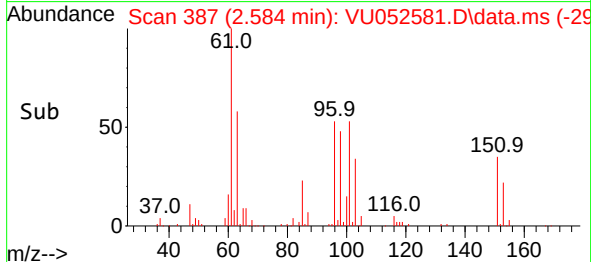
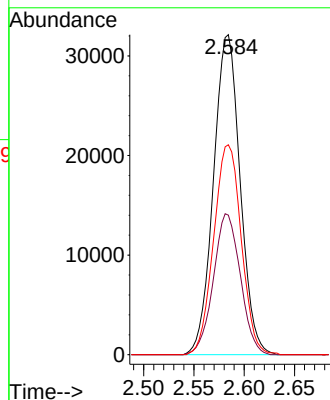
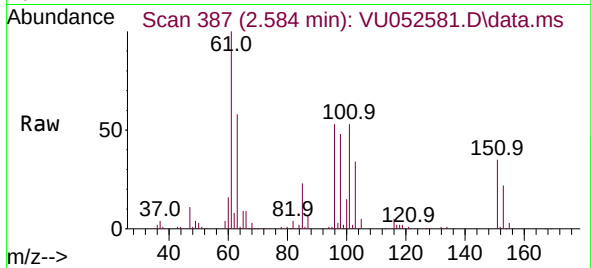




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.727 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

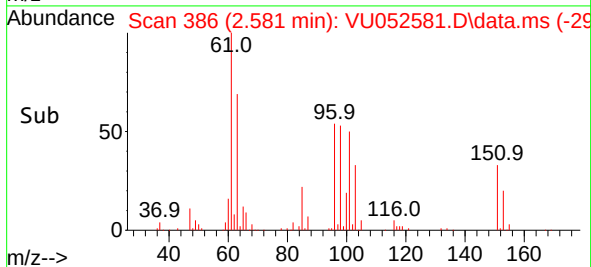
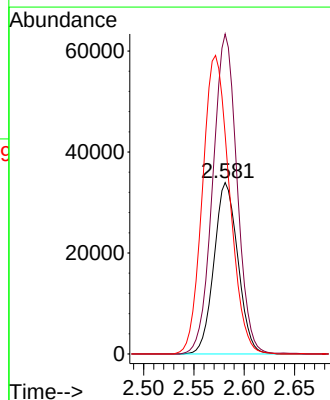
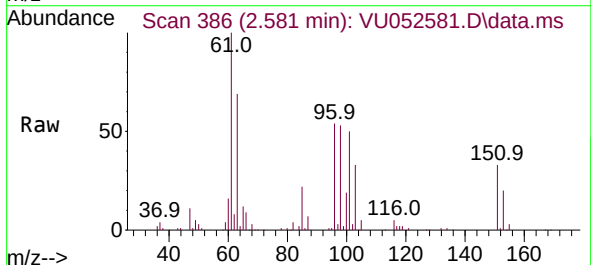
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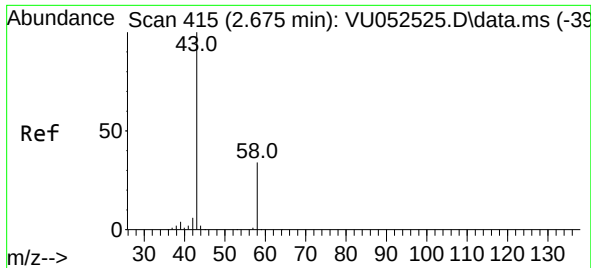
Tgt Ion:101 Resp: 59311
Ion Ratio Lower Upper
101 100
85 44.5 35.8 53.6
151 67.8 53.6 80.4



#12
1,1-Dichloroethene
Concen: 4.660 ug/L
RT: 2.581 min Scan# 386
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 96 Resp: 55965
Ion Ratio Lower Upper
96 100
61 186.8 135.4 251.4
63 128.0 95.4 177.2





#13

Acetone

Concen: 45.087 ug/L

RT: 2.658 min Scan# 415

Delta R.T. -0.006 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

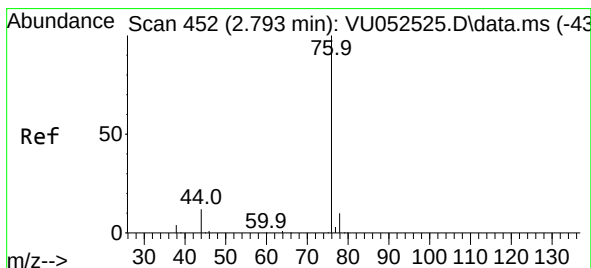
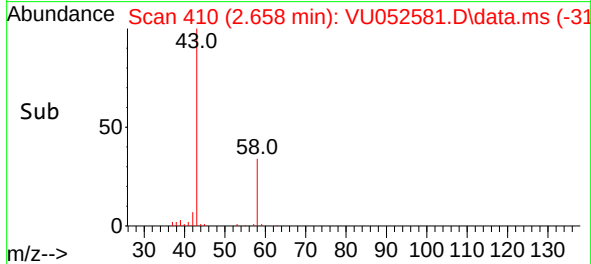
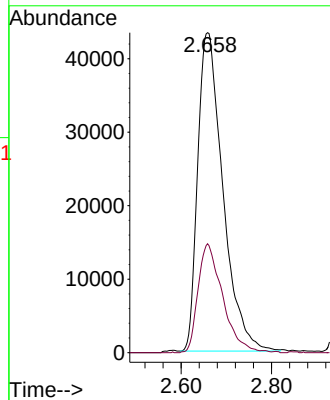
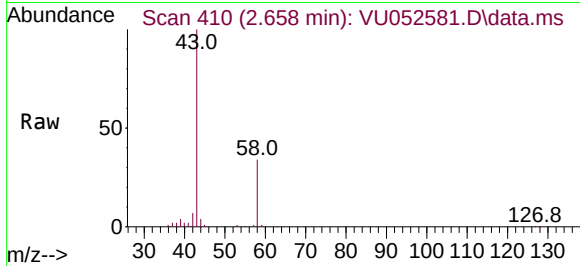
VSTD005120

Tgt Ion: 43 Resp: 167438

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.4



#14

Carbon disulfide

Concen: 4.489 ug/L

RT: 2.796 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052581.D

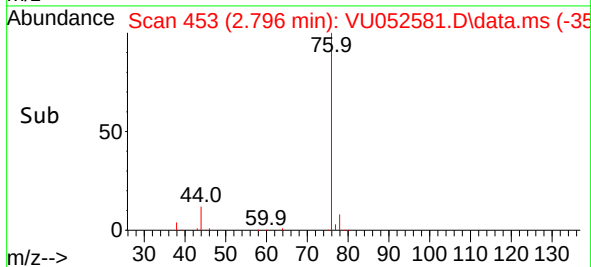
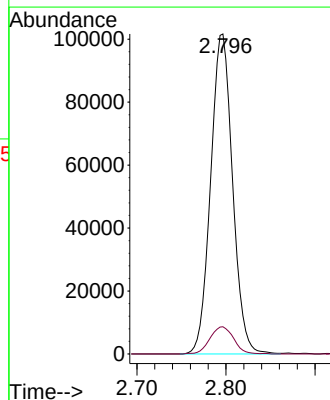
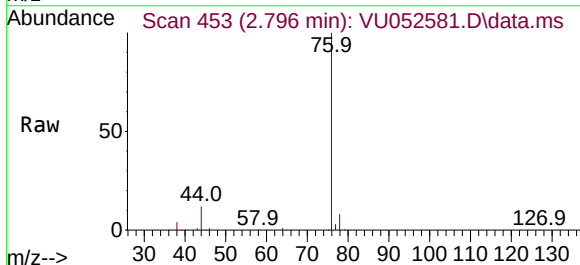
Acq: 28 Dec 2022 09:36

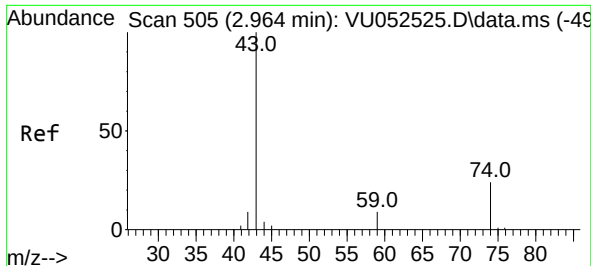
Tgt Ion: 76 Resp: 173684

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

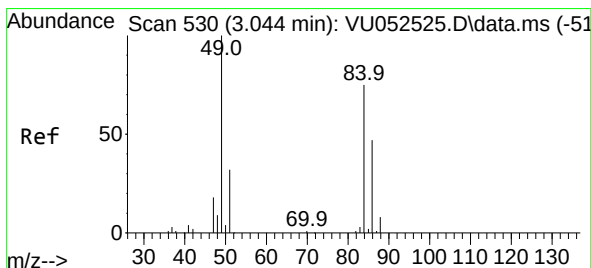
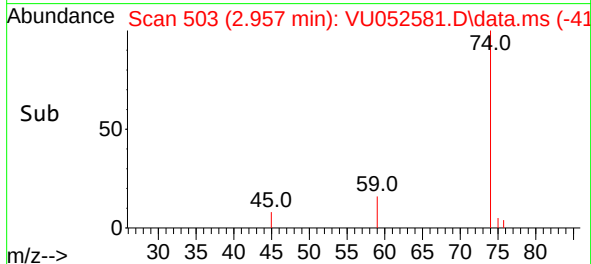
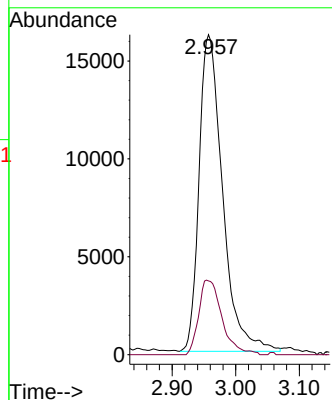
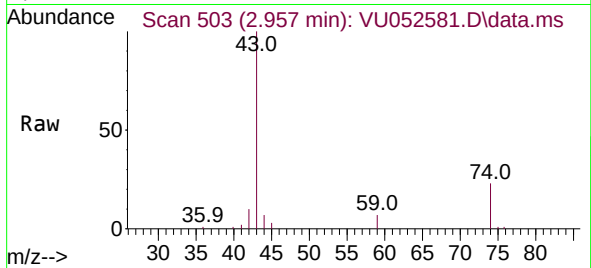




#15
Methyl Acetate
Concen: 5.066 ug/L
RT: 2.957 min Scan# 503
Delta R.T. -0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

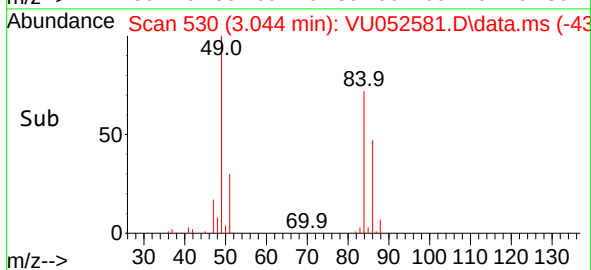
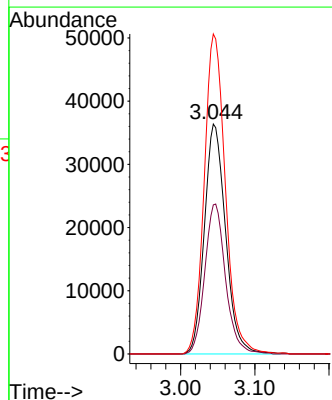
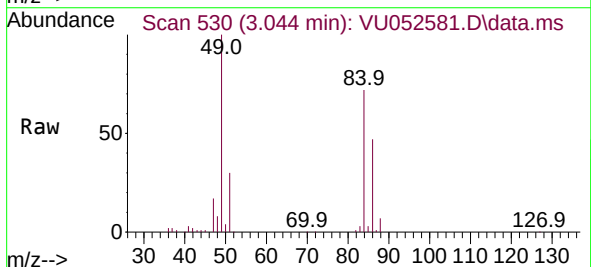
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

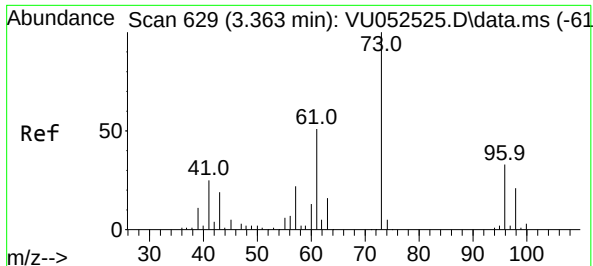
Tgt Ion: 43 Resp: 41445
Ion Ratio Lower Upper
43 100
74 23.3 16.9 25.3



#16
Methylene chloride
Concen: 4.258 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 84 Resp: 72227
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 139.2 93.3 173.3





#17

Methyl tert-butyl Ether

Concen: 5.168 ug/L

RT: 3.359 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005120

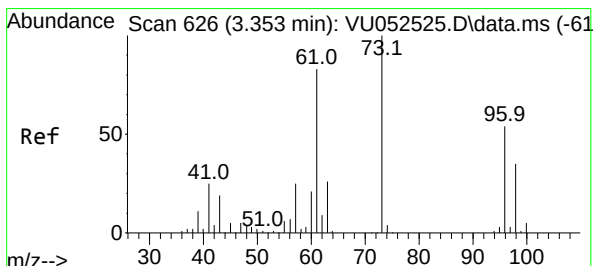
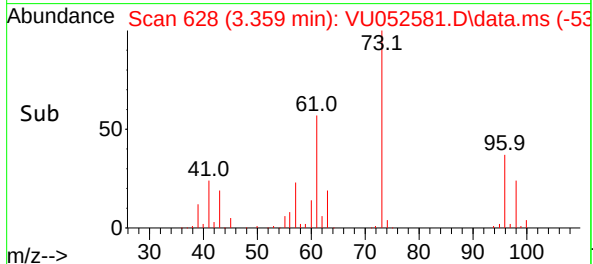
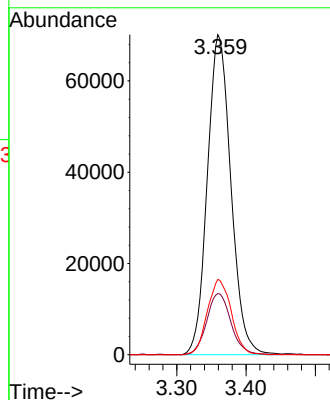
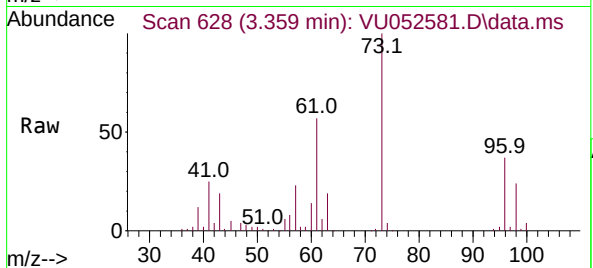
Tgt Ion: 73 Resp: 165667

Ion Ratio Lower Upper

73 100

43 19.7 16.1 24.1

57 23.9 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 4.734 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

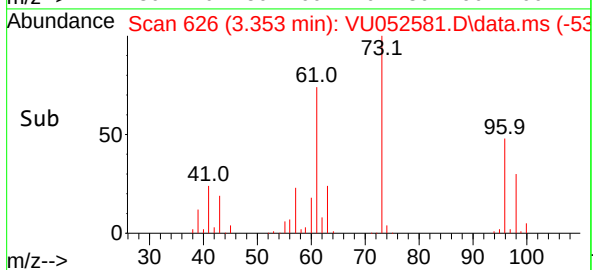
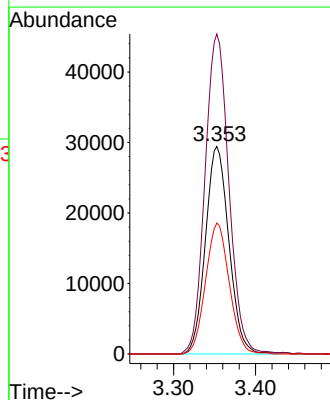
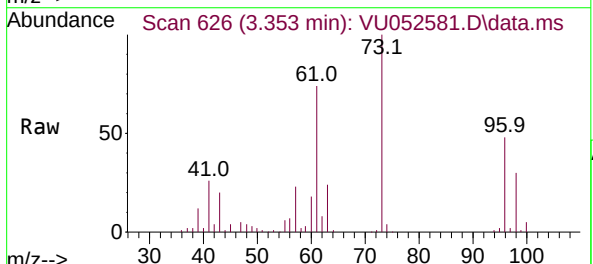
Tgt Ion: 96 Resp: 58591

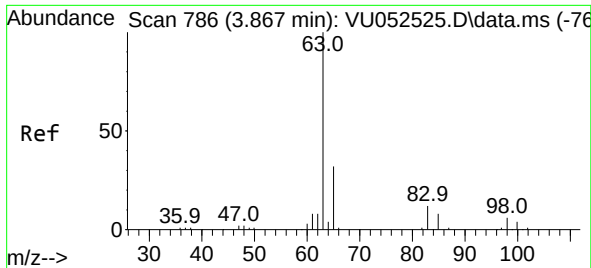
Ion Ratio Lower Upper

96 100

61 154.1 108.3 201.1

98 63.1 44.0 81.6

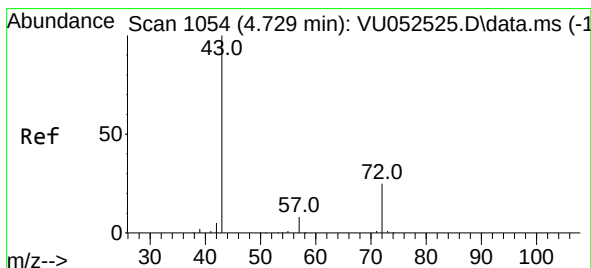
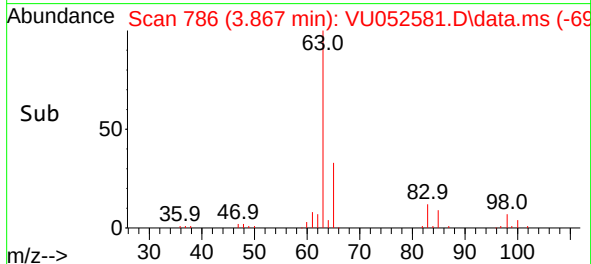
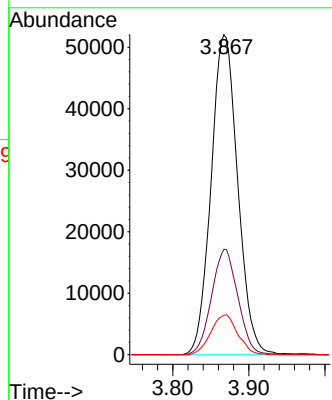
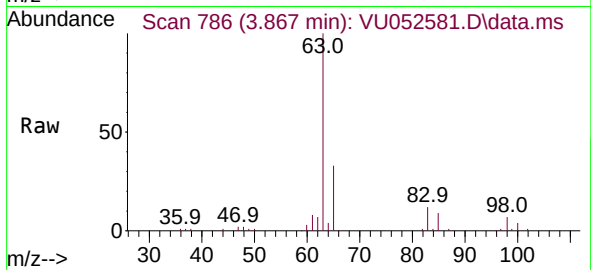




#19
1,1-Dichloroethane
Concen: 4.702 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

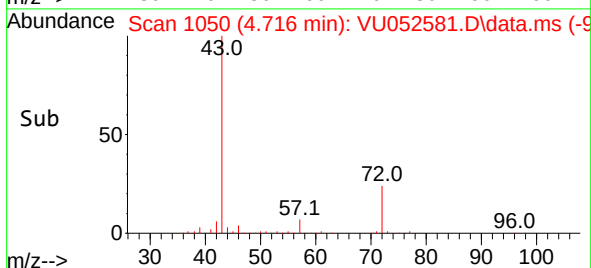
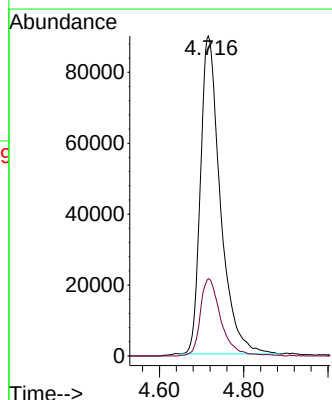
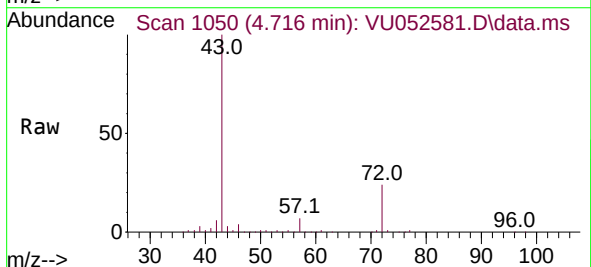
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

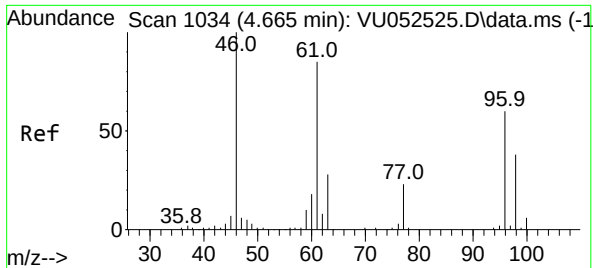
Tgt Ion: 63 Resp: 126555
Ion Ratio Lower Upper
63 100
65 33.0 22.0 40.8
83 12.3 9.0 16.8



#21
2-Butanone
Concen: 53.647 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. -0.006 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 43 Resp: 293415
Ion Ratio Lower Upper
43 100
72 25.0 11.6 34.7

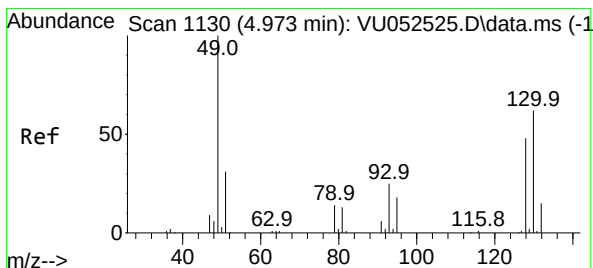
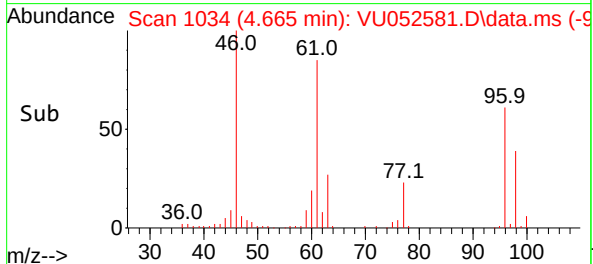
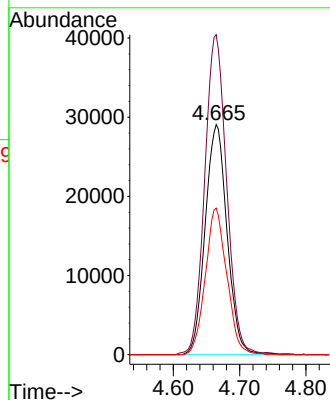
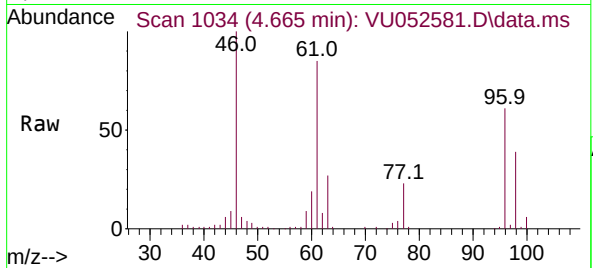




#22
 cis-1,2-Dichloroethene
 Concen: 4.926 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.000 min
 Lab File: VU052581.D
 Acq: 28 Dec 2022 09:36

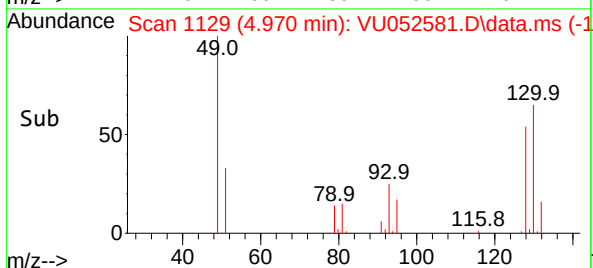
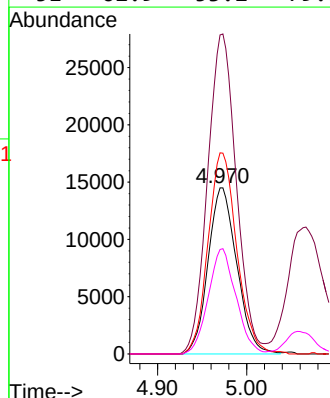
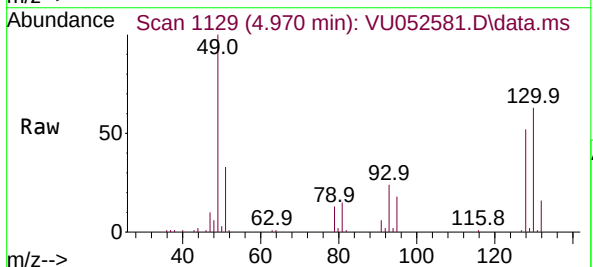
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005120

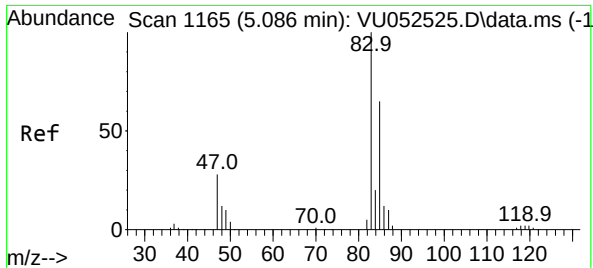
Tgt Ion: 96 Resp: 66903
 Ion Ratio Lower Upper
 96 100
 61 139.1 96.9 180.1
 98 63.7 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.156 ug/L
 RT: 4.970 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VU052581.D
 Acq: 28 Dec 2022 09:36

Tgt Ion:128 Resp: 32457
 Ion Ratio Lower Upper
 128 100
 49 192.1 143.3 266.1
 130 121.0 88.4 164.2
 51 62.9 53.2 79.8





#25

Chloroform

Concen: 4.597 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

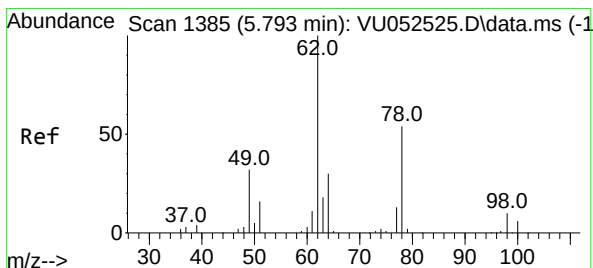
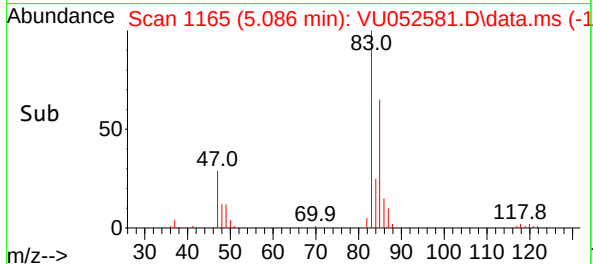
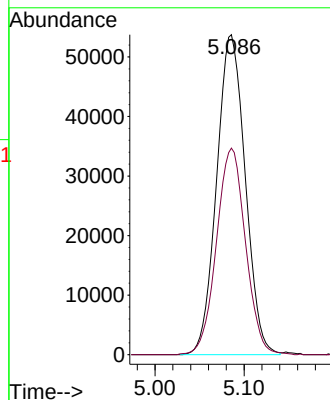
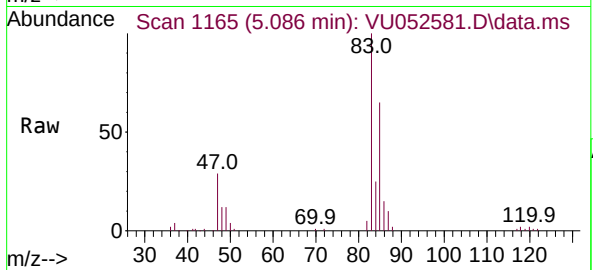
VSTD005120

Tgt Ion: 83 Resp: 119891

Ion Ratio Lower Upper

83 100

85 64.5 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.784 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VU052581.D

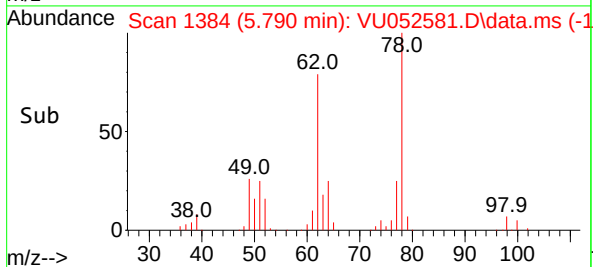
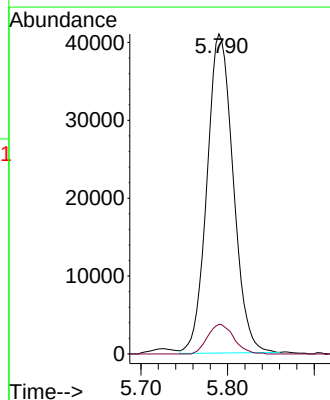
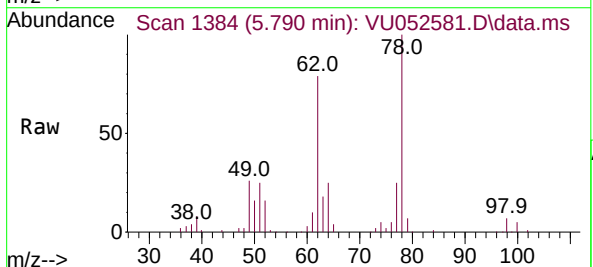
Acq: 28 Dec 2022 09:36

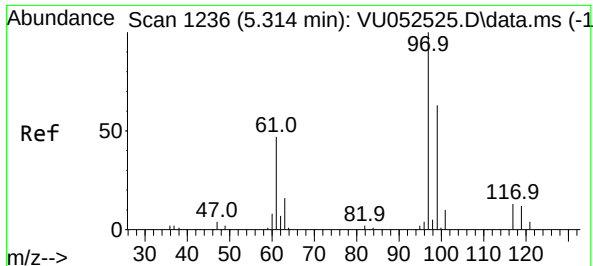
Tgt Ion: 62 Resp: 86197

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.051 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005120

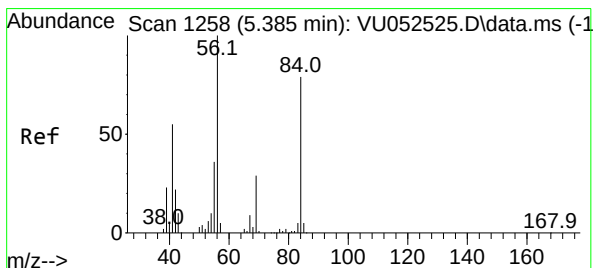
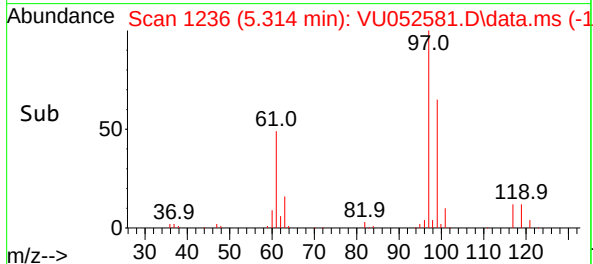
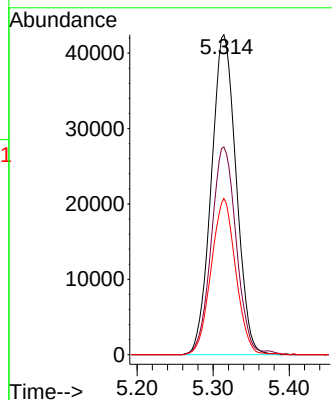
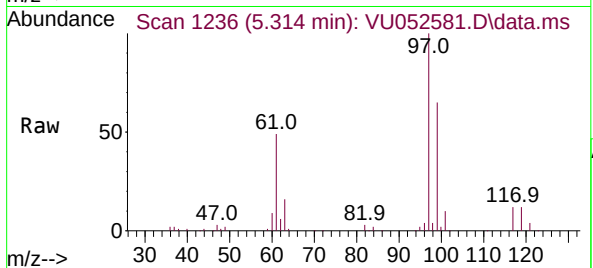
Tgt Ion: 97 Resp: 96497

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.2

61 48.2 41.6 62.4



#30

Cyclohexane

Concen: 5.234 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

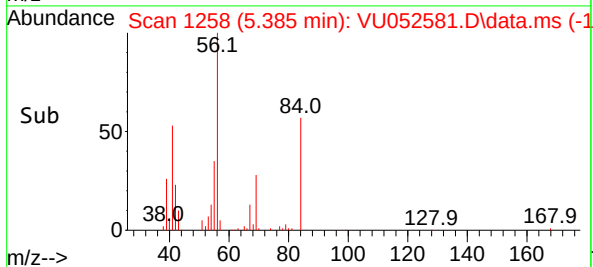
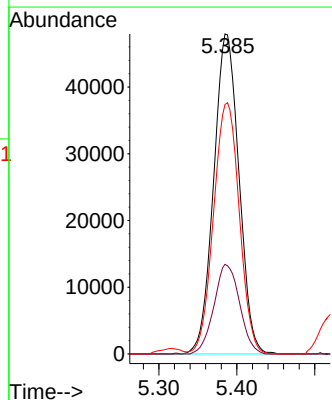
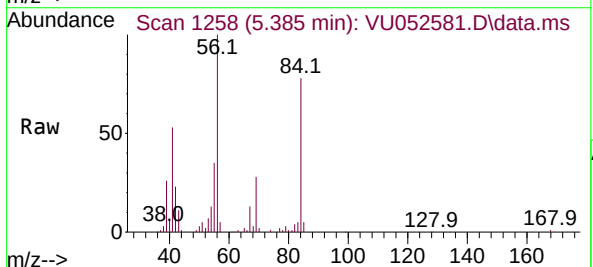
Tgt Ion: 56 Resp: 108065

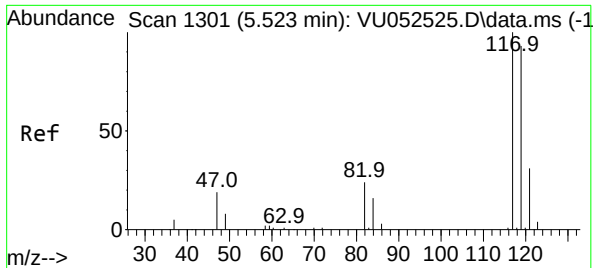
Ion Ratio Lower Upper

56 100

69 28.4 23.0 34.6

84 80.0 64.4 96.6

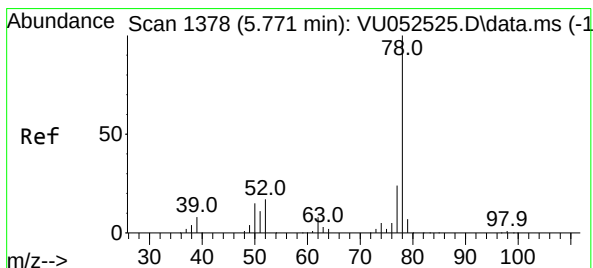
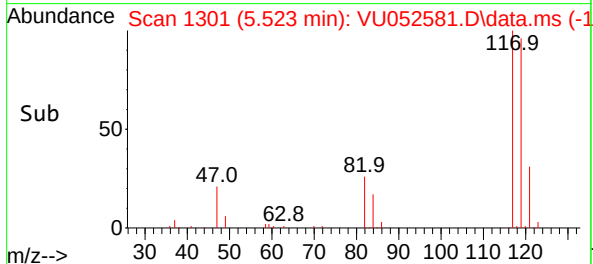
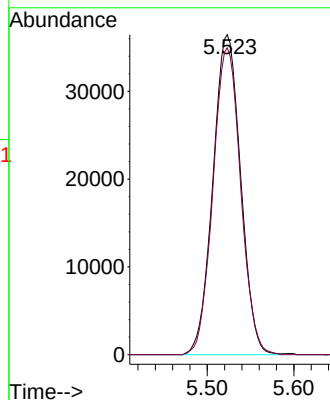
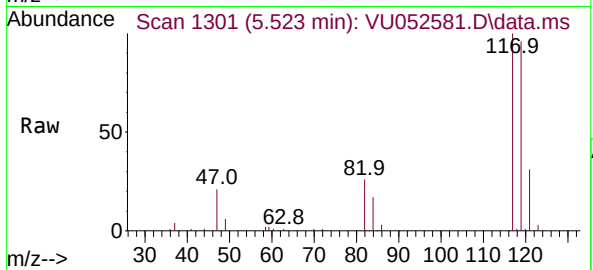




#31
Carbon tetrachloride
Concen: 4.819 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

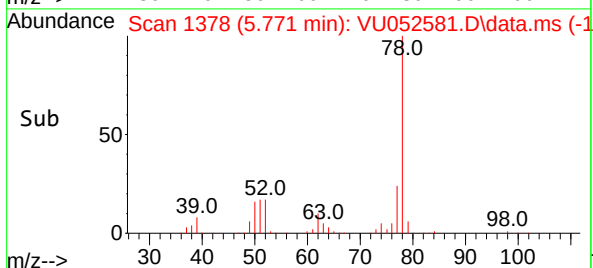
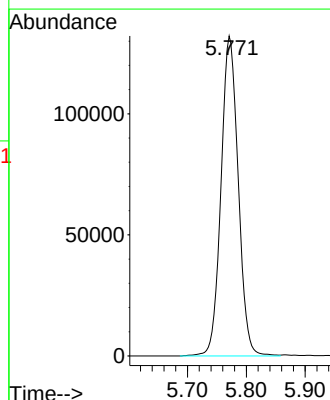
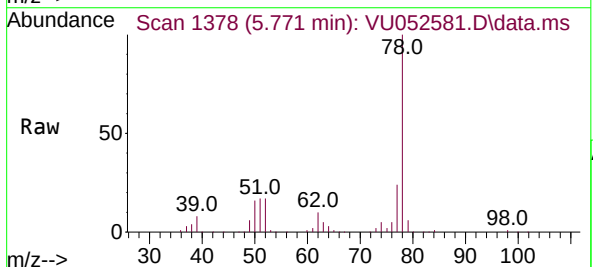
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

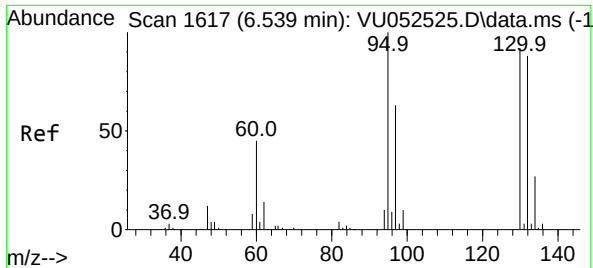
Tgt Ion:117 Resp: 80905
Ion Ratio Lower Upper
117 100
119 95.9 76.3 114.5



#33
Benzene
Concen: 4.907 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 78 Resp: 268310

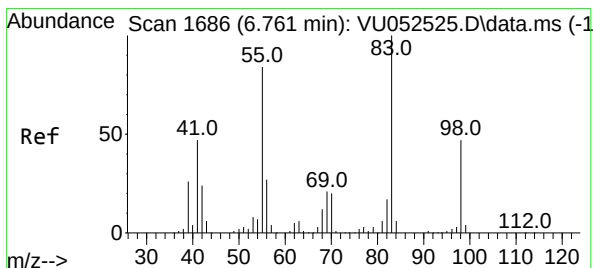
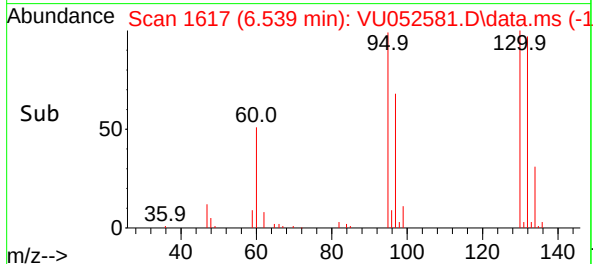
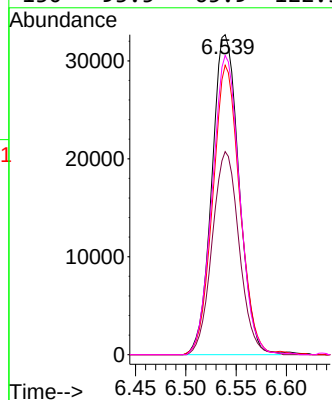
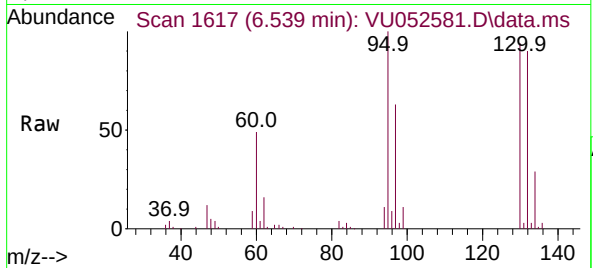




#34
Trichloroethene
Concen: 4.797 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

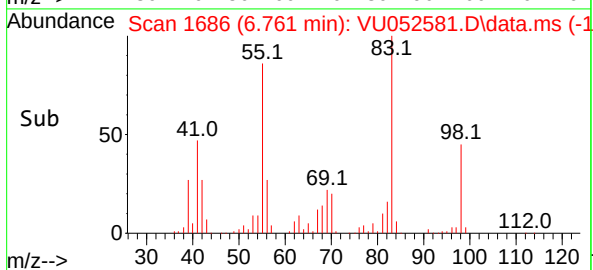
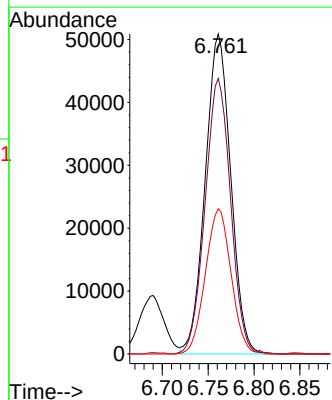
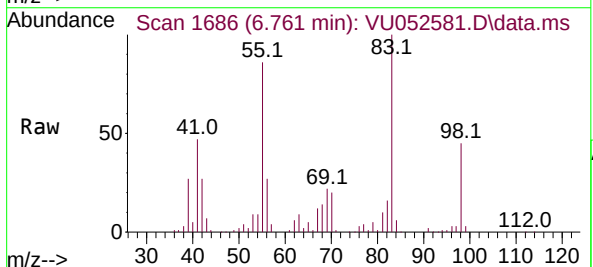
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

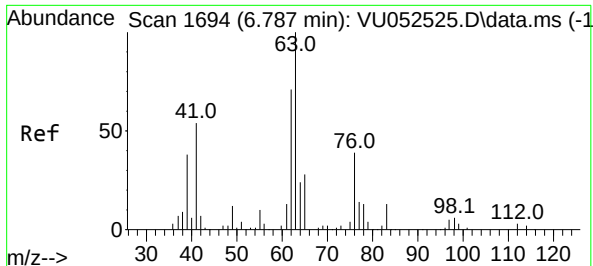
Tgt Ion: 95 Resp: 61310
Ion Ratio Lower Upper
95 100
97 63.5 46.3 86.1
132 90.5 63.9 118.7
130 93.5 65.9 122.5



#35
Methylcyclohexane
Concen: 5.117 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 83 Resp: 98621
Ion Ratio Lower Upper
83 100
55 86.1 71.4 107.0
98 45.5 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.094 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

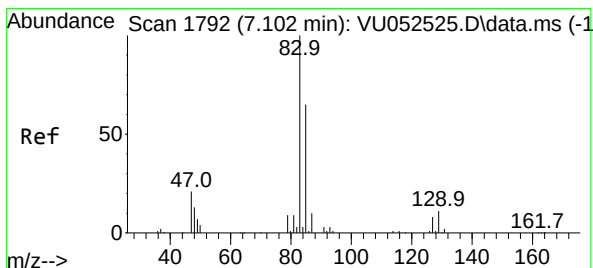
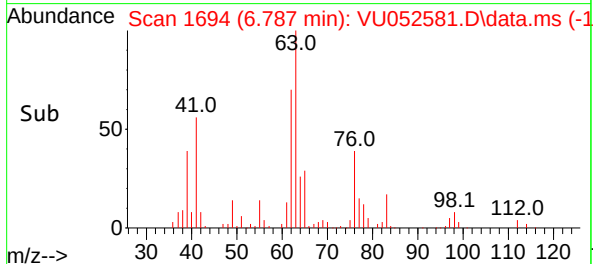
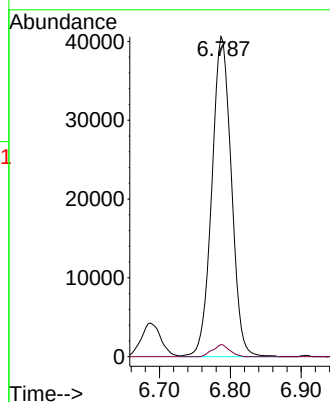
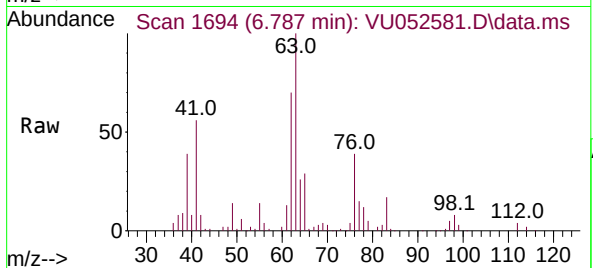
VSTD005120

Tgt Ion: 63 Resp: 77725

Ion Ratio Lower Upper

63 100

112 3.3 3.0 4.6



#38

Bromodichloromethane

Concen: 4.772 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

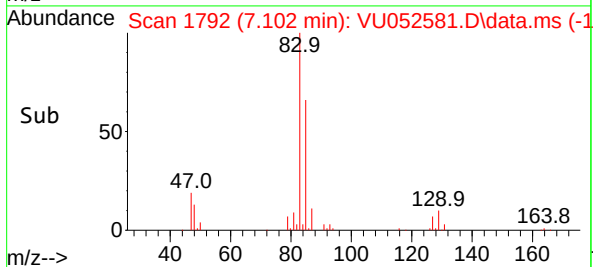
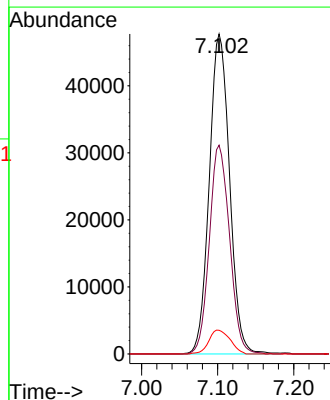
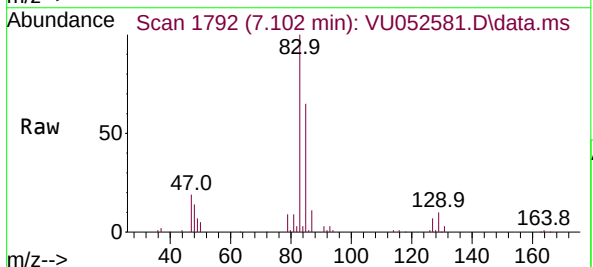
Tgt Ion: 83 Resp: 88624

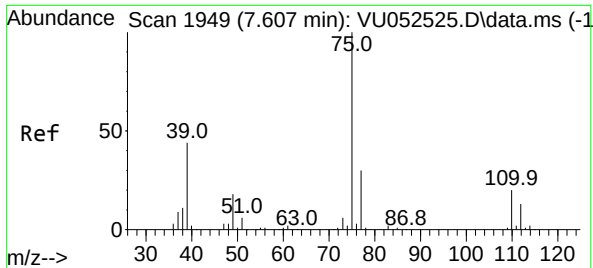
Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

127 7.4 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.909 ug/L

RT: 7.603 min Scan# 1949

Delta R.T. -0.003 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

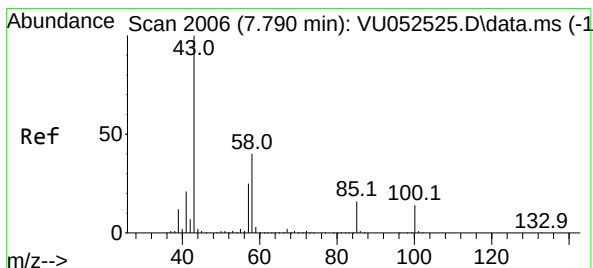
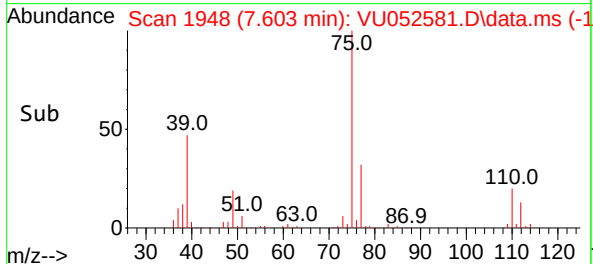
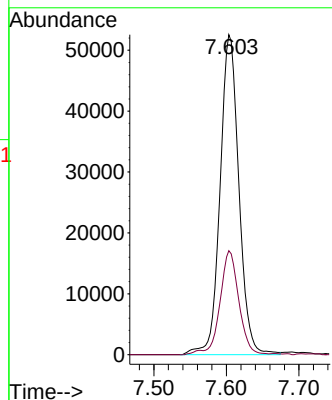
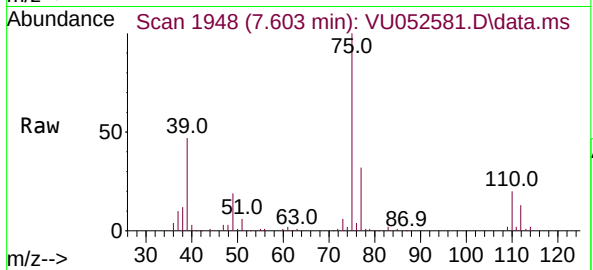
VSTD005120

Tgt Ion: 75 Resp: 94864

Ion Ratio Lower Upper

75 100

77 32.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 59.445 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

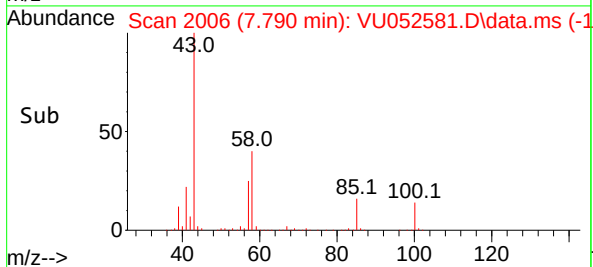
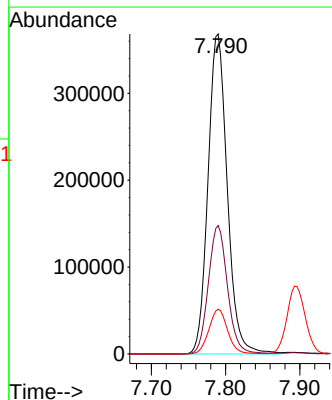
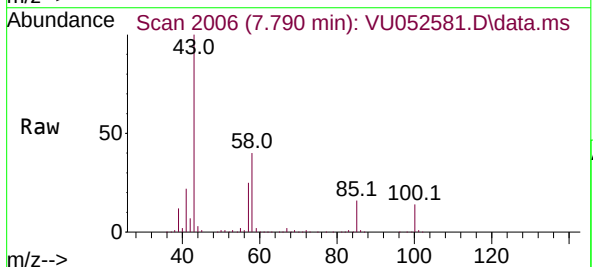
Tgt Ion: 43 Resp: 662772

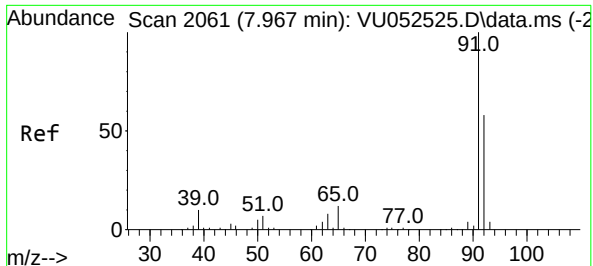
Ion Ratio Lower Upper

43 100

58 40.0 30.6 45.8

100 13.7 10.4 15.6





#42

Toluene

Concen: 5.107 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

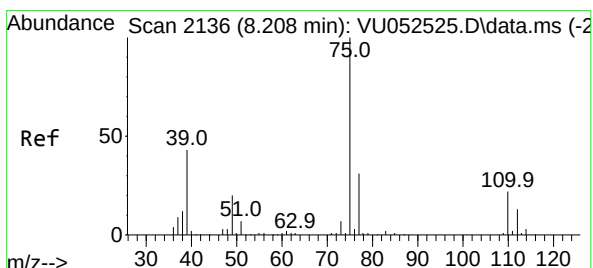
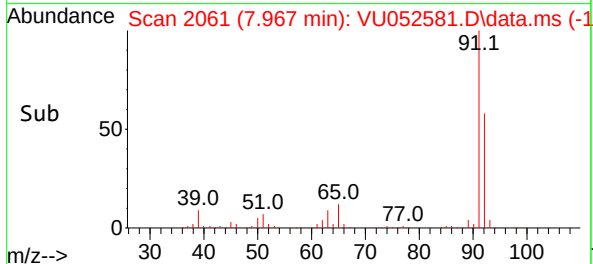
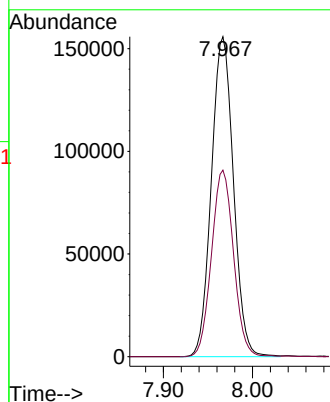
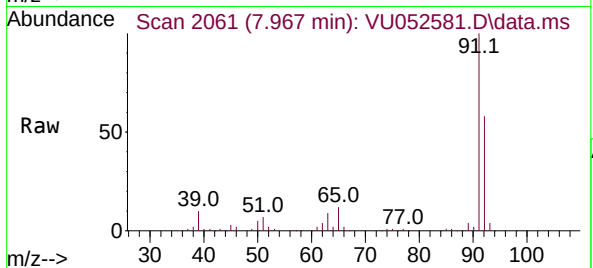
VSTD005120

Tgt Ion: 91 Resp: 267753

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.170 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU052581.D

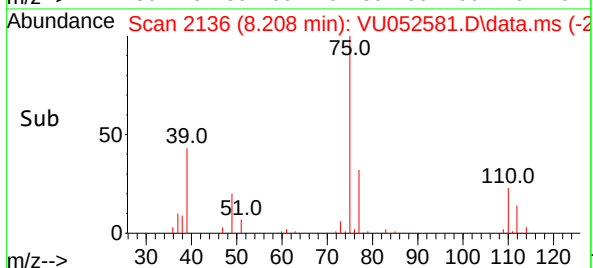
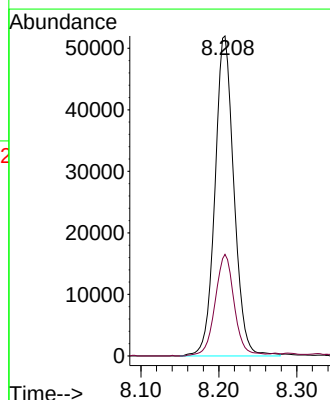
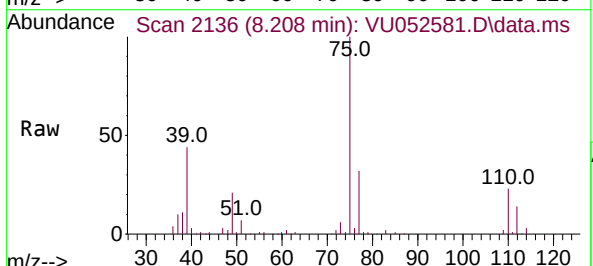
Acq: 28 Dec 2022 09:36

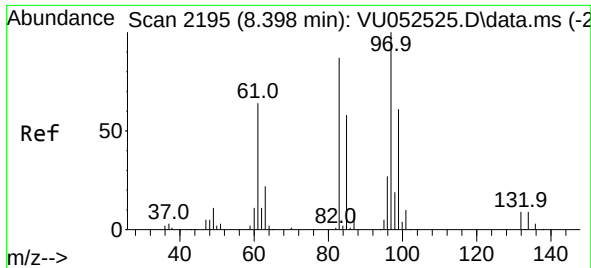
Tgt Ion: 75 Resp: 88039

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4



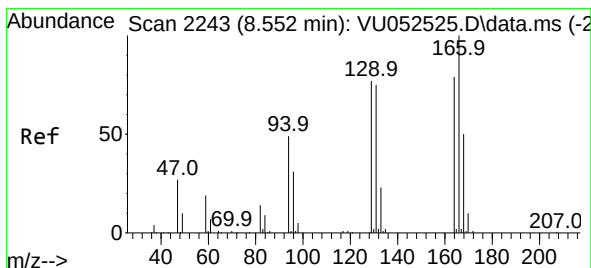
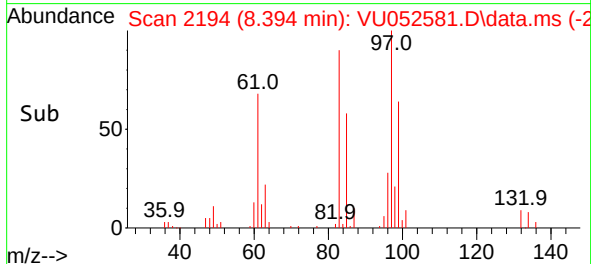
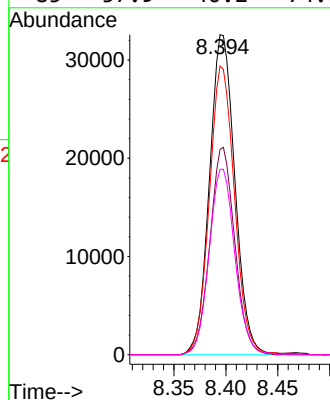
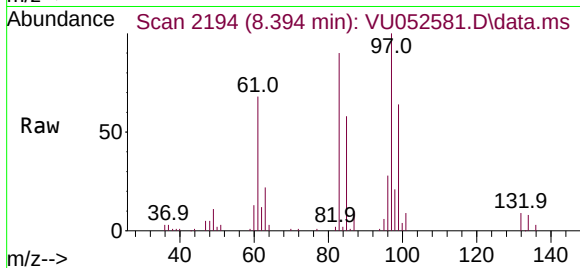


#45
1,1,2-Trichloroethane
Concen: 5.123 ug/L
RT: 8.394 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

Tgt Ion: 97 Resp: 55360

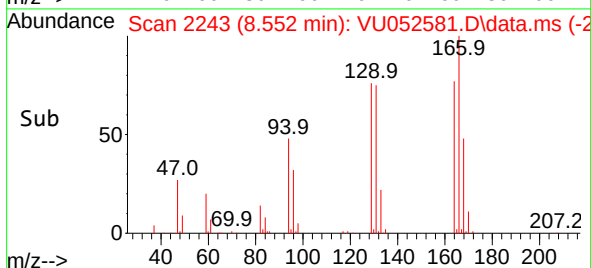
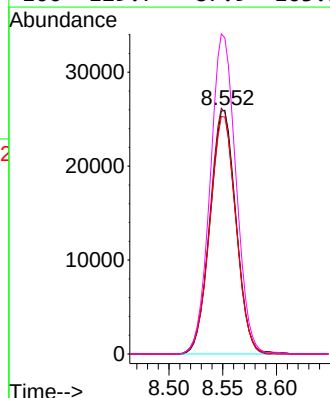
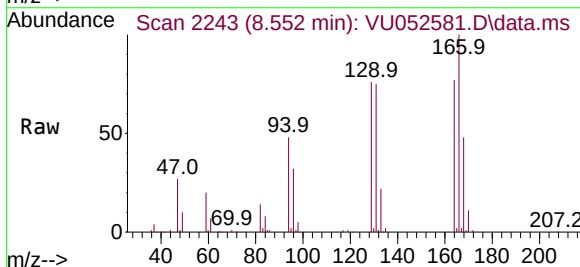
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.0	78.0
83	90.2	63.2	117.4
85	57.9	40.2	74.6

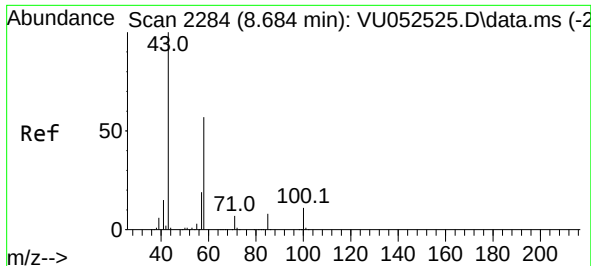


#47
Tetrachloroethene
Concen: 4.873 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 164 Resp: 43475

Ion	Ratio	Lower	Upper
164	100		
129	99.2	68.1	126.5
131	97.2	66.5	123.5
166	129.7	87.9	163.3

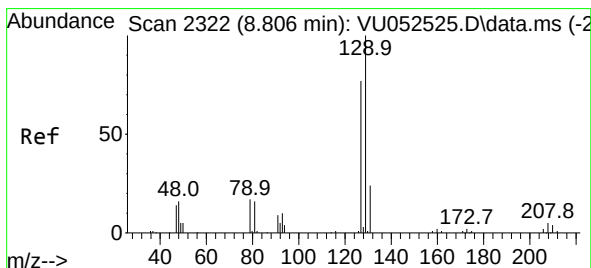
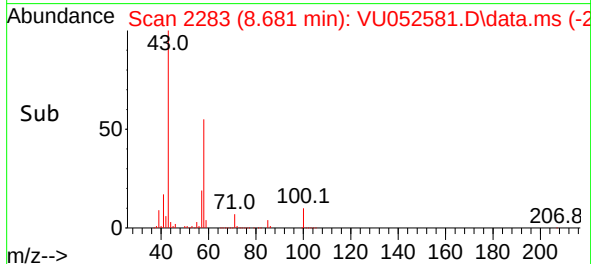
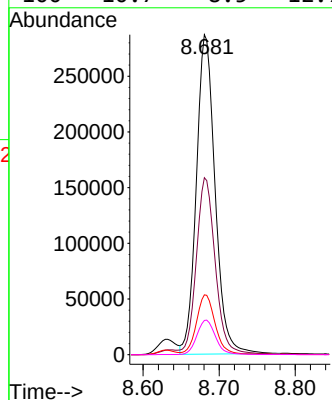
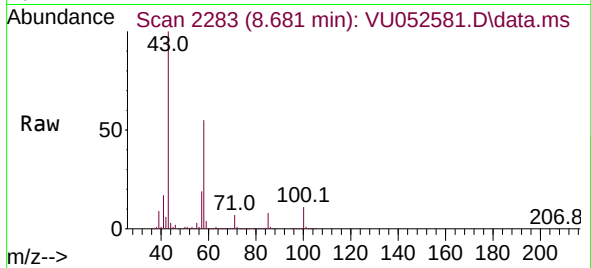




#48
2-Hexanone
Concen: 58.478 ug/L
RT: 8.681 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

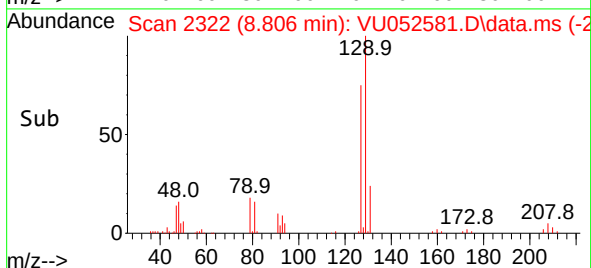
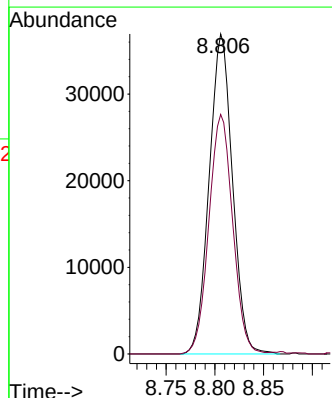
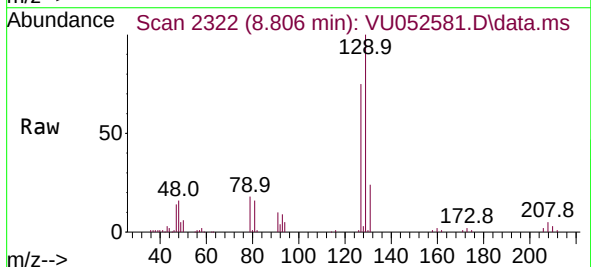
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

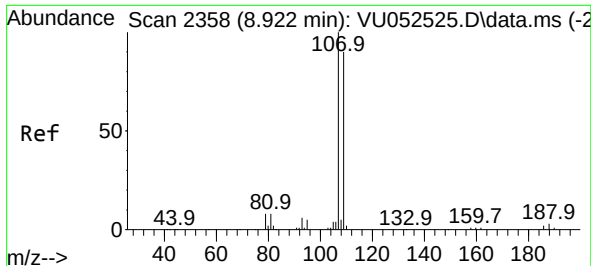
Tgt Ion: 43 Resp: 491464
Ion Ratio Lower Upper
43 100
58 56.1 44.1 66.1
57 18.7 14.6 21.8
100 10.7 8.5 12.7



#49
Dibromochloromethane
Concen: 5.365 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 129 Resp: 61394
Ion Ratio Lower Upper
129 100
127 74.9 54.2 100.6





#50

1,2-Dibromoethane

Concen: 5.315 ug/L

RT: 8.918 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005120

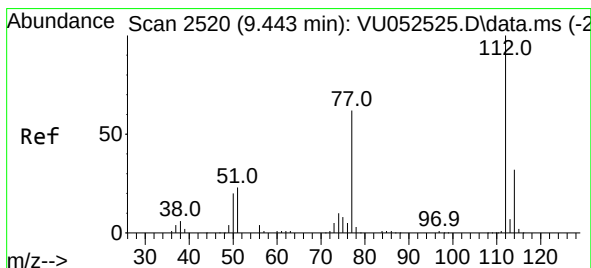
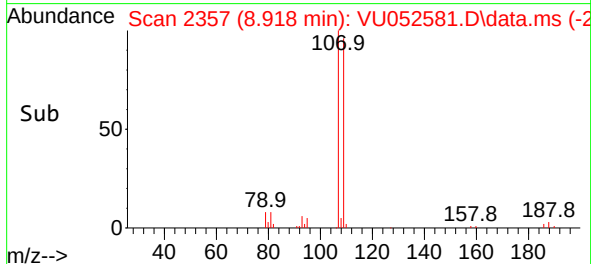
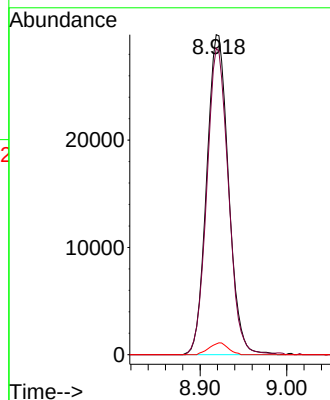
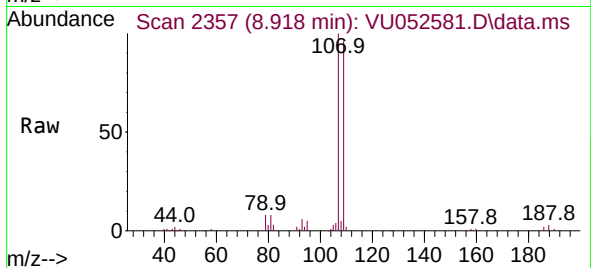
Tgt Ion:107 Resp: 52207

Ion Ratio Lower Upper

107 100

109 95.8 65.8 122.2

188 3.3 2.3 3.5



#51

Chlorobenzene

Concen: 4.967 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

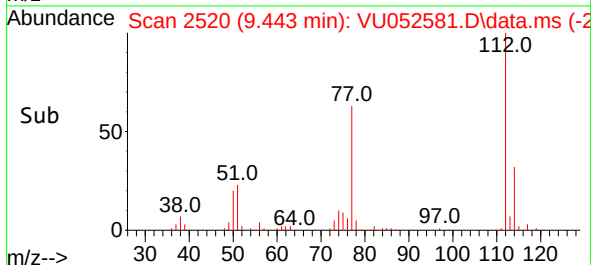
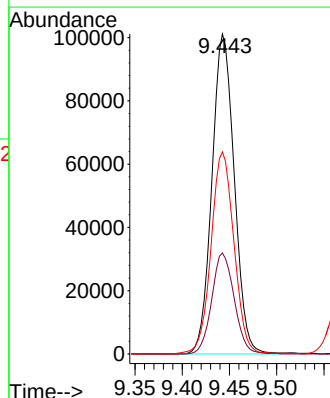
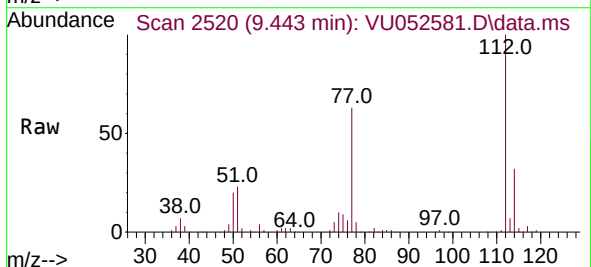
Tgt Ion:112 Resp: 166292

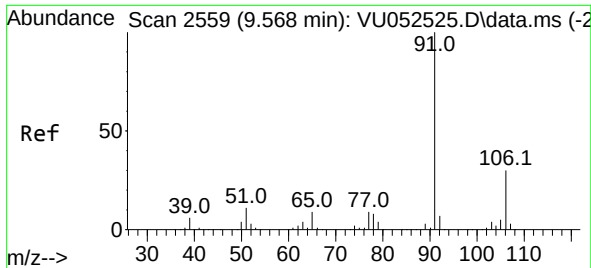
Ion Ratio Lower Upper

112 100

114 31.5 21.3 39.5

77 63.2 51.0 76.6

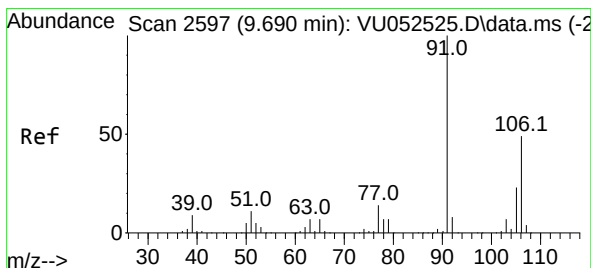
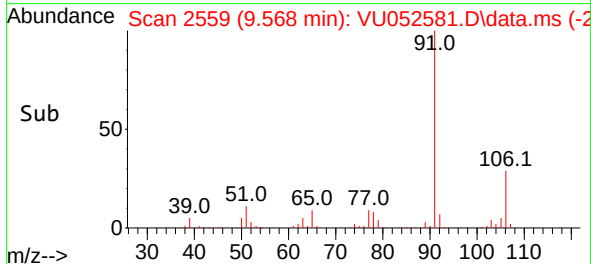
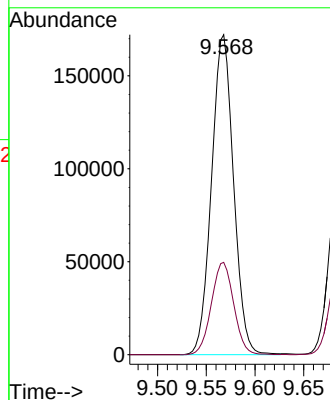
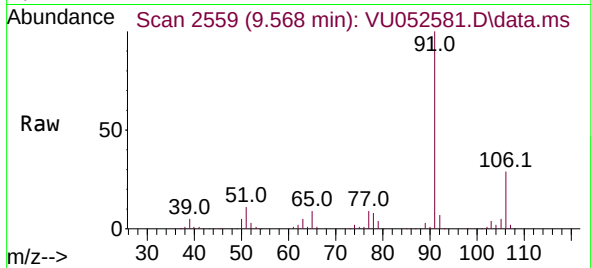




#52
Ethylbenzene
Concen: 4.988 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

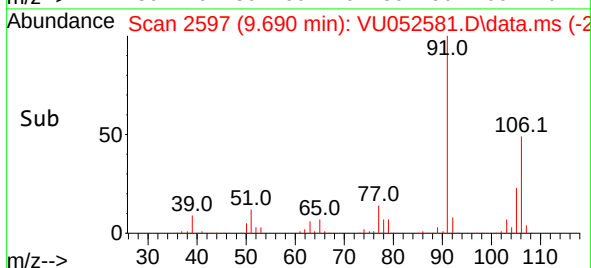
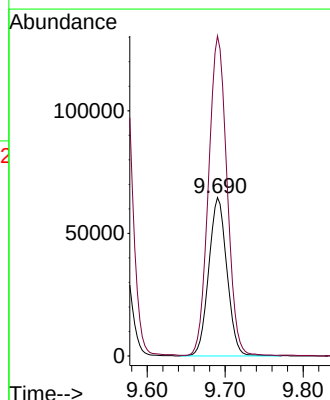
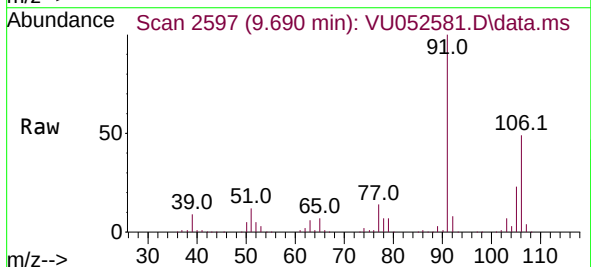
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

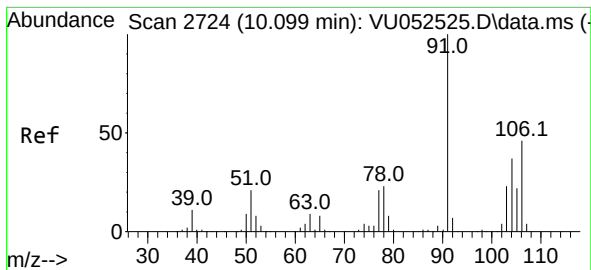
Tgt Ion: 91 Resp: 270613
Ion Ratio Lower Upper
91 100
106 28.8 20.9 38.7



#53
m,p-Xylene
Concen: 5.237 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 106 Resp: 104771
Ion Ratio Lower Upper
106 100
91 202.0 148.2 275.2





#54

o-Xylene

Concen: 5.184 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

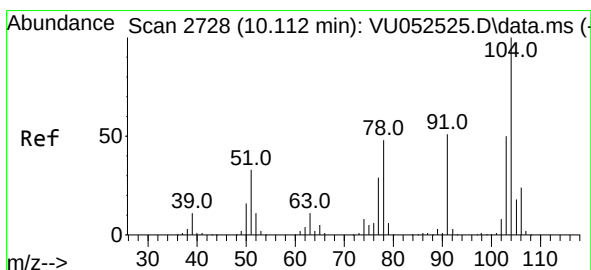
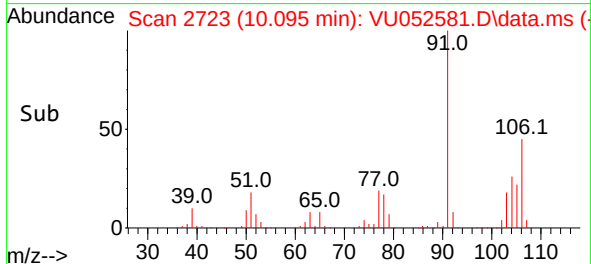
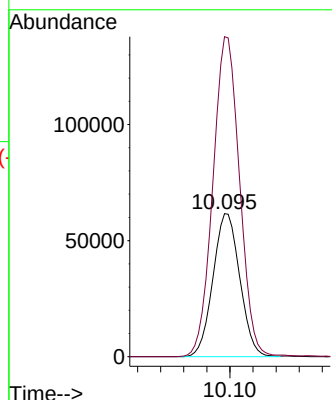
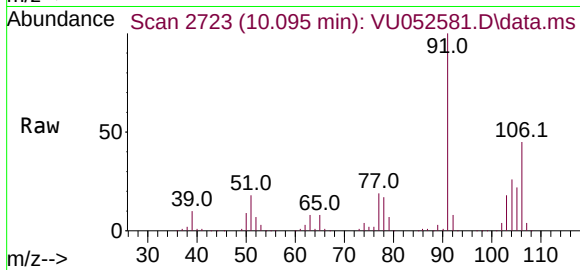
VSTD005120

Tgt Ion:106 Resp: 99424

Ion Ratio Lower Upper

106 100

91 223.7 153.2 284.4



#55

Styrene

Concen: 5.285 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VU052581.D

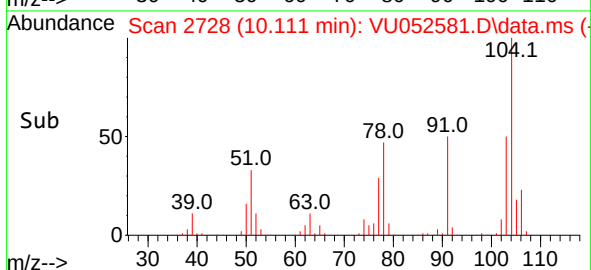
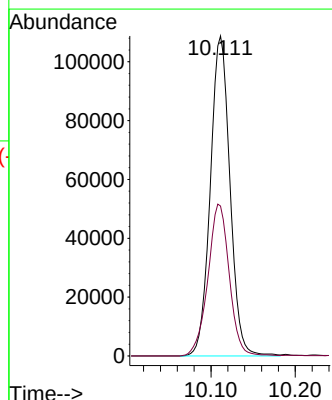
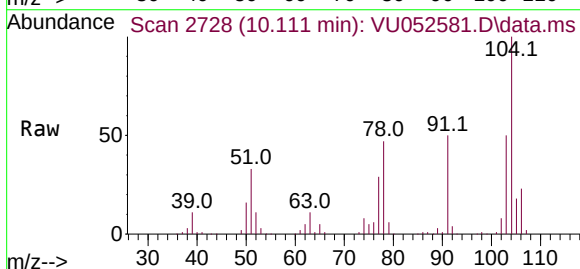
Acq: 28 Dec 2022 09:36

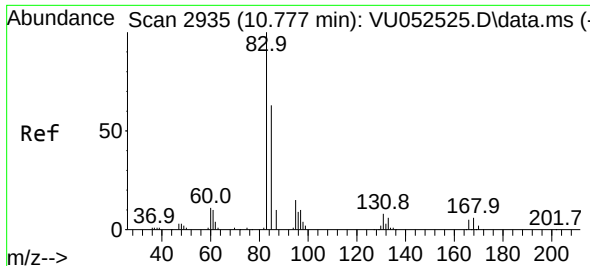
Tgt Ion:104 Resp: 176336

Ion Ratio Lower Upper

104 100

78 46.9 33.4 62.0

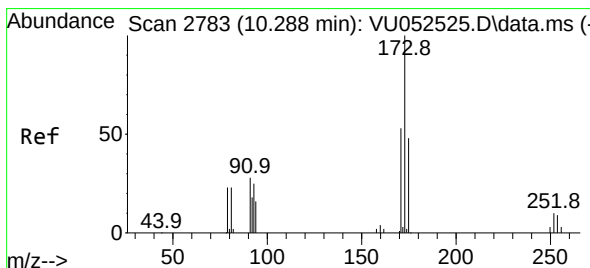
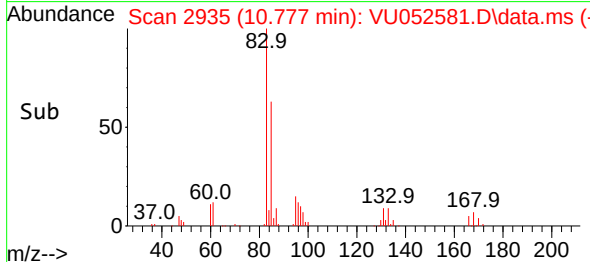
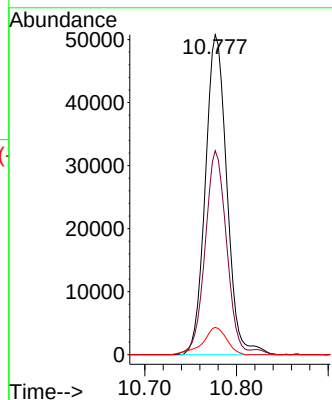
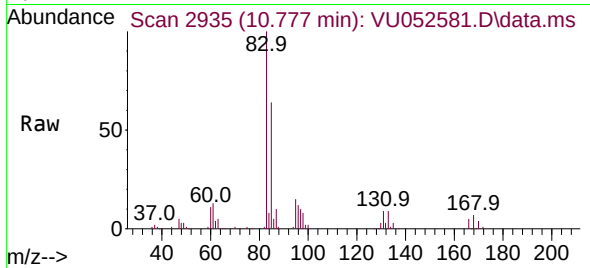




#57
1,1,2,2-Tetrachloroethane
Concen: 5.535 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

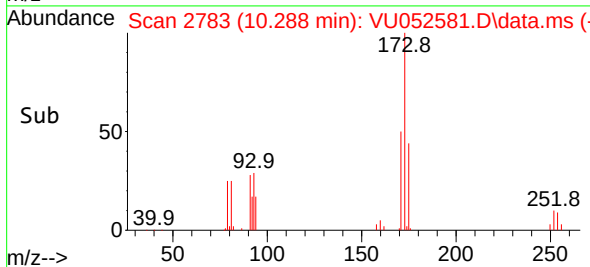
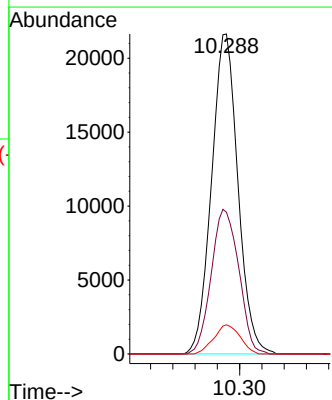
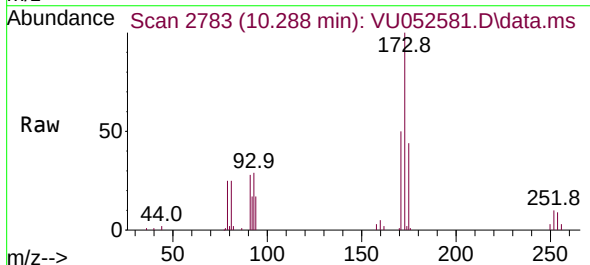
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

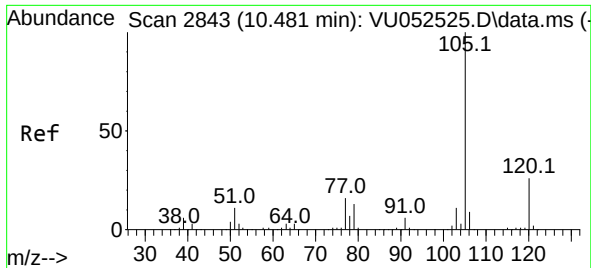
Tgt Ion:	83	Resp:	82682
Ion Ratio	Lower	Upper	
83	100		
85	63.7	44.7	83.1
131	8.6	6.0	9.0



#59
Bromoform
Concen: 5.095 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion:	173	Resp:	35532
Ion Ratio	Lower	Upper	
173	100		
175	47.2	38.9	58.3
254	9.1	7.0	10.6

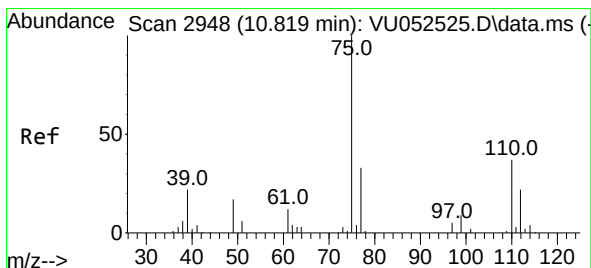
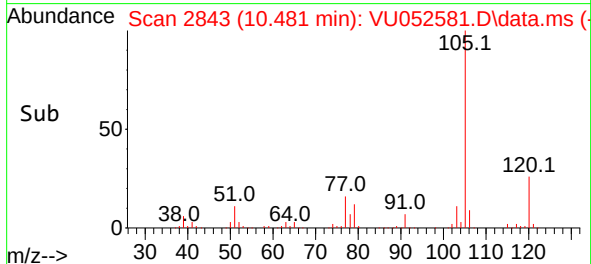
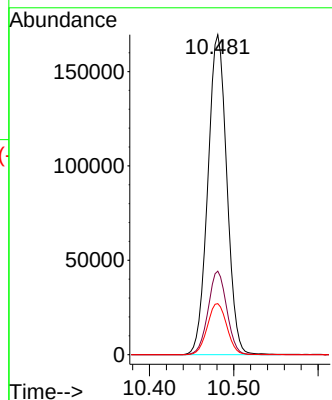
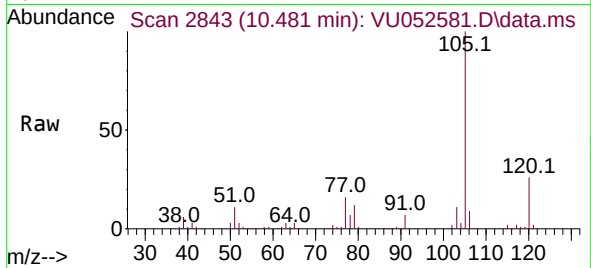




#60
Isopropylbenzene
Concen: 5.162 ug/L
RT: 10.481 min Scan# 2843
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

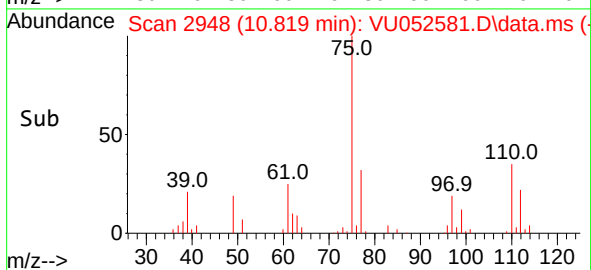
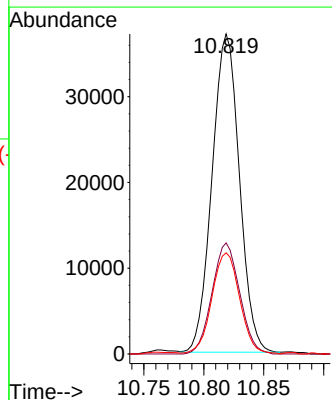
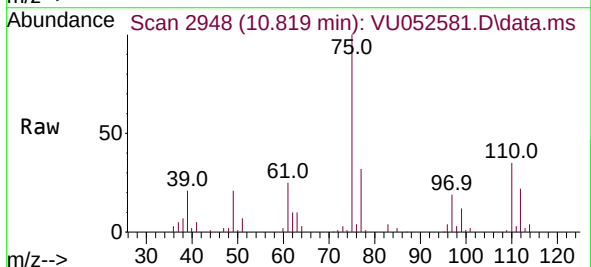
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

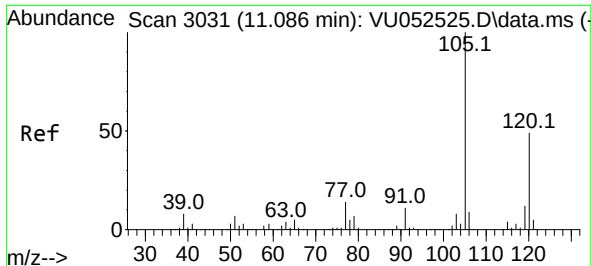
Tgt Ion:105 Resp: 265588
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0
77 16.4 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 5.168 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 75 Resp: 58835
Ion Ratio Lower Upper
75 100
110 35.2 27.9 41.9
77 32.4 25.9 38.9





#62

1,3,5-Trimethylbenzene

Concen: 4.810 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

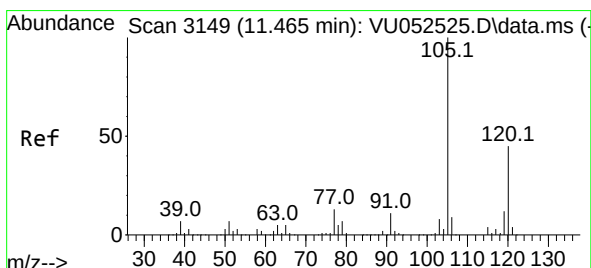
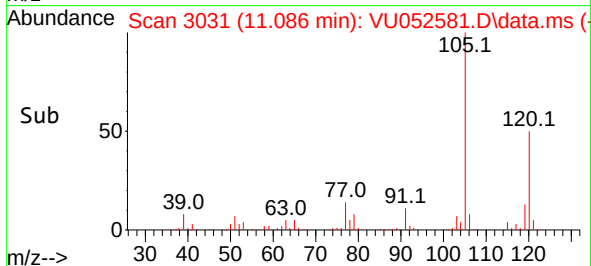
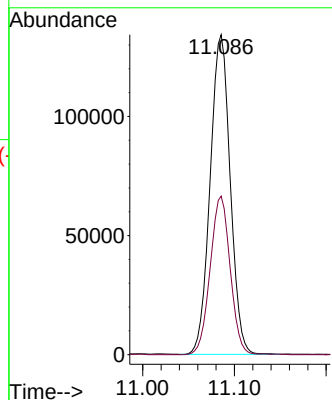
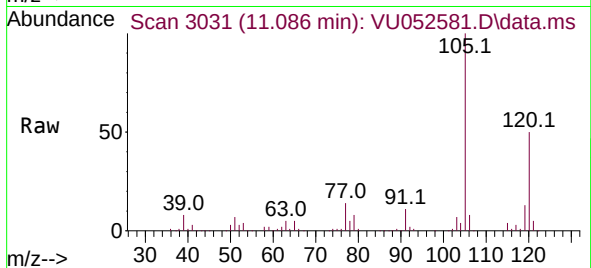
VSTD005120

Tgt Ion:105 Resp: 204099

Ion Ratio Lower Upper

105 100

120 49.4 38.6 57.8



#63

1,2,4-Trimethylbenzene

Concen: 4.882 ug/L

RT: 11.465 min Scan# 3149

Delta R.T. -0.000 min

Lab File: VU052581.D

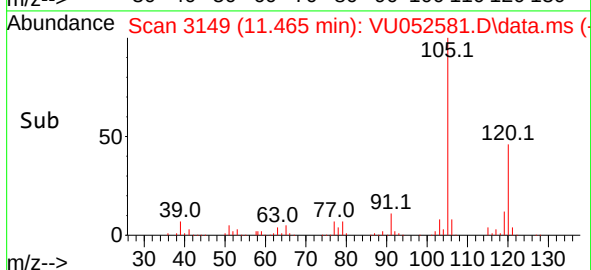
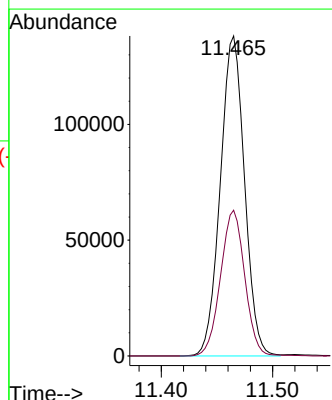
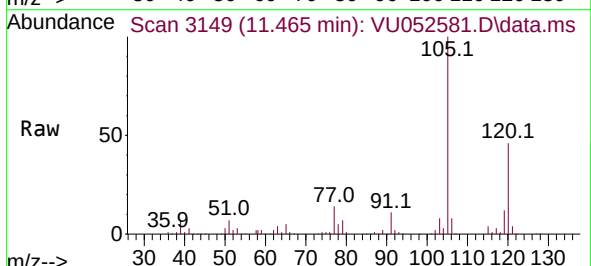
Acq: 28 Dec 2022 09:36

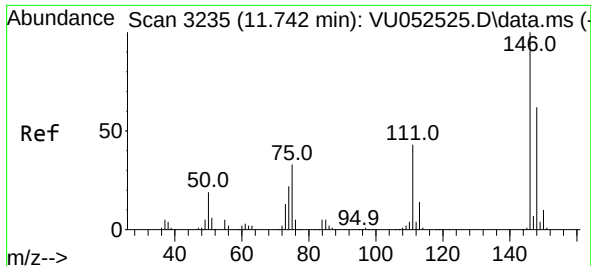
Tgt Ion:105 Resp: 208554

Ion Ratio Lower Upper

105 100

120 45.7 35.6 53.4

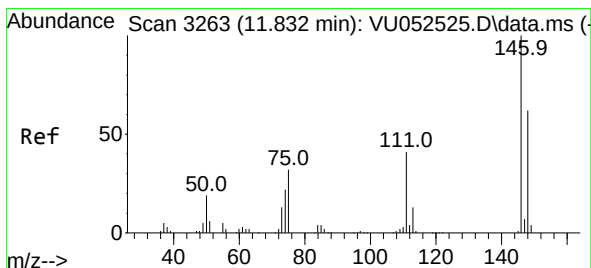
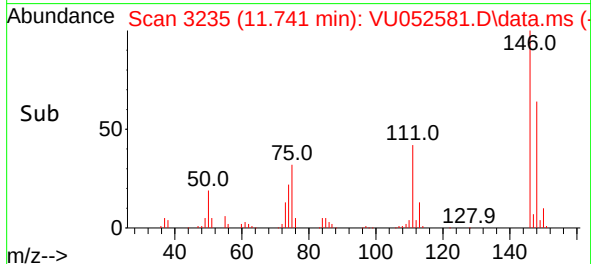
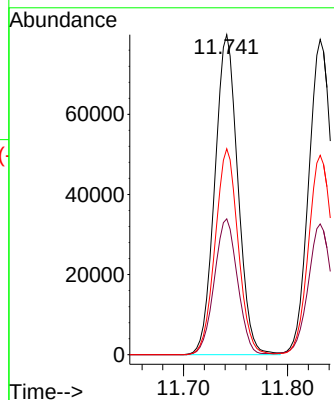
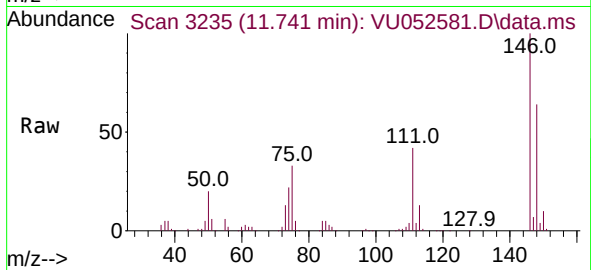




#64
1,3-Dichlorobenzene
Concen: 4.832 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

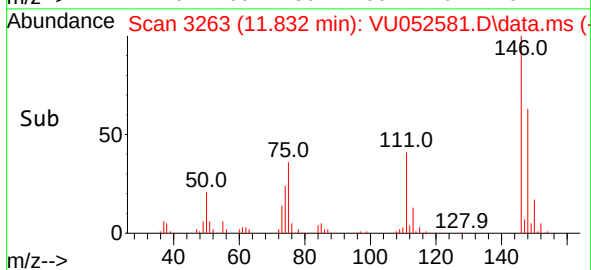
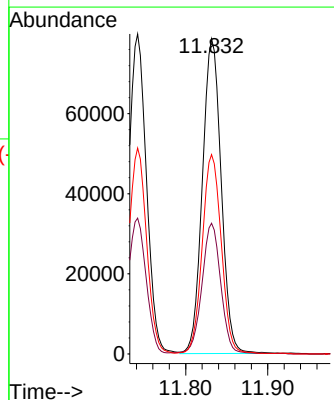
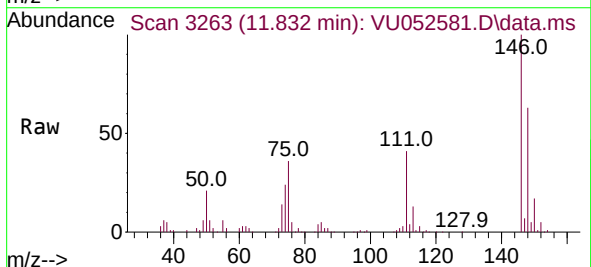
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

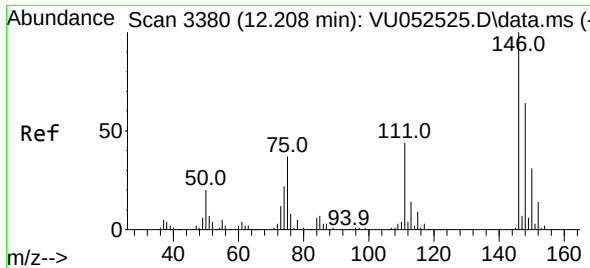
Tgt Ion:146 Resp: 123346
Ion Ratio Lower Upper
146 100
111 42.4 29.9 55.5
148 64.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.750 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion:146 Resp: 125407
Ion Ratio Lower Upper
146 100
111 41.5 27.5 51.1
148 63.3 44.9 83.3

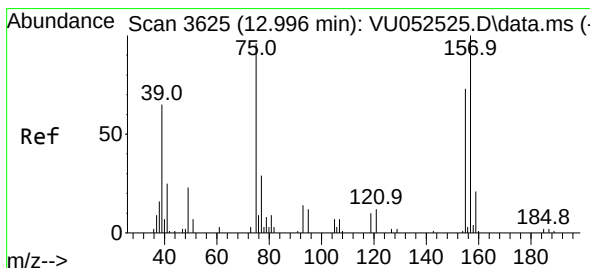
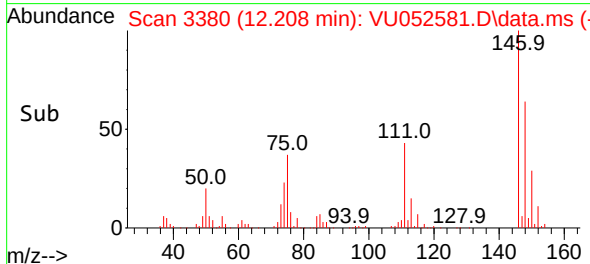
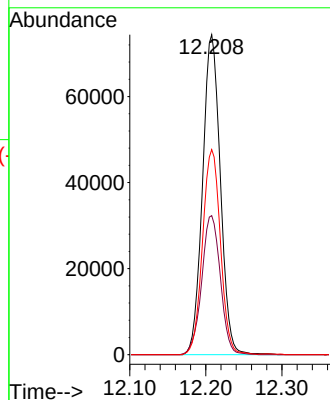
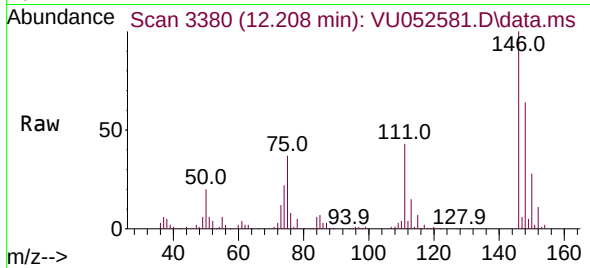




#67
1,2-Dichlorobenzene
Concen: 4.801 ug/L
RT: 12.208 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

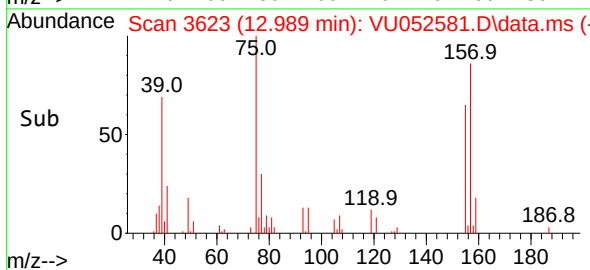
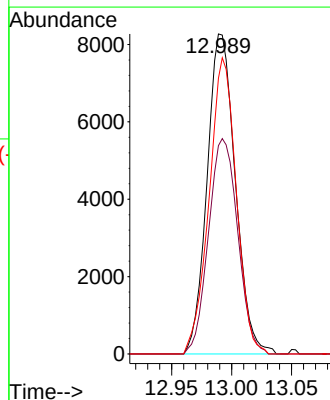
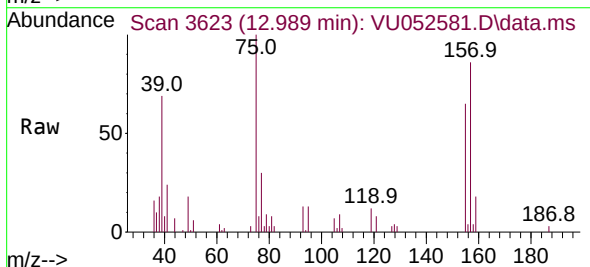
Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

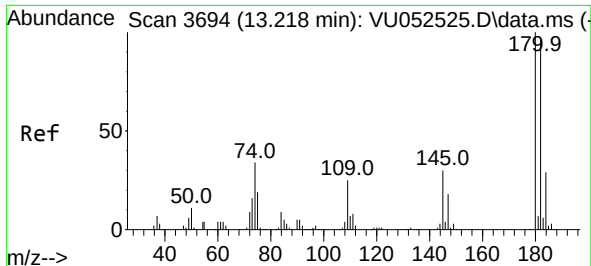
Tgt Ion:146 Resp: 121098
Ion Ratio Lower Upper
146 100
111 43.5 36.6 55.0
148 64.1 50.5 75.7



#68
1,2-Dibromo-3-chloropropane
Concen: 5.258 ug/L
RT: 12.989 min Scan# 3623
Delta R.T. -0.003 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion: 75 Resp: 13549
Ion Ratio Lower Upper
75 100
155 65.1 62.2 93.2
157 86.1 73.0 109.4





#69

1,3,5-Trichlorobenzene

Concen: 4.474 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD005120

Tgt Ion:180 Resp: 84093

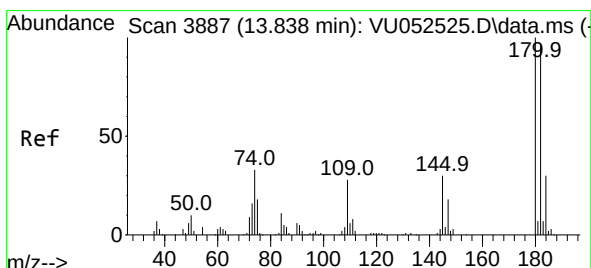
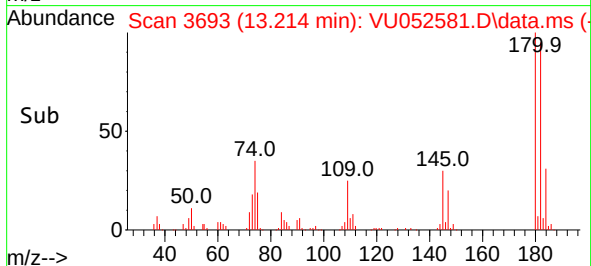
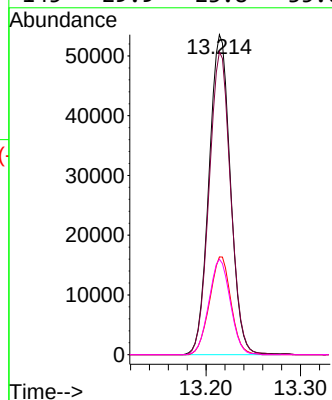
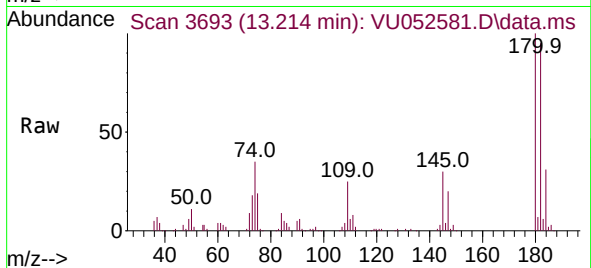
Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

184 30.6 23.4 35.0

145 29.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 4.485 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052581.D

Acq: 28 Dec 2022 09:36

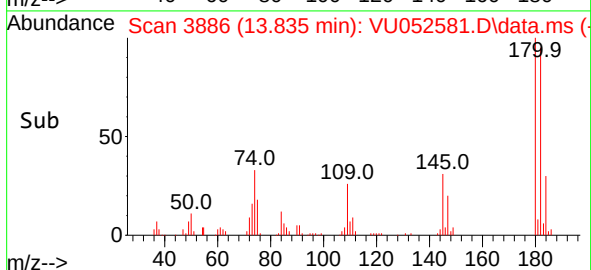
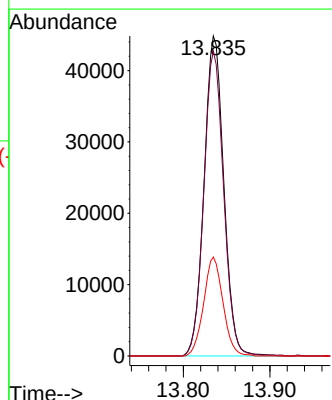
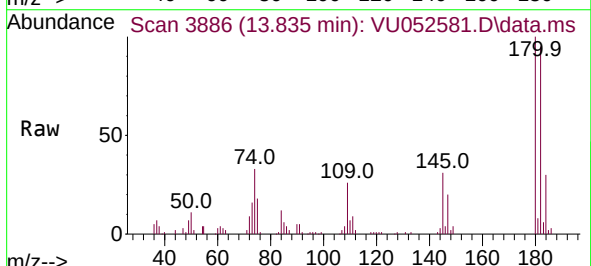
Tgt Ion:180 Resp: 70942

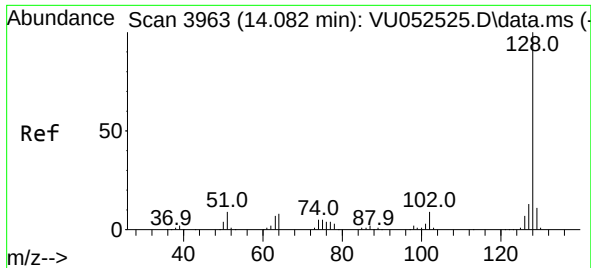
Ion Ratio Lower Upper

180 100

182 95.3 77.7 116.5

145 30.2 24.0 36.0

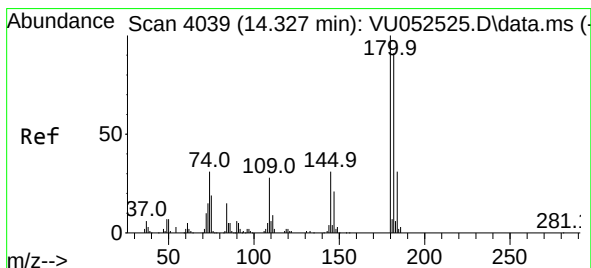
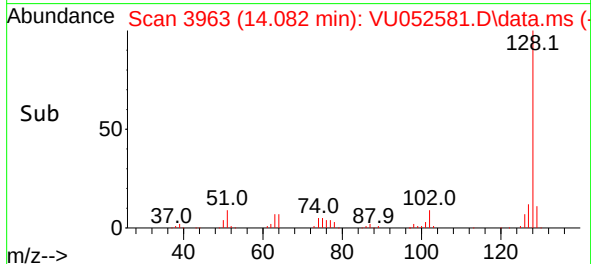
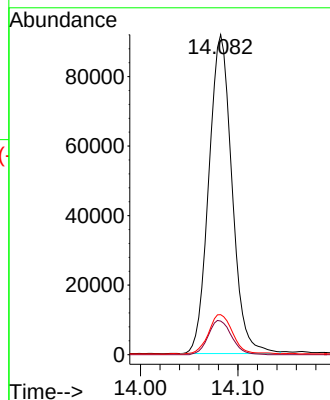
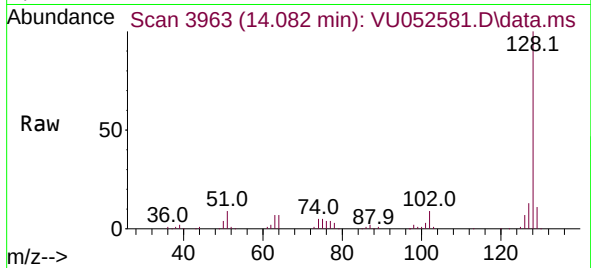




#71
Naphthalene
Concen: 4.735 ug/L
RT: 14.082 min Scan# 3963
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD005120

Tgt Ion:	128	Resp:	151520
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.519 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.000 min
Lab File: VU052581.D
Acq: 28 Dec 2022 09:36

Tgt Ion:	180	Resp:	71646
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.3	114.5
145	31.4	25.8	38.8

