

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042622\
 Data File : VU048293.D
 Acq On : 26 Apr 2022 11:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050101

Quant Time: Apr 27 03:49:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 26 02:41:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	377724	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	399586	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	230690	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	172727	49.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.460%
7) Chloroethane-d5	1.893	69	127286	52.206	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.420%
11) 1,1-Dichloroethene-d2	2.565	63	268156	48.182	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.360%
21) 2-Butanone-d5	4.620	46	259805	87.697	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.700%
24) Chloroform-d	5.063	84	301160	47.801	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.600%
26) 1,2-Dichloroethane-d4	5.703	65	184281	49.298	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.600%
32) Benzene-d6	5.726	84	623552	49.479	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.960%
36) 1,2-Dichloropropane-d6	6.690	67	198249	47.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.160%
41) Toluene-d8	7.899	98	595701	52.148	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.300%
43) trans-1,3-Dichloroprop...	8.179	79	94205	51.242	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.480%
47) 2-Hexanone-d5	8.636	63	203721	90.629	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.630%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	344496	47.145	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.300%
66) 1,2-Dichlorobenzene-d4	12.195	152	254835	49.106	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.220%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	141050	49.419	ug/L	99
3) Chloromethane	1.523	50	150433	46.049	ug/L	99
5) Vinyl chloride	1.604	62	162320	49.307	ug/L	98
6) Bromomethane	1.832	94	75344	49.799	ug/L	97
8) Chloroethane	1.916	64	97644	52.456	ug/L	100
9) Trichlorofluoromethane	2.128	101	221341	51.592	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	142309	50.013	ug/L	99
12) 1,1-Dichloroethene	2.575	96	122471	49.309	ug/L	90
13) Acetone	2.623	43	212040	111.489	ug/L	99
14) Carbon disulfide	2.790	76	289093	47.757	ug/L	99
15) Methyl Acetate	2.944	43	179491	47.543	ug/L	99
16) Methylene chloride	3.044	84	163870	51.175	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	129947	50.362	ug/L	98
18) Methyl tert-butyl Ether	3.362	73	453513	53.271	ug/L	98
19) 1,1-Dichloroethane	3.867	63	266406	49.374	ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	162573	52.271	ug/L	93
22) 2-Butanone	4.700	43	287725	102.307	ug/L	98
23) Bromochloromethane	4.973	128	90525	52.133	ug/L	99
25) Chloroform	5.089	83	285331	51.787	ug/L	100

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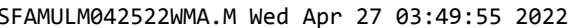
Instrument :
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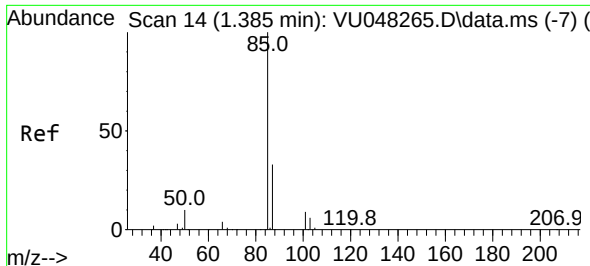
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	212153	52.790	ug/L	99
29) Cyclohexane	5.388	56	191742	50.787	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	234357	51.864	ug/L	100
31) Carbon tetrachloride	5.526	117	198280	51.483	ug/L	100
33) Benzene	5.774	78	611394	51.679	ug/L	100
34) Trichloroethene	6.542	95	149571	51.579	ug/L	99
35) Methylcyclohexane	6.764	83	215290	52.881	ug/L	99
37) 1,2-Dichloropropane	6.790	63	167367	49.723	ug/L	99
38) Bromodichloromethane	7.105	83	218879	51.491	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	248594	52.521	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	528180	104.037	ug/L	100
42) Toluene	7.970	91	669058	53.865	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	244203	52.813	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	178793	50.628	ug/L	99
46) Tetrachloroethene	8.555	164	129553	52.056	ug/L	98
48) 2-Hexanone	8.687	43	446965	105.429	ug/L	98
49) Dibromochloromethane	8.812	129	196333	50.593	ug/L	99
50) 1,2-Dibromoethane	8.925	107	186095	51.963	ug/L	99
51) Chlorobenzene	9.449	112	460440	51.428	ug/L	100
52) Ethylbenzene	9.571	91	707373	54.991	ug/L	99
53) m,p-Xylene	9.693	106	286719	56.483	ug/L	100
54) o-Xylene	10.102	106	289324	56.577	ug/L	100
55) Styrene	10.115	104	498218	57.189	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	355001	50.933	ug/L	99
59) Bromoform	10.291	173	169814	50.722	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	268849	49.956	ug/L	99
61) Isopropylbenzene	10.484	105	732722	56.806	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	388862	57.199	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	616302	58.964	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	389159	53.815	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	382501	51.811	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	399627	52.459	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	71292	49.623	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	290382	54.040	ug/L	100
70) 1,2,4-trichlorobenzene	13.841	180	237492	55.944	ug/L	99
71) Naphthalene	14.089	128	728059	59.928	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	246704	56.706	ug/L	97

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

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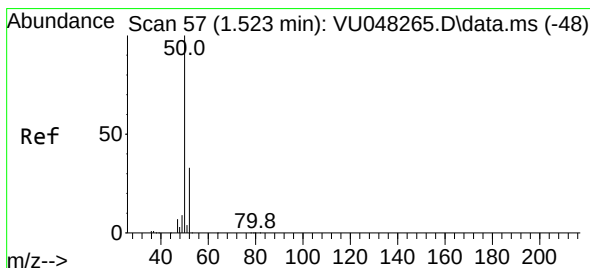
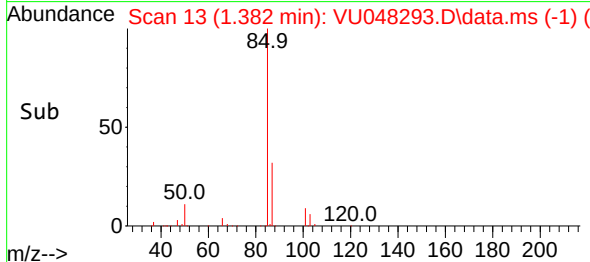
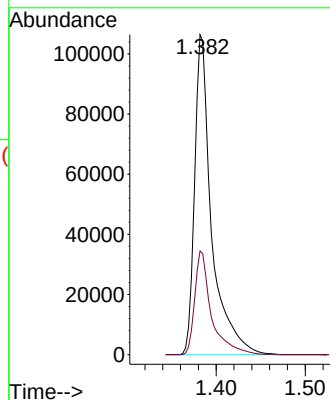
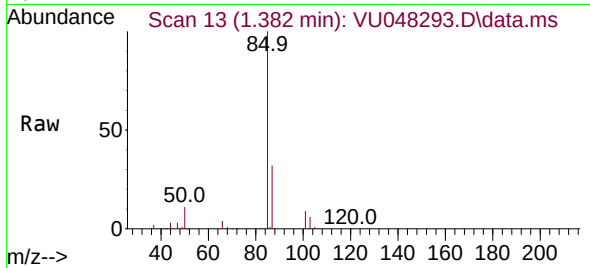




#2
 Dichlorodifluoromethane
 Concen: 49.419 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VU048293.D
 Acq: 26 Apr 2022 11:36

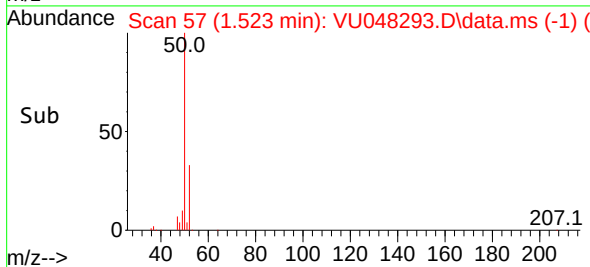
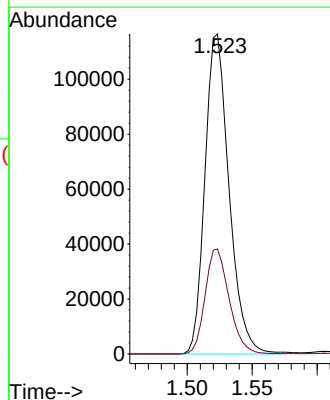
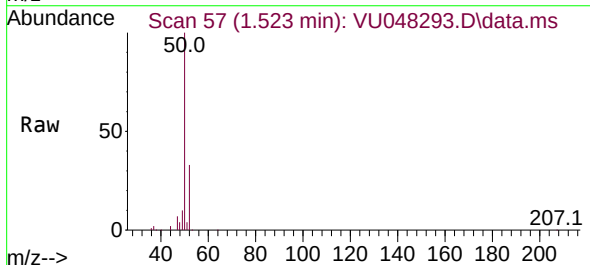
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 VSTD050101

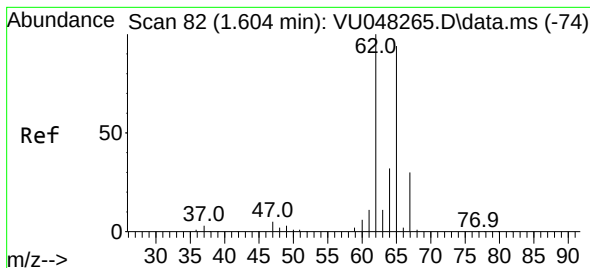
Tgt Ion: 85 Resp: 141050
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.1 39.1



#3
 Chloromethane
 Concen: 46.049 ug/L
 RT: 1.523 min Scan# 57
 Delta R.T. -0.000 min
 Lab File: VU048293.D
 Acq: 26 Apr 2022 11:36

Tgt Ion: 50 Resp: 150433
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.2 43.2





#5

Vinyl chloride

Concen: 49.307 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

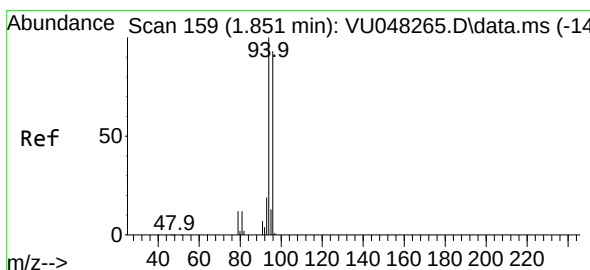
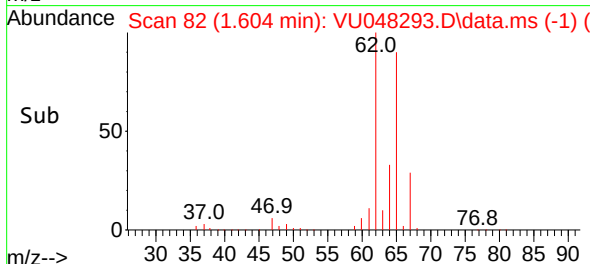
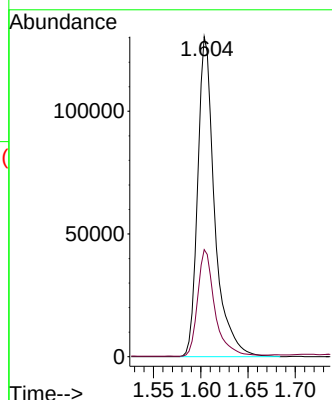
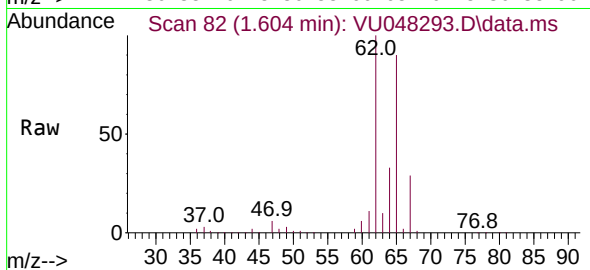
VSTD050101

Tgt Ion: 62 Resp: 162320

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



#6

Bromomethane

Concen: 49.799 ug/L

RT: 1.832 min Scan# 153

Delta R.T. -0.019 min

Lab File: VU048293.D

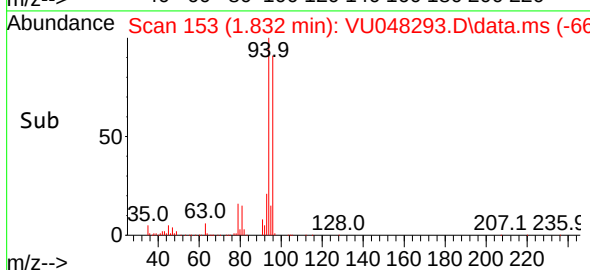
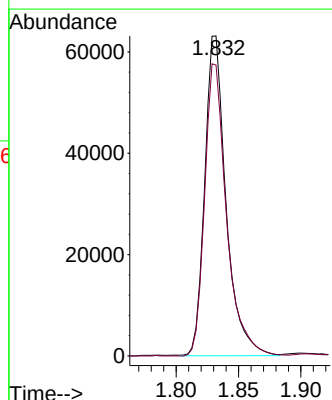
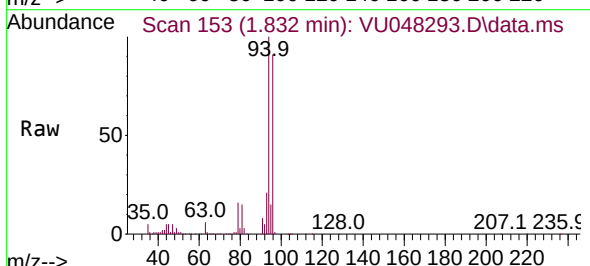
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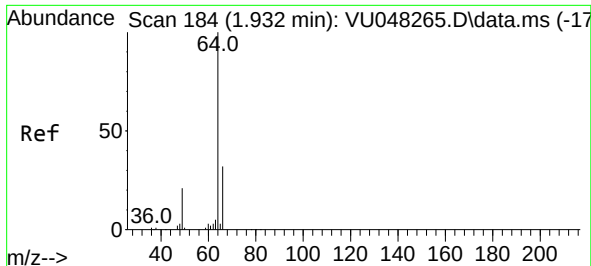
Tgt Ion: 94 Resp: 75344

Ion Ratio Lower Upper

94 100

96 90.9 65.8 122.2

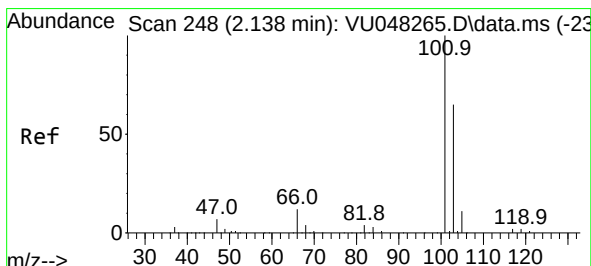
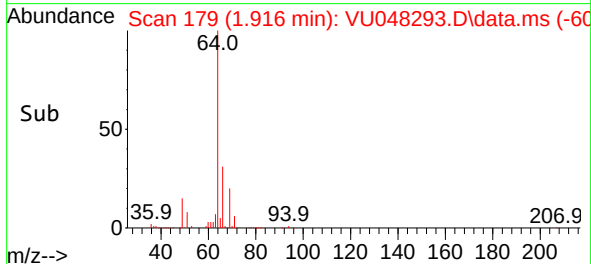
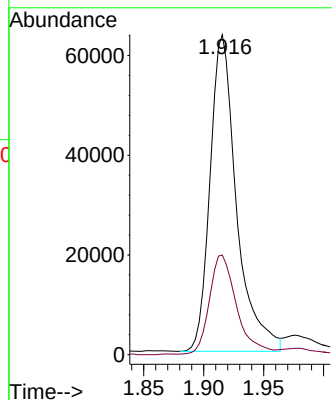
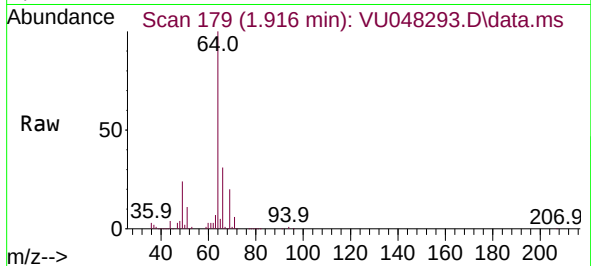




#8
Chloroethane
Concen: 52.456 ug/L
RT: 1.916 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

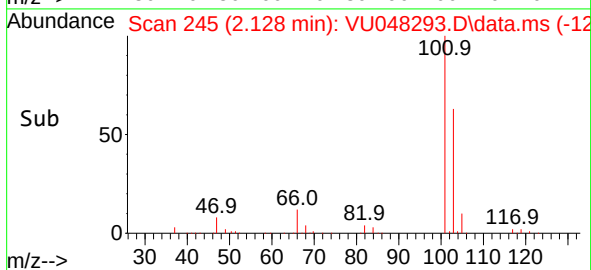
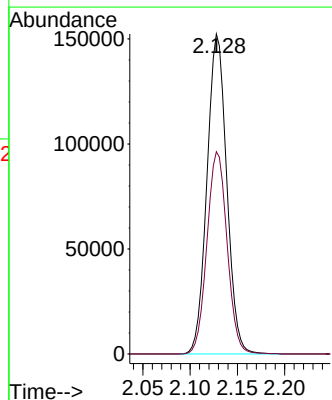
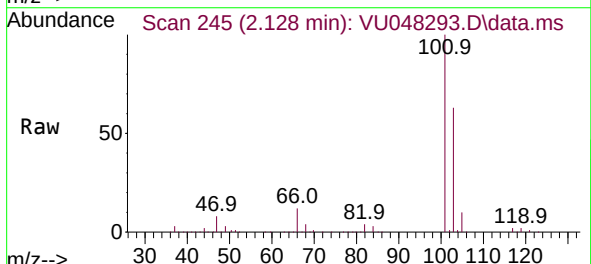
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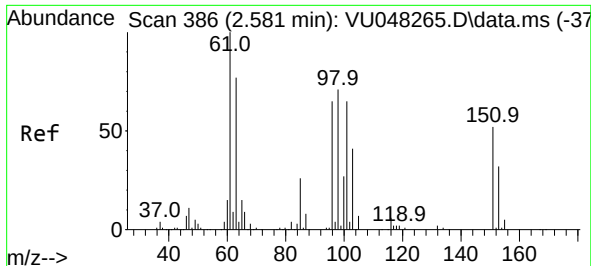
Tgt Ion: 64 Resp: 97644
Ion Ratio Lower Upper
64 100
66 31.2 21.9 40.7



#9
Trichlorofluoromethane
Concen: 51.592 ug/L
RT: 2.128 min Scan# 245
Delta R.T. -0.010 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 101 Resp: 221341
Ion Ratio Lower Upper
101 100
103 64.5 51.9 77.9

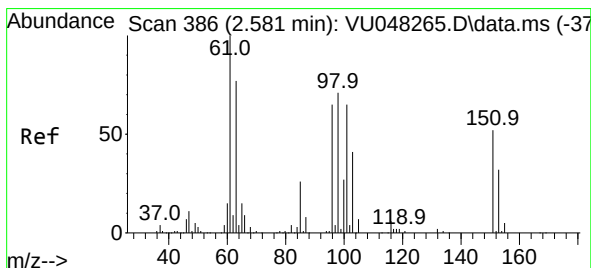
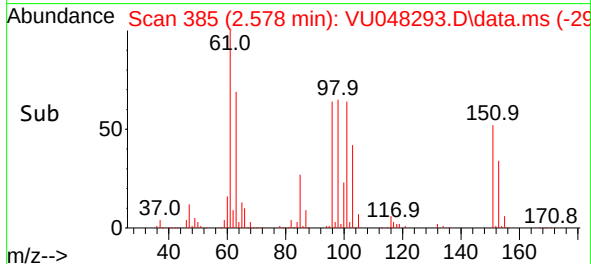
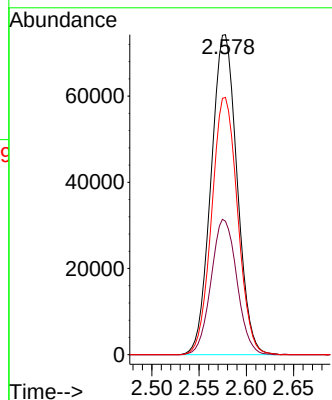
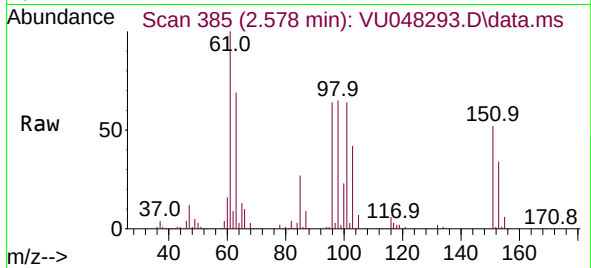




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.013 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU048293.D
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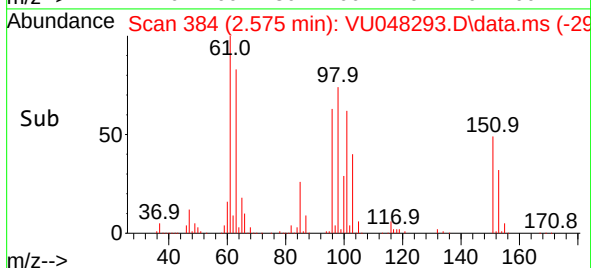
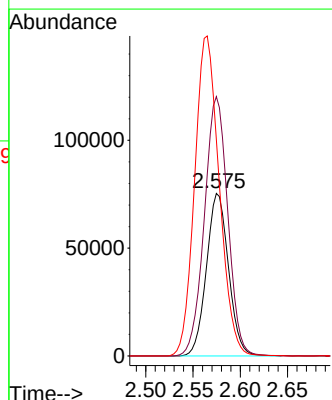
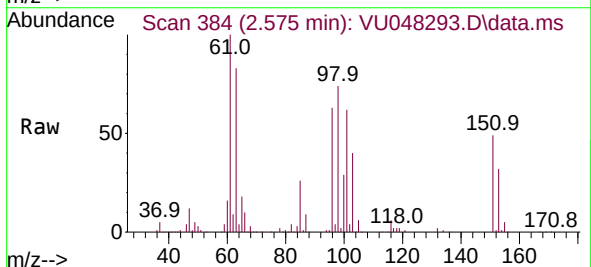
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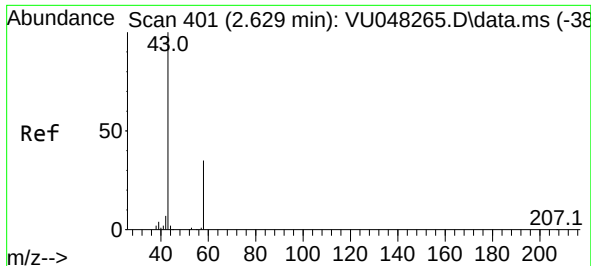
Tgt Ion:101 Resp: 142309
 Ion Ratio Lower Upper
 101 100
 85 41.9 32.6 48.8
 151 80.1 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 49.309 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.007 min
 Lab File: VU048293.D
 Acq: 26 Apr 2022 11:36

Tgt Ion: 96 Resp: 122471
 Ion Ratio Lower Upper
 96 100
 61 159.5 107.9 200.3
 63 133.0 80.3 149.1





#13

Acetone

Concen: 111.489 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.007 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

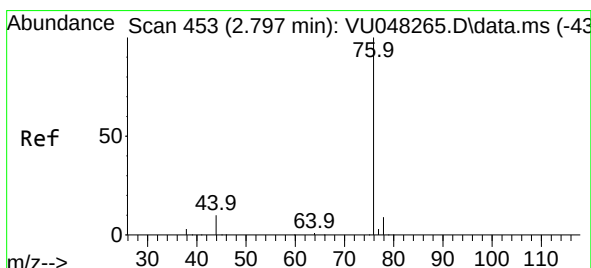
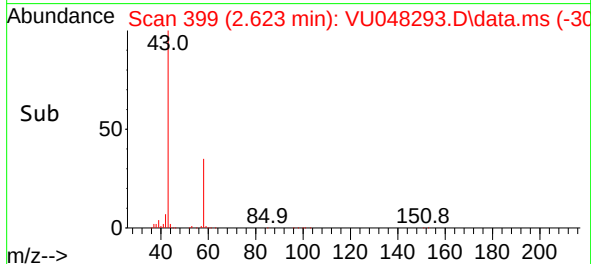
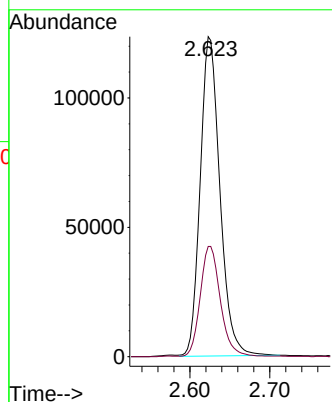
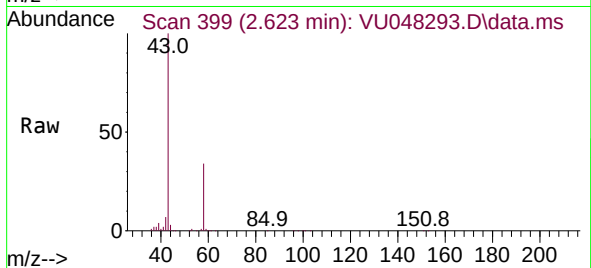
VSTD050101

Tgt Ion: 43 Resp: 212040

Ion Ratio Lower Upper

43 100

58 35.1 0.0 71.2



#14

Carbon disulfide

Concen: 47.757 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.007 min

Lab File: VU048293.D

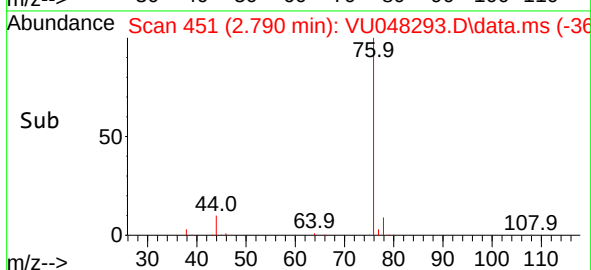
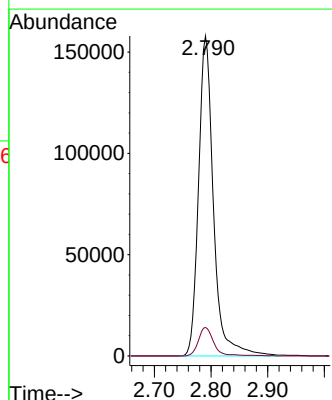
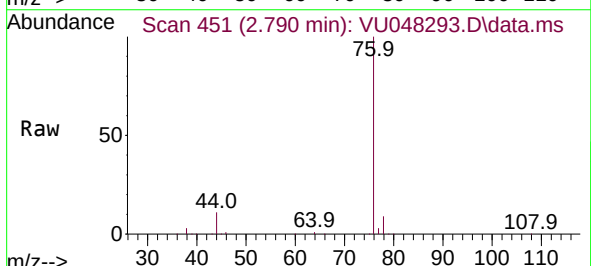
Acq: 26 Apr 2022 11:36

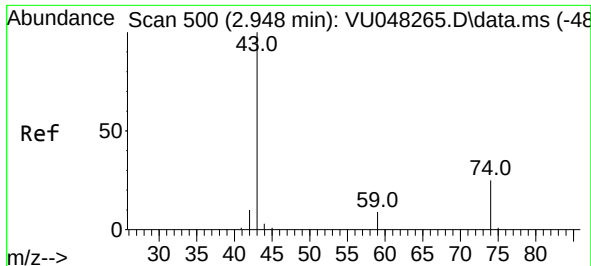
Tgt Ion: 76 Resp: 289093

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

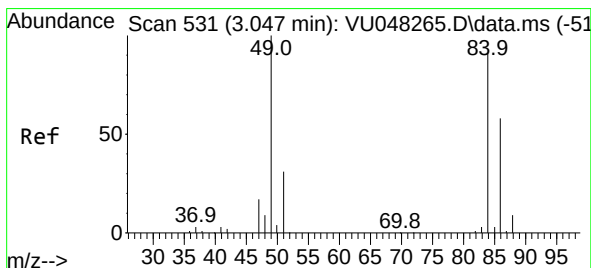
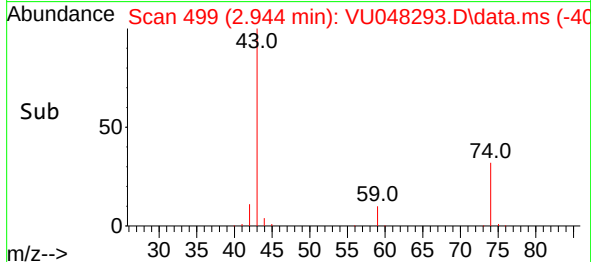
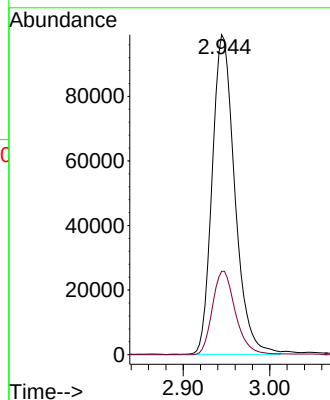
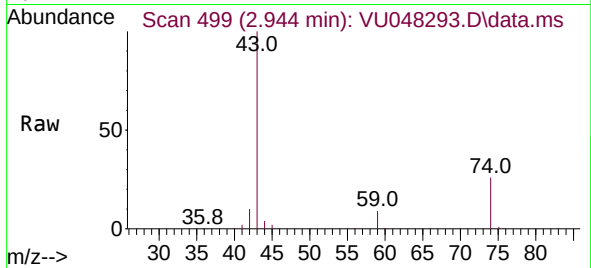




#15
Methyl Acetate
Concen: 47.543 ug/L
RT: 2.944 min Scan# 499
Delta R.T. -0.003 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

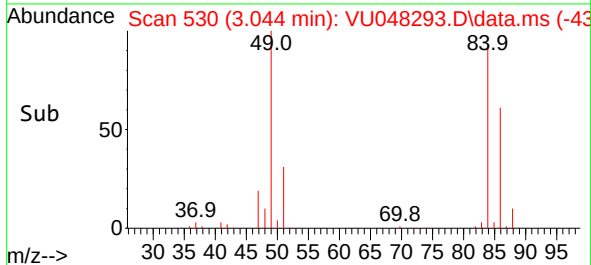
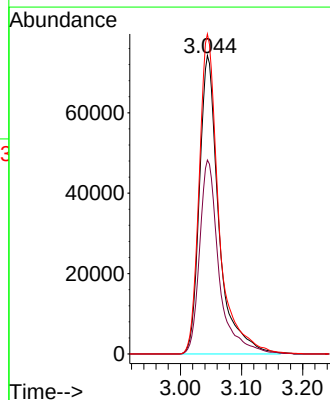
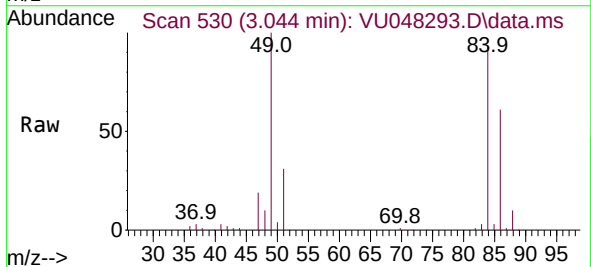
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

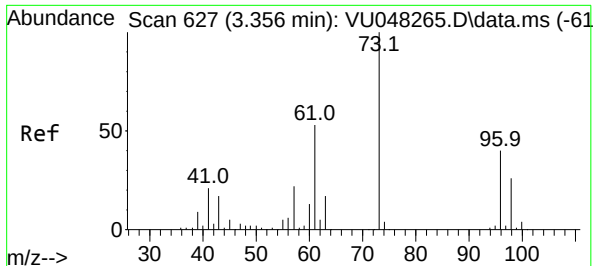
Tgt Ion: 43 Resp: 179491
Ion Ratio Lower Upper
43 100
74 26.7 21.0 31.6



#16
Methylene chloride
Concen: 51.175 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 84 Resp: 163870
Ion Ratio Lower Upper
84 100
86 65.0 45.4 84.2
49 107.2 79.2 147.0





#17

trans-1,2-Dichloroethene

Concen: 50.362 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

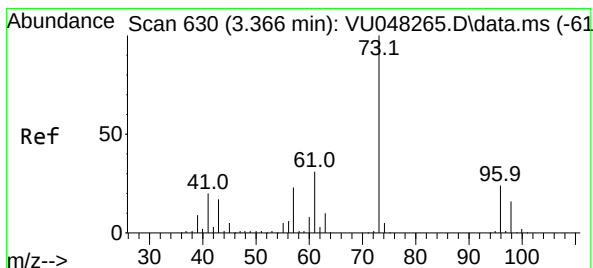
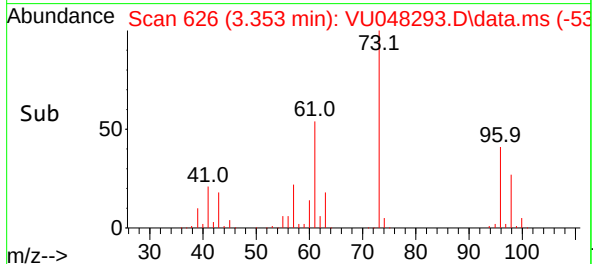
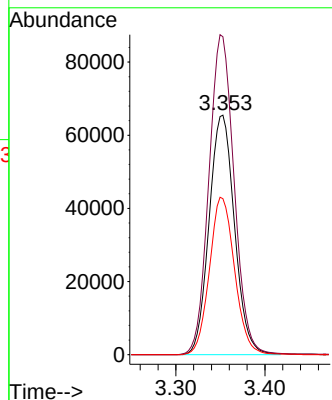
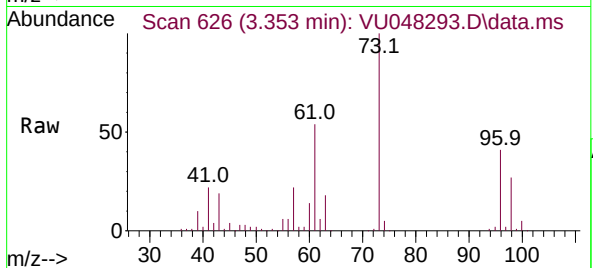
Tgt Ion: 96 Resp: 129947

Ion Ratio Lower Upper

96 100

61 132.7 95.2 176.8

98 65.1 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 53.271 ug/L

RT: 3.362 min Scan# 629

Delta R.T. -0.003 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

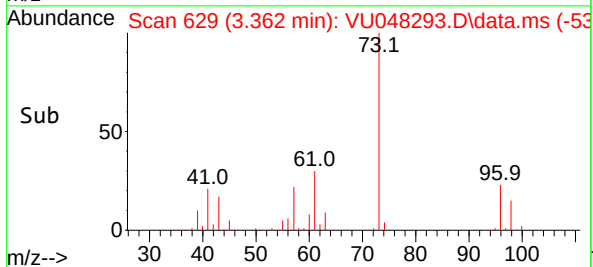
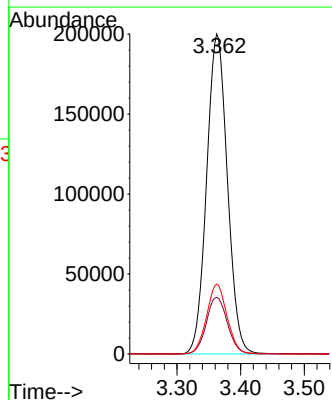
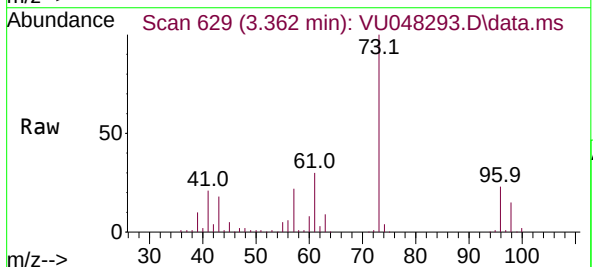
Tgt Ion: 73 Resp: 453513

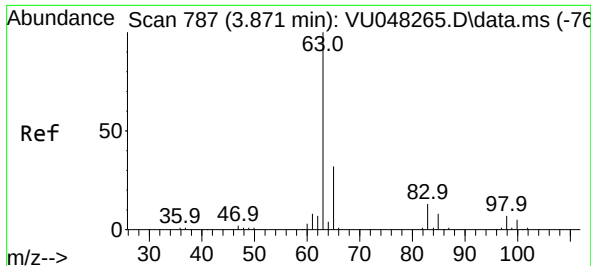
Ion Ratio Lower Upper

73 100

43 17.9 13.8 20.6

57 21.5 17.9 26.9





#19

1,1-Dichloroethane

Concen: 49.374 ug/L

RT: 3.867 min Scan# 787

Delta R.T. -0.003 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

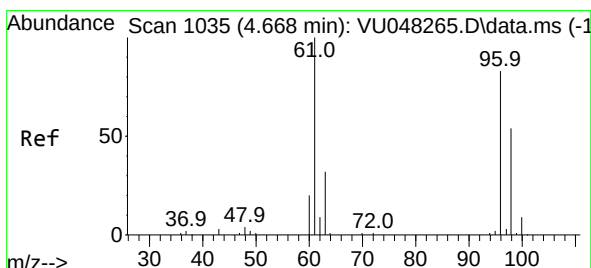
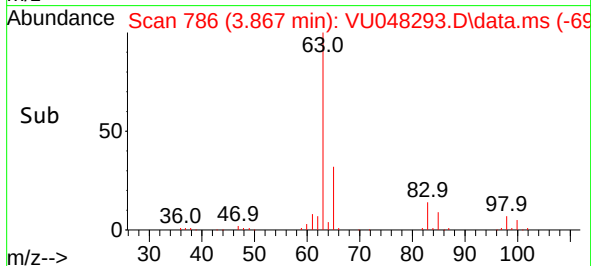
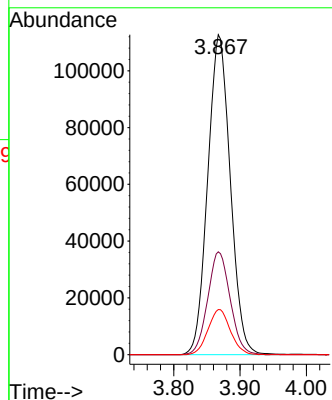
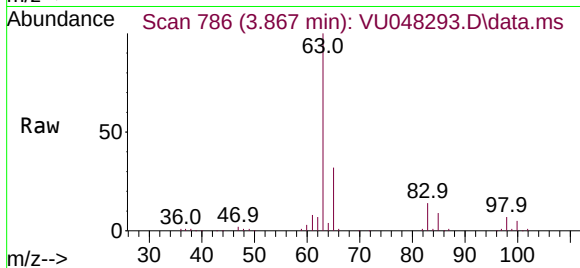
Tgt Ion: 63 Resp: 266406

Ion Ratio Lower Upper

63 100

65 32.1 22.0 40.8

83 14.1 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 52.271 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

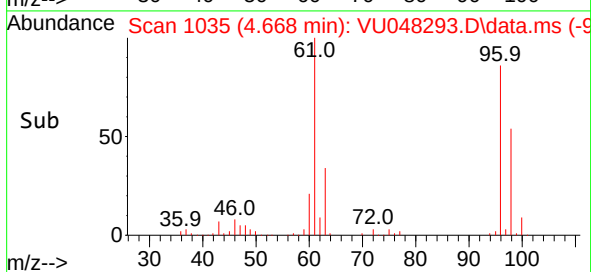
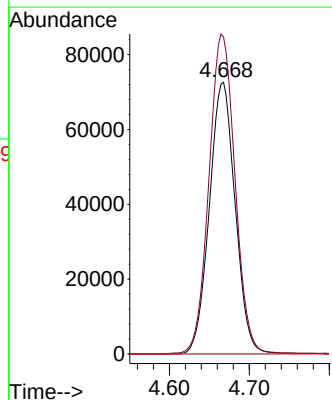
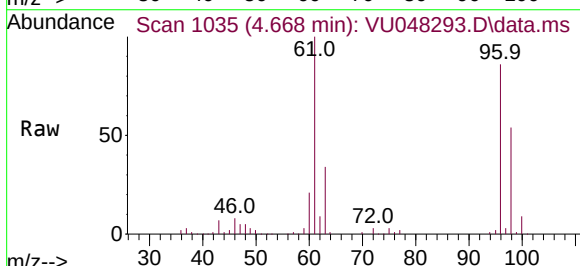
Tgt Ion: 96 Resp: 162573

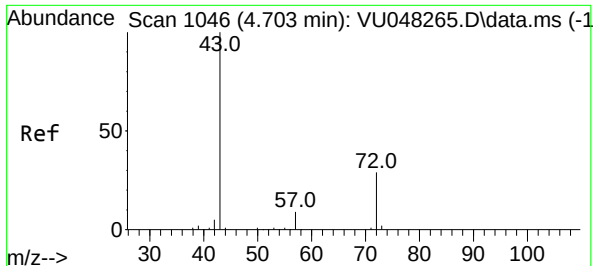
Ion Ratio Lower Upper

96 100

61 116.7 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.307 ug/L

RT: 4.700 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

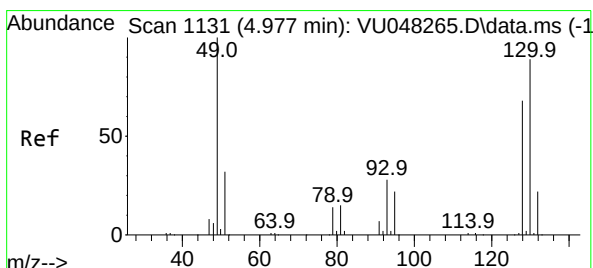
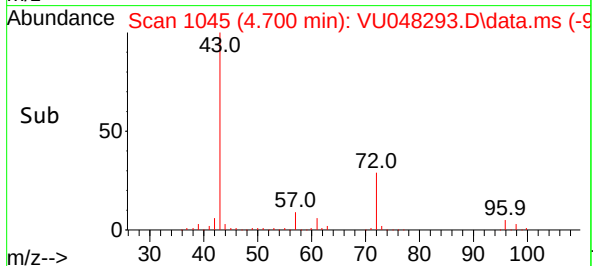
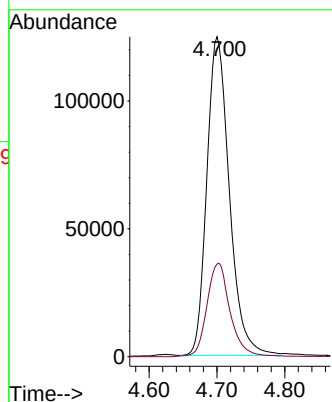
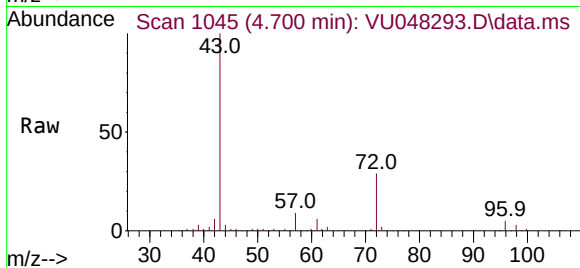
VSTD050101

Tgt Ion: 43 Resp: 287725

Ion Ratio Lower Upper

43 100

72 30.2 14.6 43.8



#23

Bromochloromethane

Concen: 52.133 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Tgt Ion:128 Resp: 90525

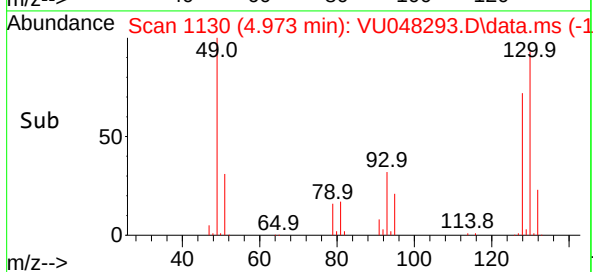
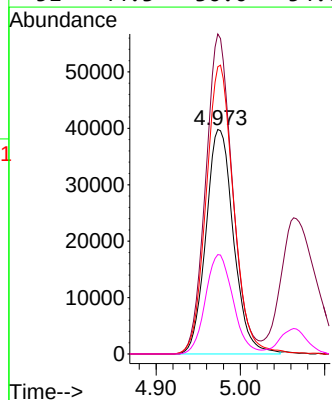
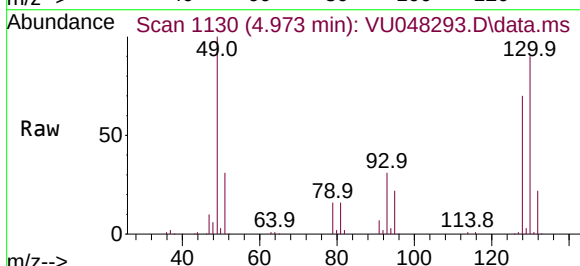
Ion Ratio Lower Upper

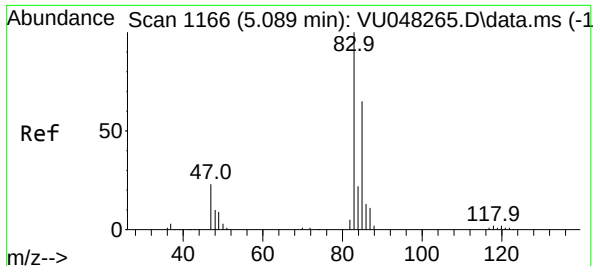
128 100

49 142.5 101.3 188.1

130 127.9 89.0 165.2

51 44.3 36.0 54.0





#25

Chloroform

Concen: 51.787 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

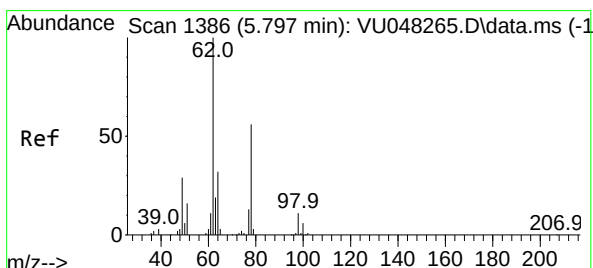
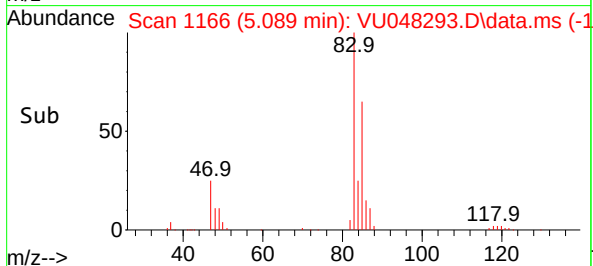
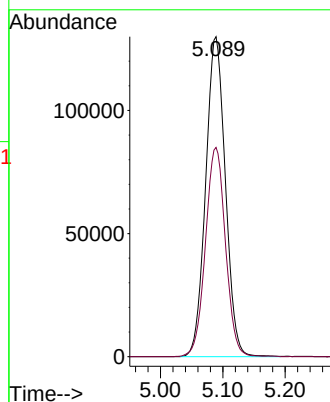
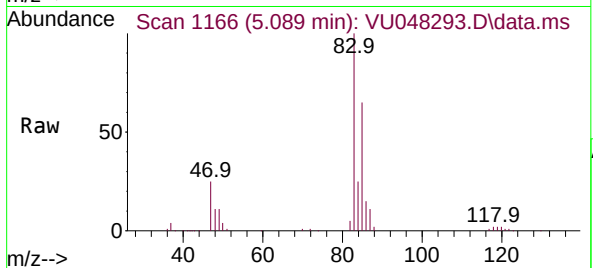
VSTD050101

Tgt Ion: 83 Resp: 285331

Ion Ratio Lower Upper

83 100

85 65.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 52.790 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU048293.D

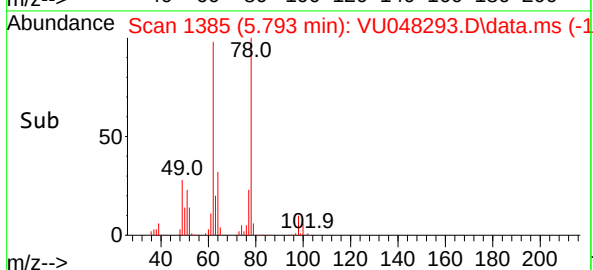
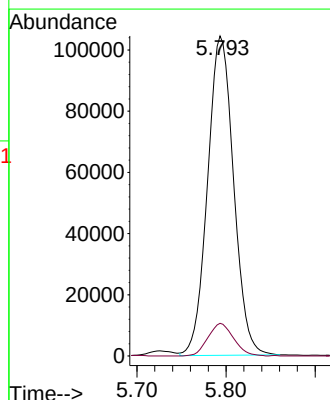
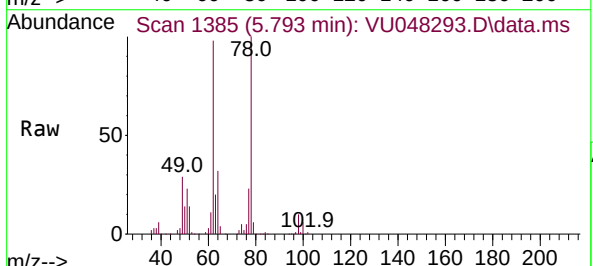
Acq: 26 Apr 2022 11:36

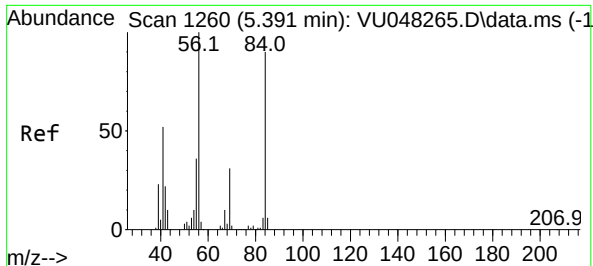
Tgt Ion: 62 Resp: 212153

Ion Ratio Lower Upper

62 100

98 10.2 8.5 12.7





#29

Cyclohexane

Concen: 50.787 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.003 min

Lab File: VU048293.D

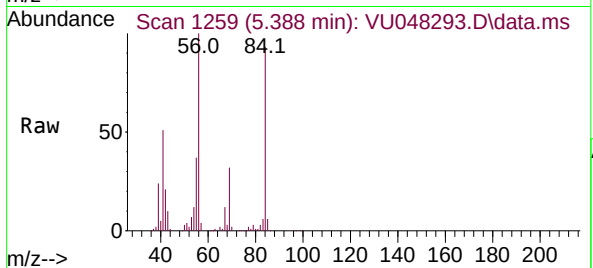
Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101



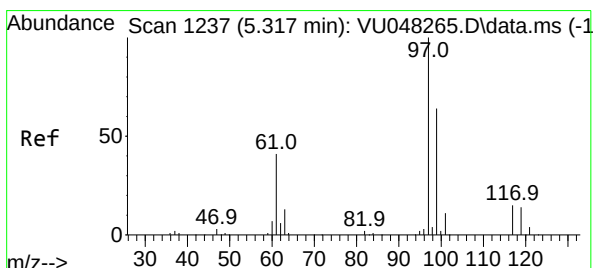
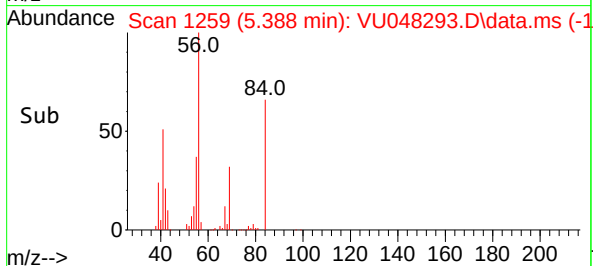
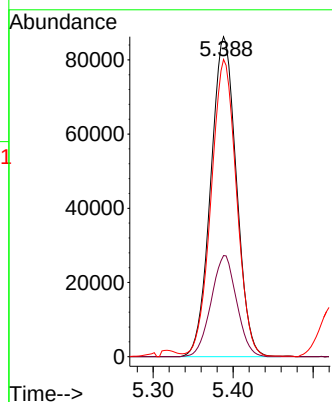
Tgt Ion: 56 Resp: 191742

Ion Ratio Lower Upper

56 100

69 31.5 24.2 36.4

84 92.2 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 51.864 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

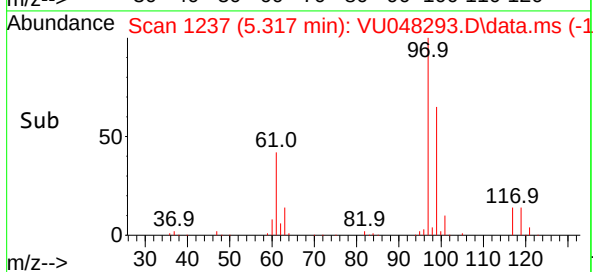
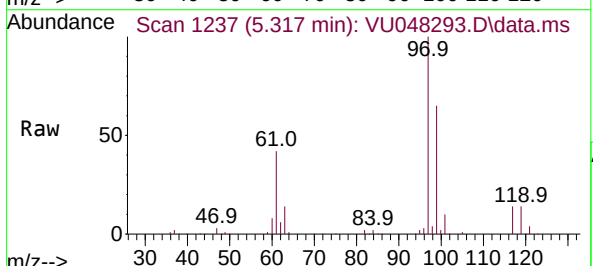
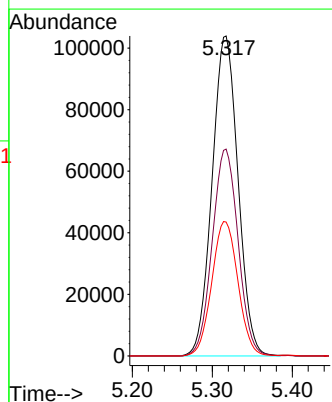
Tgt Ion: 97 Resp: 234357

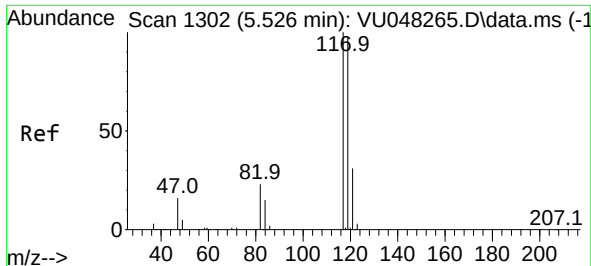
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 42.4 33.9 50.9

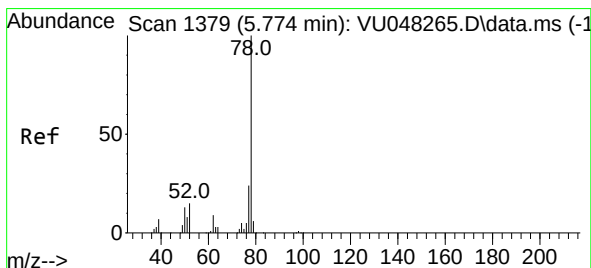
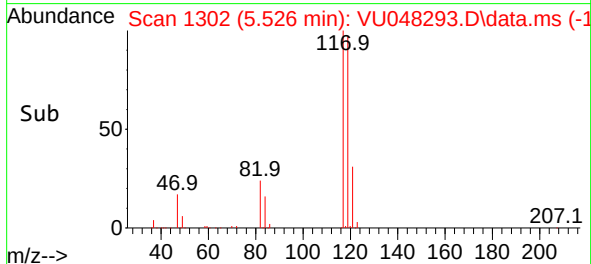
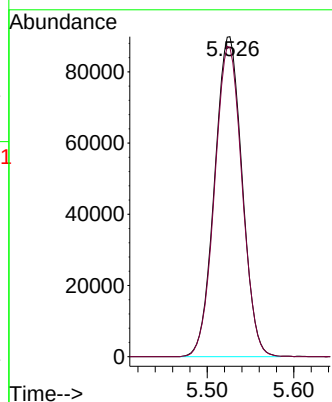
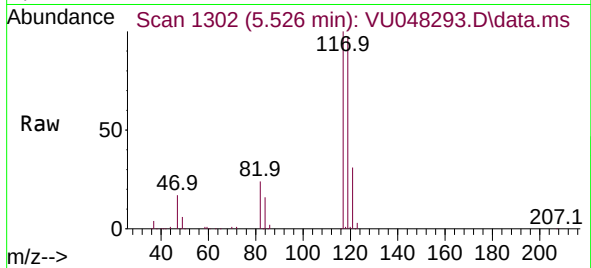




#31
Carbon tetrachloride
Concen: 51.483 ug/L
RT: 5.526 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

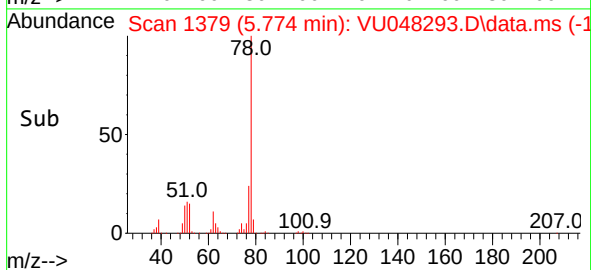
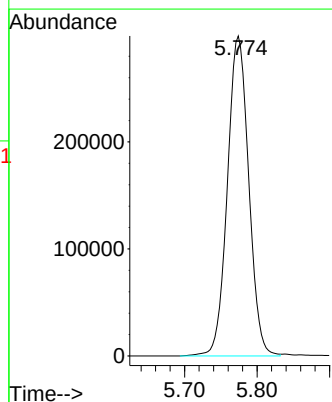
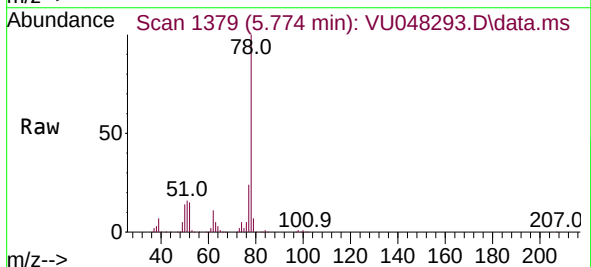
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

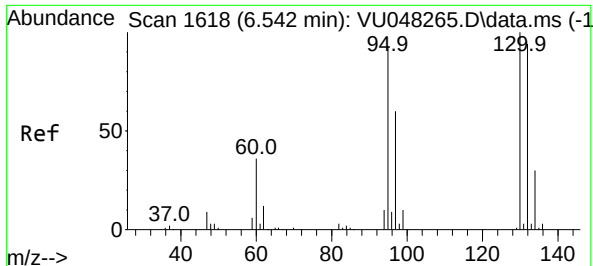
Tgt Ion:117 Resp: 198280
Ion Ratio Lower Upper
117 100
119 96.8 77.1 115.7



#33
Benzene
Concen: 51.679 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 78 Resp: 611394

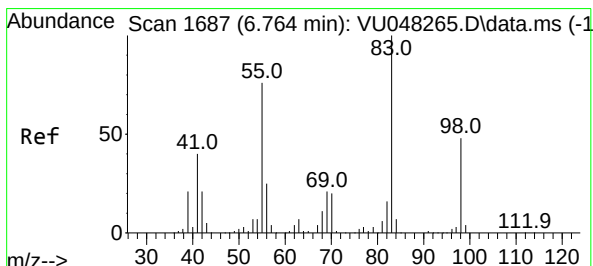
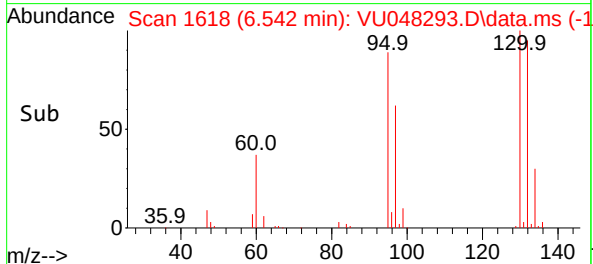
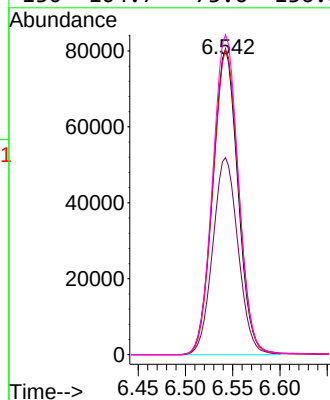
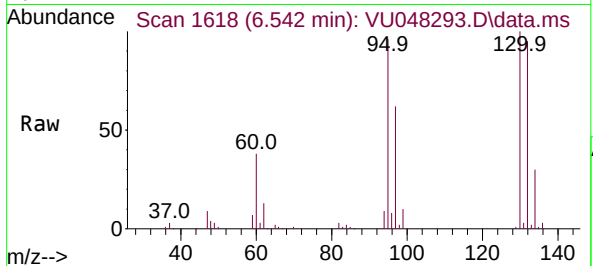




#34
Trichloroethene
Concen: 51.579 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

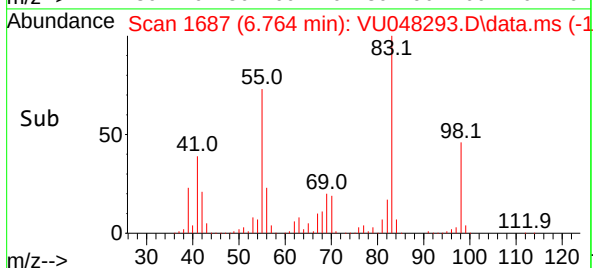
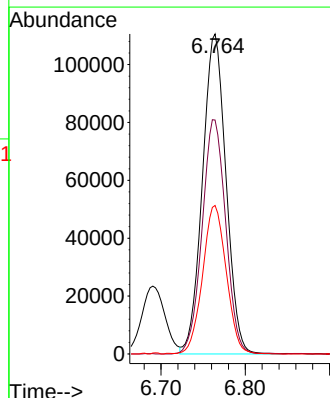
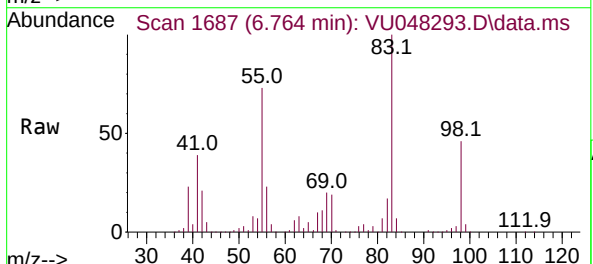
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

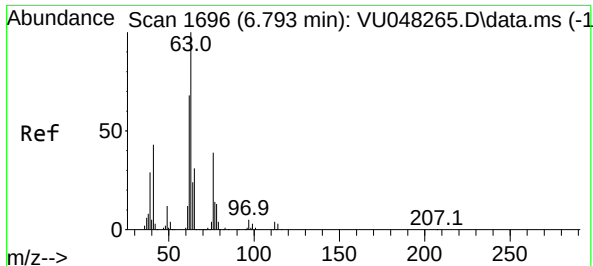
Tgt Ion: 95 Resp: 149571
Ion Ratio Lower Upper
95 100
97 64.5 45.8 85.2
132 99.7 71.6 133.0
130 104.7 73.6 136.8



#35
Methylcyclohexane
Concen: 52.881 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 83 Resp: 215290
Ion Ratio Lower Upper
83 100
55 73.2 59.4 89.2
98 46.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 49.723 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

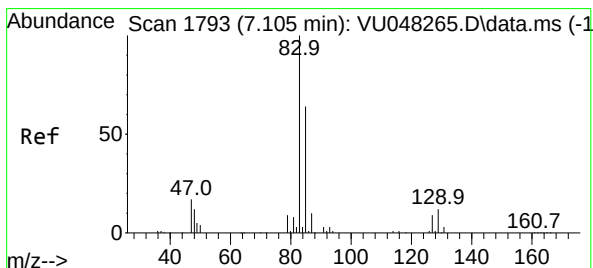
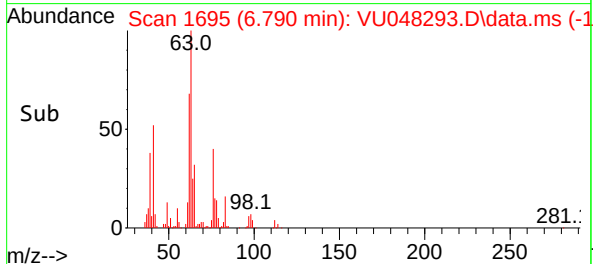
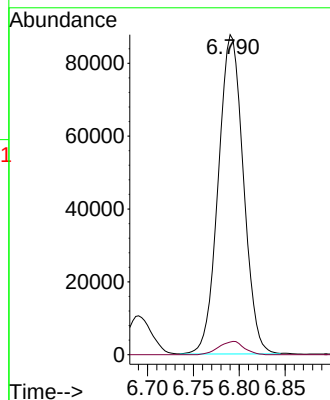
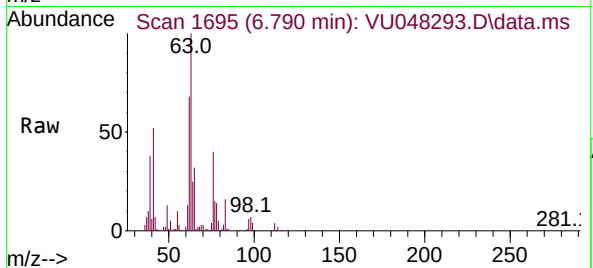
VSTD050101

Tgt Ion: 63 Resp: 167367

Ion Ratio Lower Upper

63 100

112 4.2 3.1 4.7



#38

Bromodichloromethane

Concen: 51.491 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

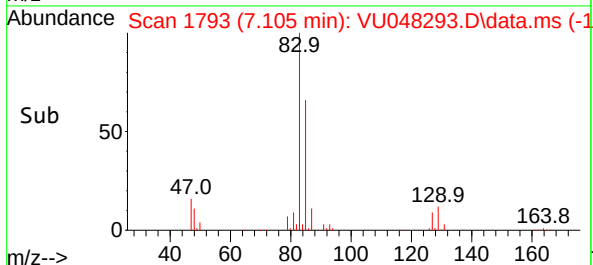
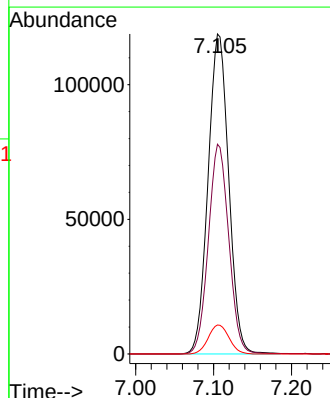
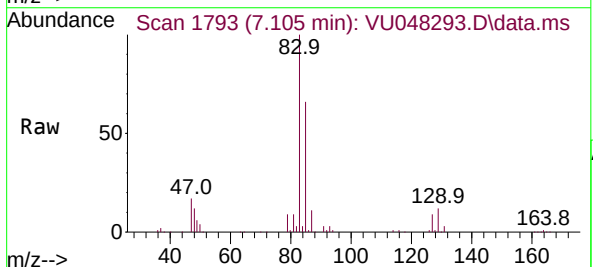
Tgt Ion: 83 Resp: 218879

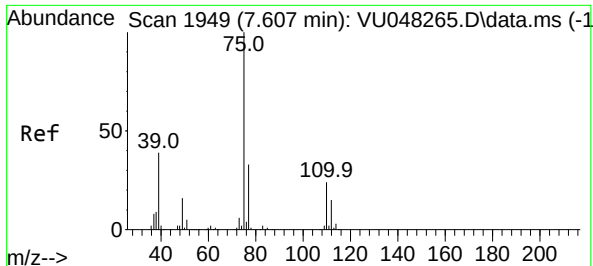
Ion Ratio Lower Upper

83 100

85 65.6 45.3 84.1

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 52.521 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

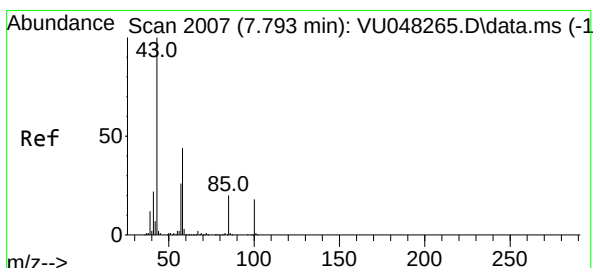
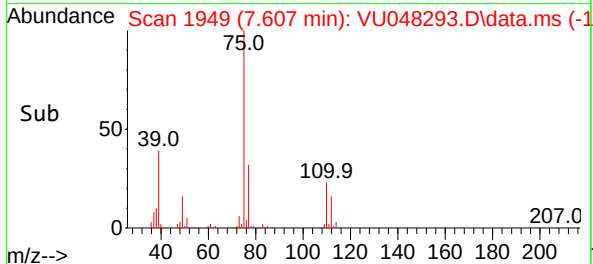
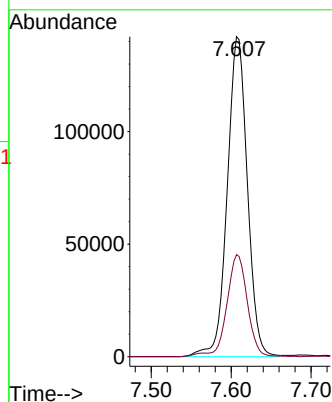
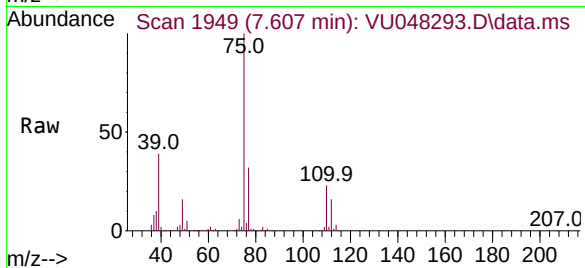
VSTD050101

Tgt Ion: 75 Resp: 248594

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 104.037 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

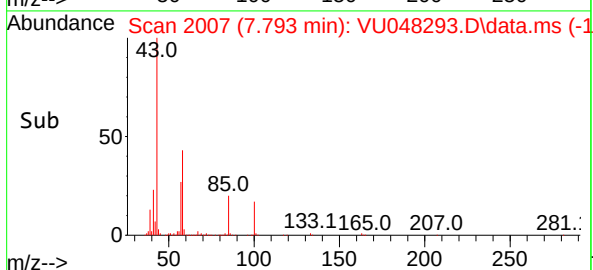
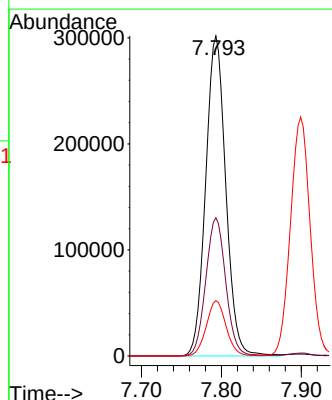
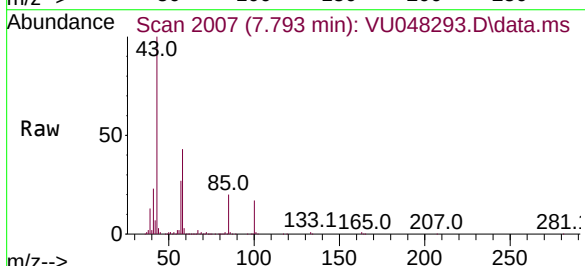
Tgt Ion: 43 Resp: 528180

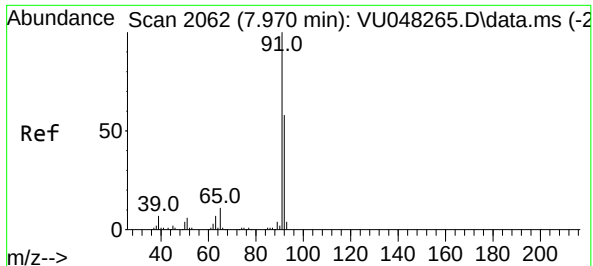
Ion Ratio Lower Upper

43 100

58 43.0 34.4 51.6

100 17.0 13.6 20.4





#42

Toluene

Concen: 53.865 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

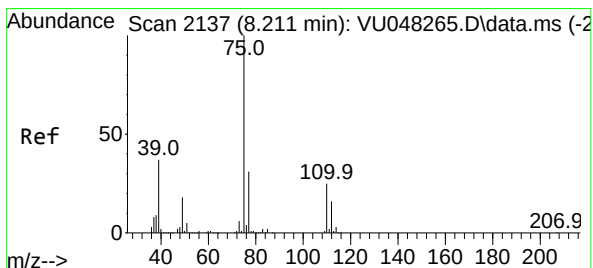
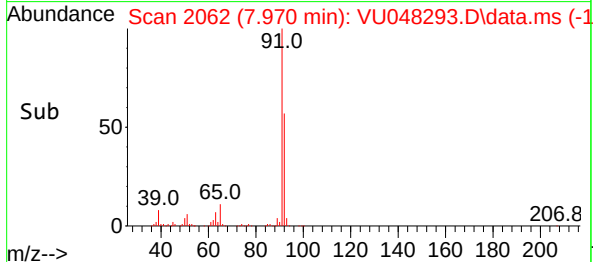
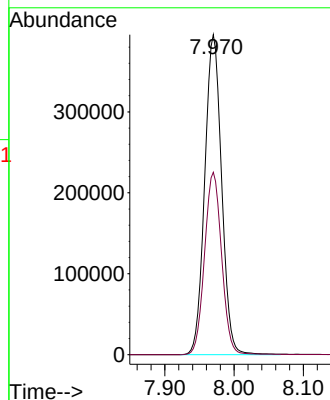
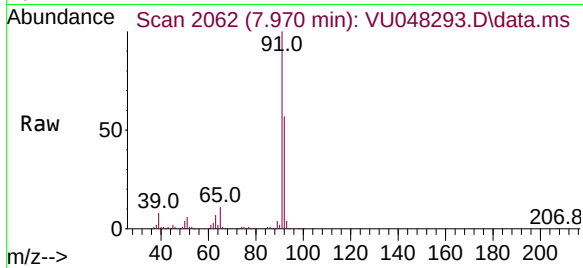
VSTD050101

Tgt Ion: 91 Resp: 669058

Ion Ratio Lower Upper

91 100

92 57.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.813 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048293.D

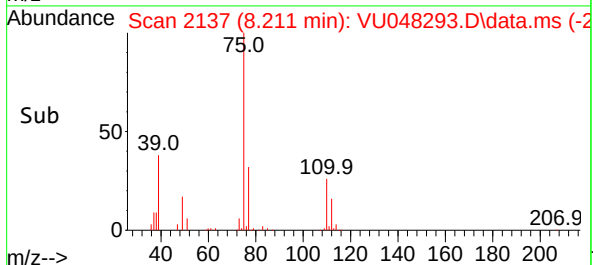
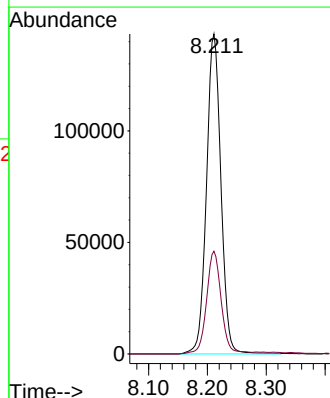
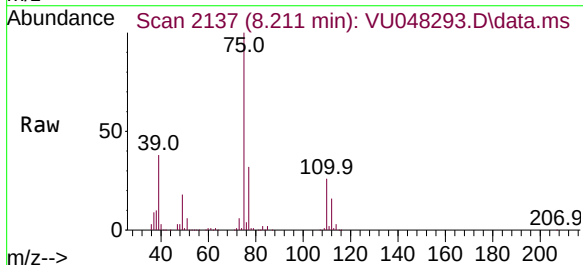
Acq: 26 Apr 2022 11:36

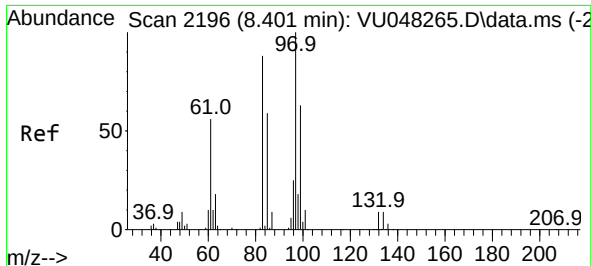
Tgt Ion: 75 Resp: 244203

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1



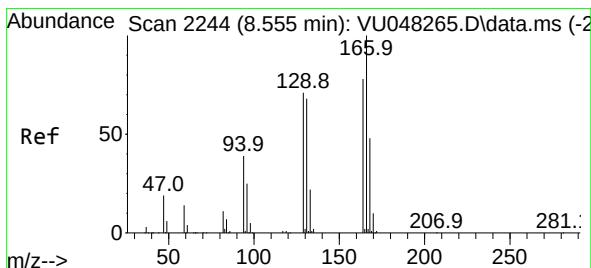
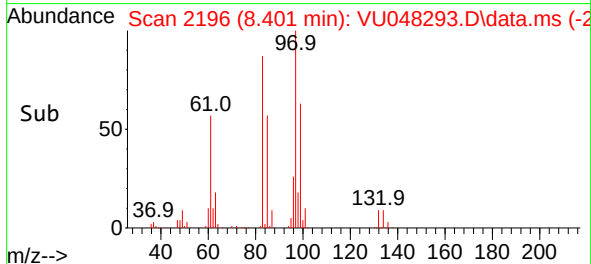
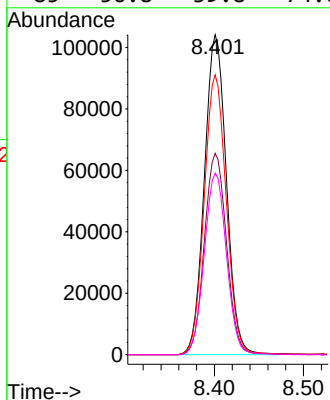
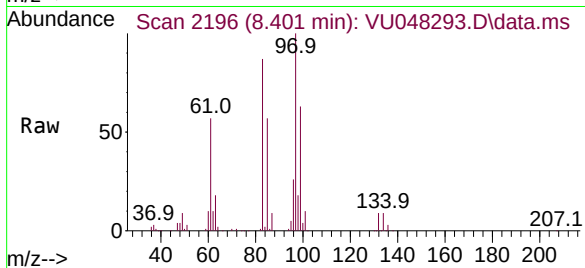


#45
1,1,2-Trichloroethane
Concen: 50.628 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

Tgt Ion: 97 Resp: 178793

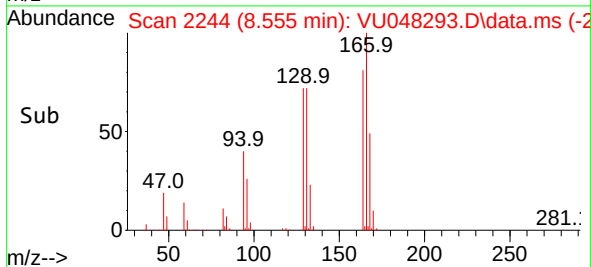
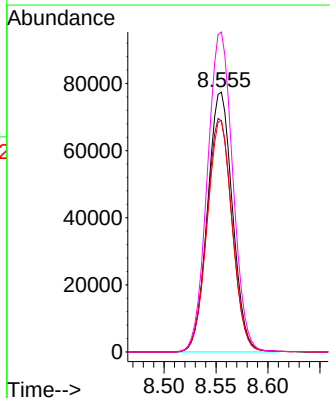
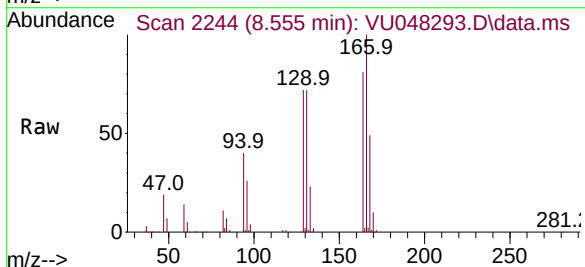
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.7	81.1
83	87.5	62.6	116.2
85	56.8	39.8	74.0

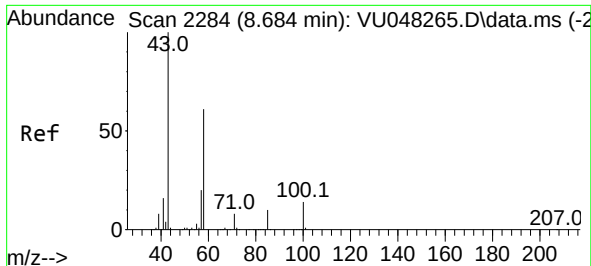


#46
Tetrachloroethene
Concen: 52.056 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 164 Resp: 129553

Ion	Ratio	Lower	Upper
164	100		
129	88.9	63.3	117.7
131	89.1	61.2	113.6
166	123.2	88.9	165.1

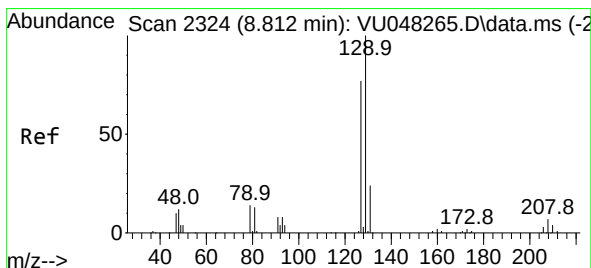
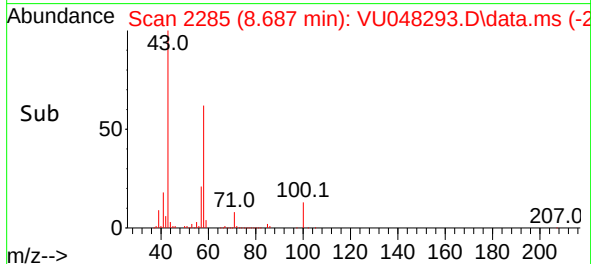
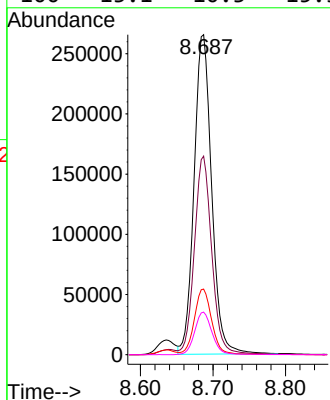
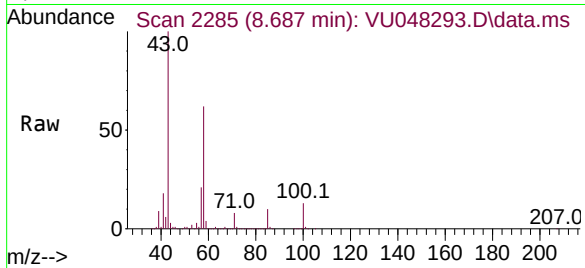




#48
2-Hexanone
Concen: 105.429 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

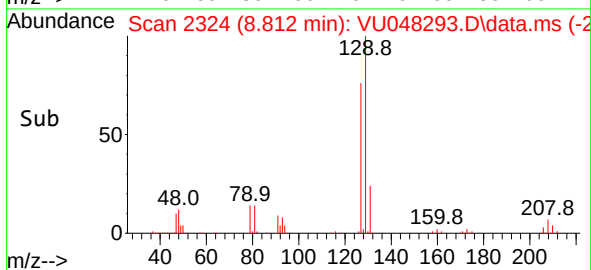
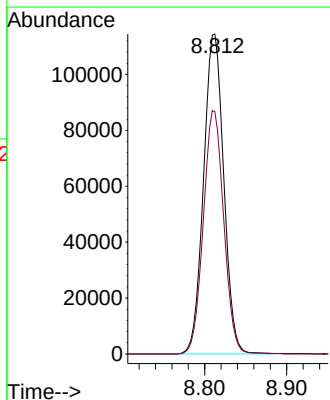
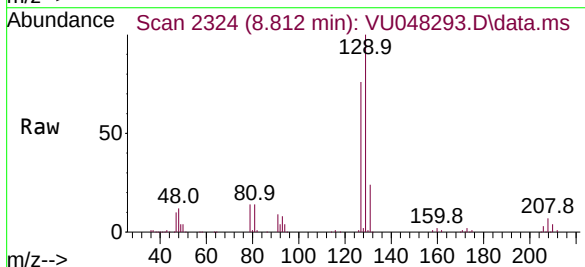
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

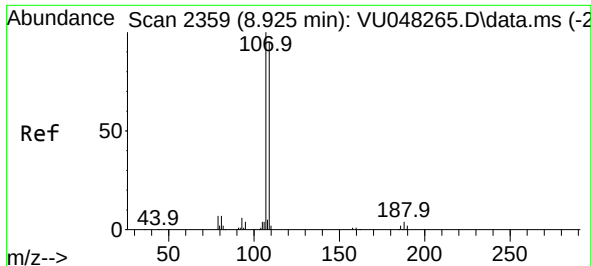
Tgt Ion: 43 Resp: 446965
Ion Ratio Lower Upper
43 100
58 61.9 48.1 72.1
57 20.3 16.2 24.4
100 13.1 10.3 15.5



#49
Dibromochloromethane
Concen: 50.593 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 129 Resp: 196333
Ion Ratio Lower Upper
129 100
127 75.7 53.8 99.8





#50

1,2-Dibromoethane

Concen: 51.963 ug/L

RT: 8.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

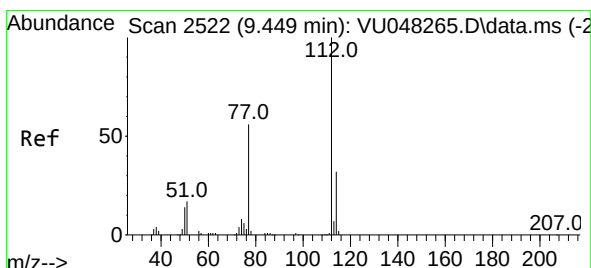
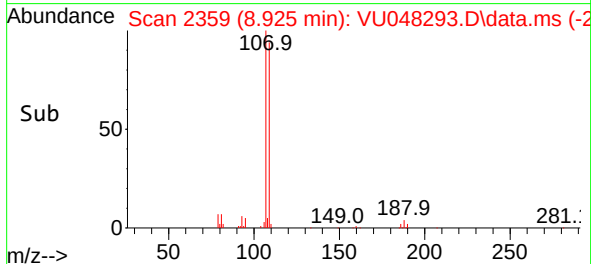
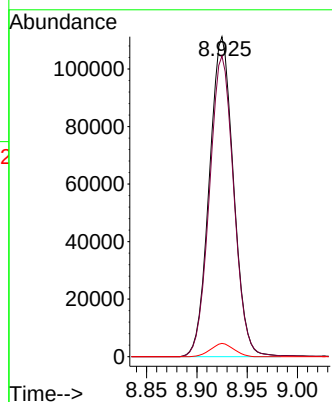
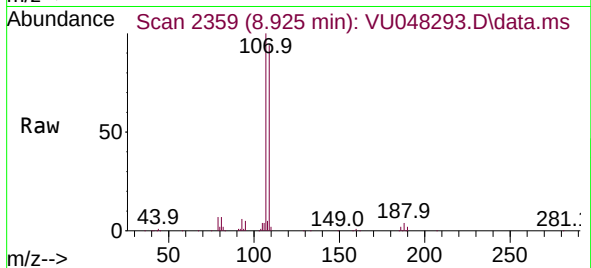
Tgt Ion:107 Resp: 186095

Ion Ratio Lower Upper

107 100

109 94.0 65.0 120.8

188 4.1 3.1 4.7



#51

Chlorobenzene

Concen: 51.428 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

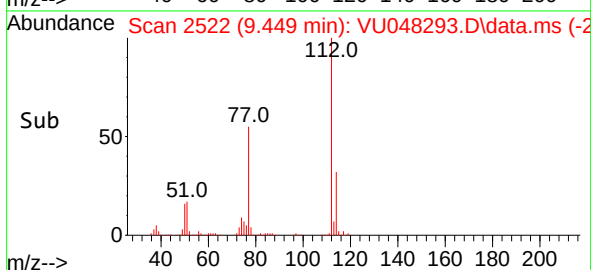
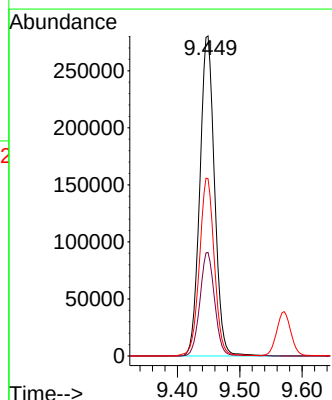
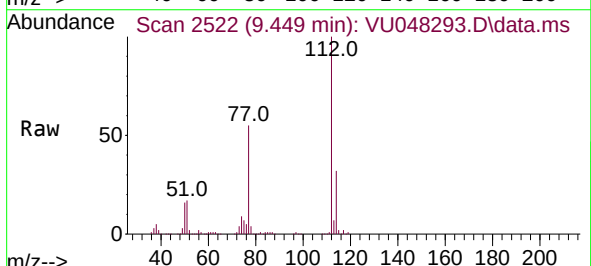
Tgt Ion:112 Resp: 460440

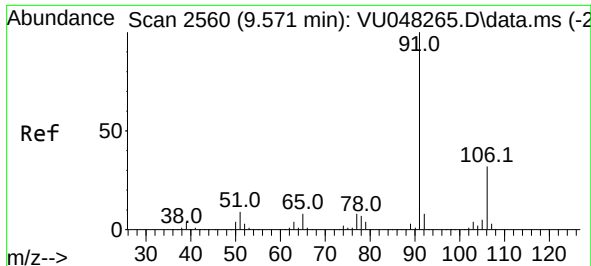
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.1

77 55.4 44.3 66.5

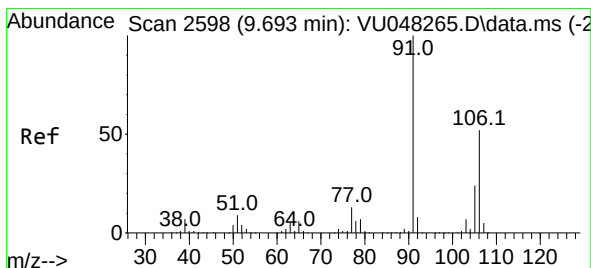
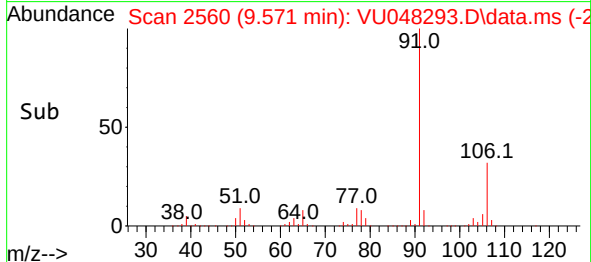
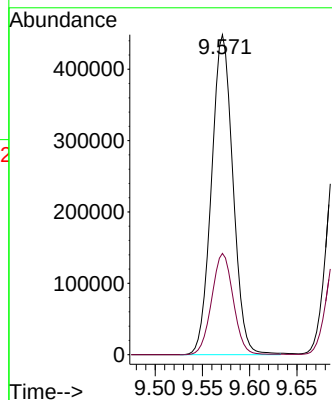
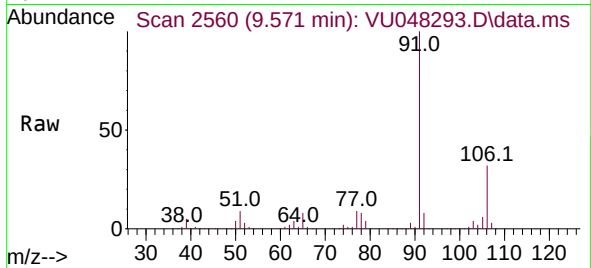




#52
Ethylbenzene
Concen: 54.991 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

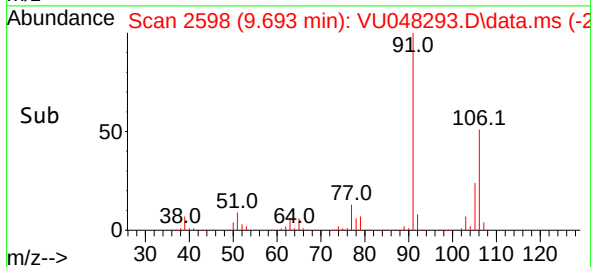
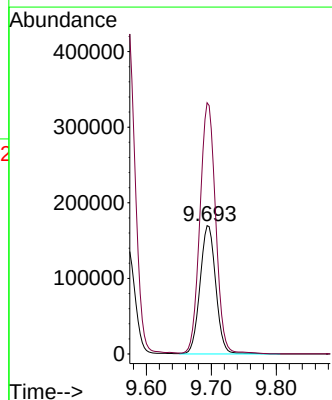
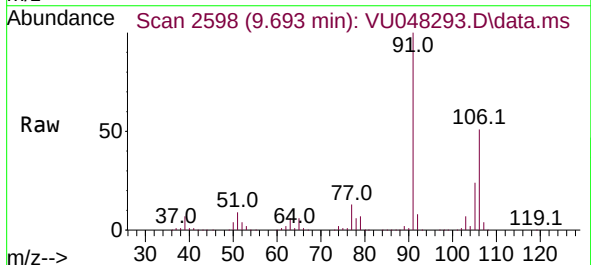
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

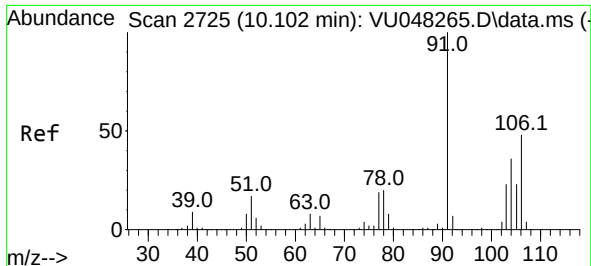
Tgt Ion: 91 Resp: 707373
Ion Ratio Lower Upper
91 100
106 31.6 22.5 41.9



#53
m,p-Xylene
Concen: 56.483 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 106 Resp: 286719
Ion Ratio Lower Upper
106 100
91 195.8 137.4 255.2

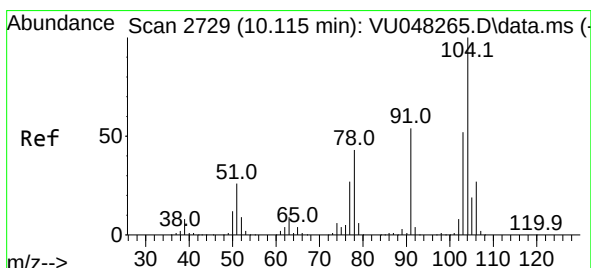
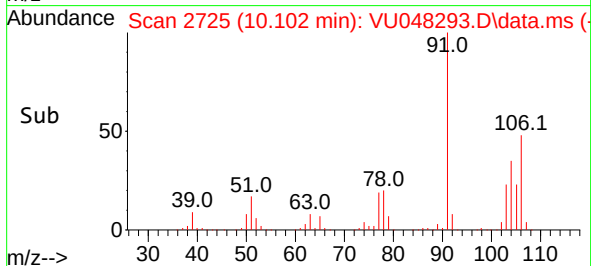
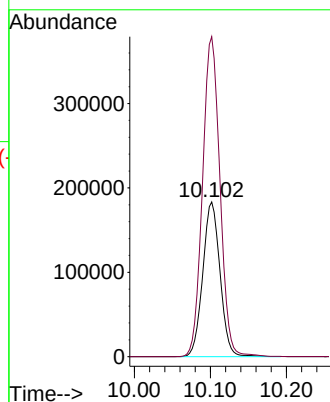
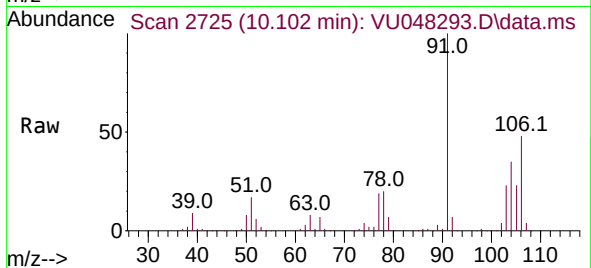




#54
o-Xylene
Concen: 56.577 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

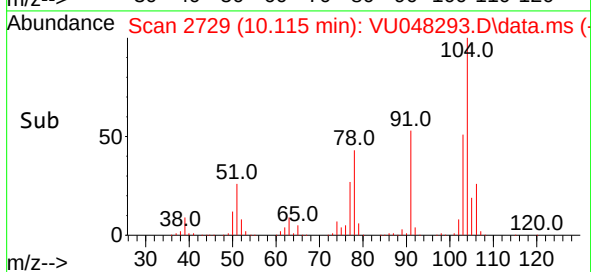
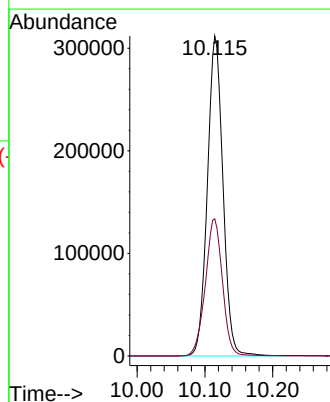
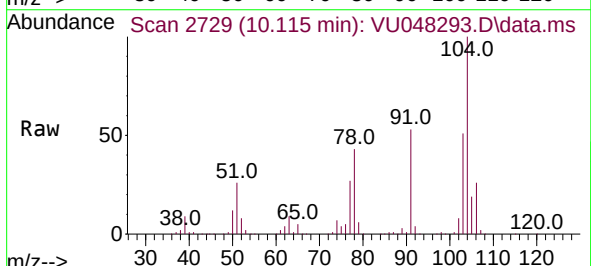
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

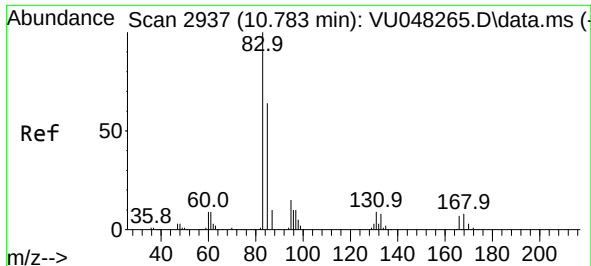
Tgt Ion:106 Resp: 289324
Ion Ratio Lower Upper
106 100
91 206.8 145.3 269.8



#55
Styrene
Concen: 57.189 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion:104 Resp: 498218
Ion Ratio Lower Upper
104 100
78 42.9 30.3 56.3





#57

1,1,2,2-Tetrachloroethane

Concen: 50.933 ug/L

RT: 10.783 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD050101

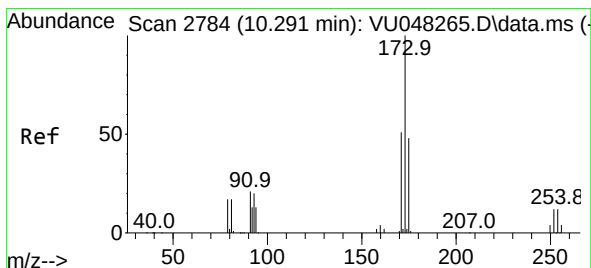
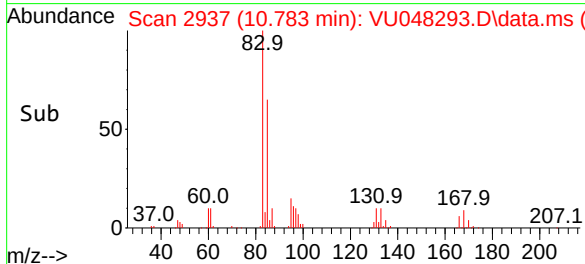
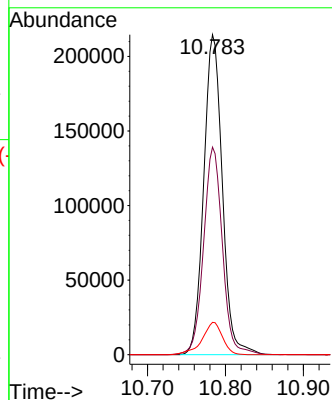
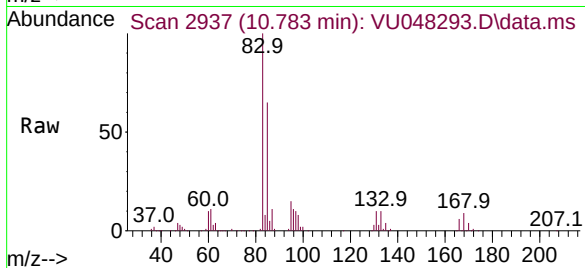
Tgt Ion: 83 Resp: 355001

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.7

131 10.1 7.8 11.6



#59

Bromoform

Concen: 50.722 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

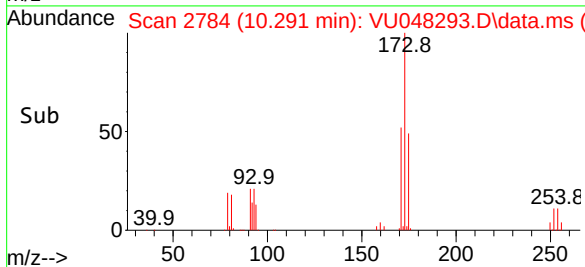
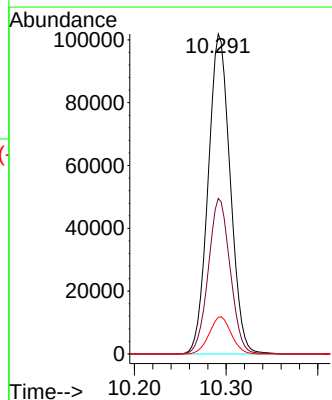
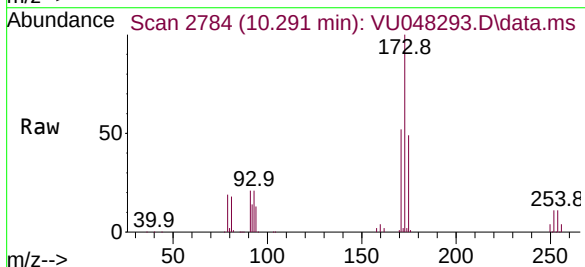
Tgt Ion: 173 Resp: 169814

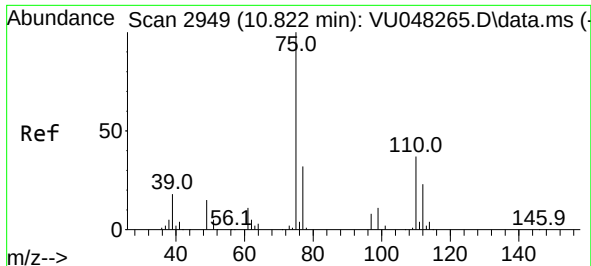
Ion Ratio Lower Upper

173 100

175 48.2 38.9 58.3

254 11.6 9.5 14.3

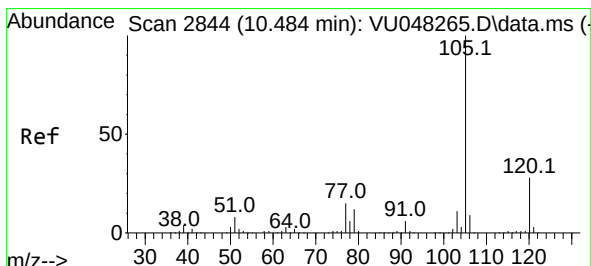
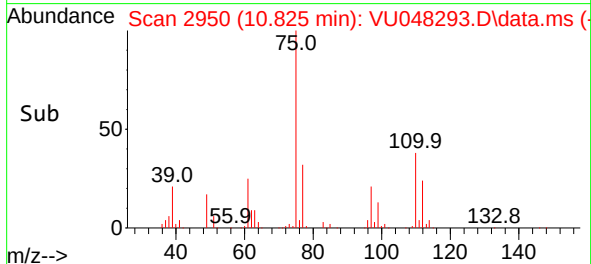
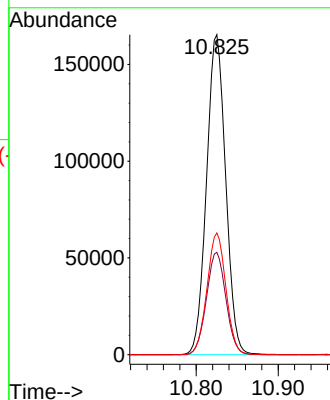
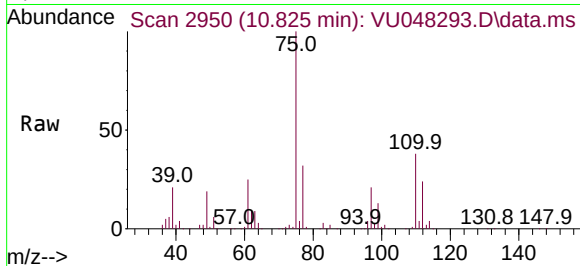




#60
1,2,3-Trichloropropane
Concen: 49.956 ug/L
RT: 10.825 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

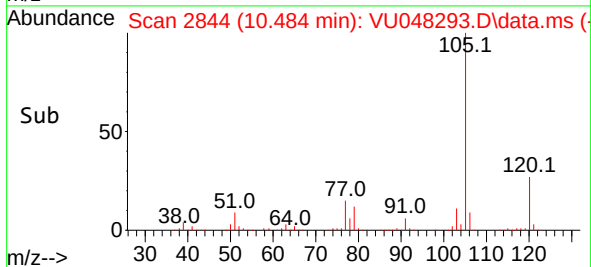
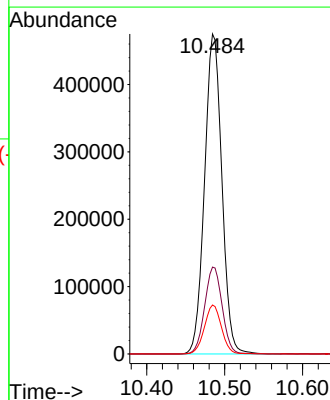
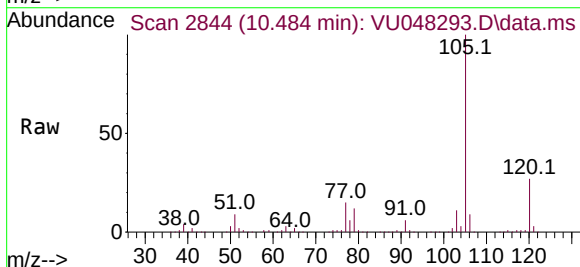
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

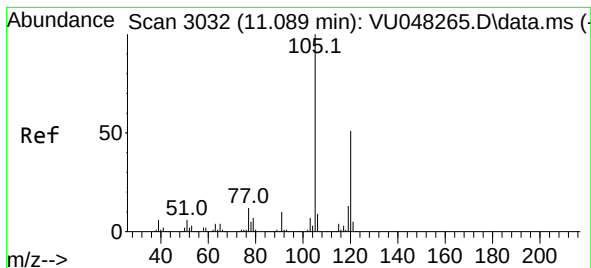
Tgt Ion: 75 Resp: 268849
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.8
110 37.7 29.9 44.9



#61
Isopropylbenzene
Concen: 56.806 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 105 Resp: 732722
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5
77 15.1 11.7 17.5





#62

1,3,5-Trimethylbenzene

Concen: 57.199 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU048293.D

Acq: 26 Apr 2022 11:36

Instrument :

MSVOA_U

ClientSampleId :

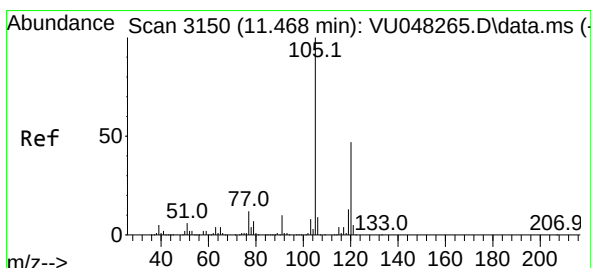
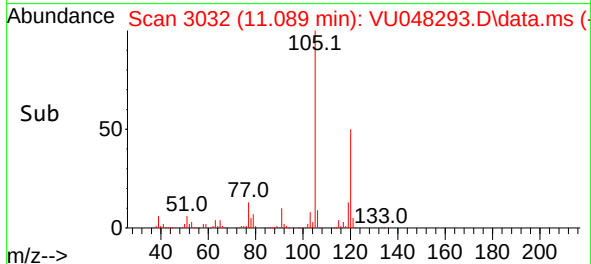
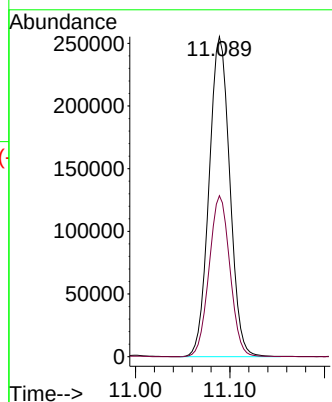
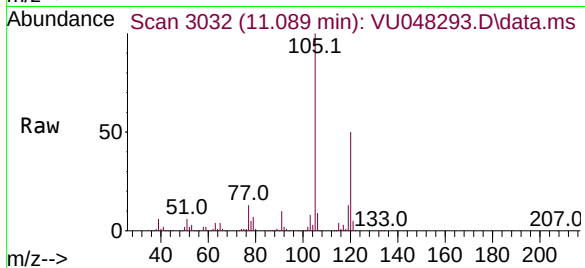
VSTD050101

Tgt Ion:105 Resp: 388862

Ion Ratio Lower Upper

105 100

120 50.5 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 58.964 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU048293.D

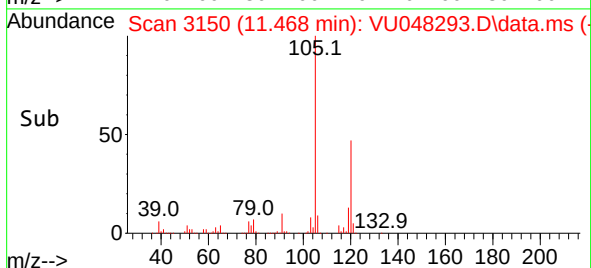
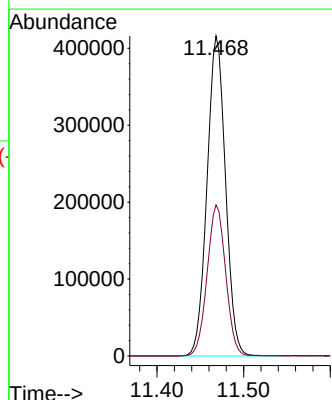
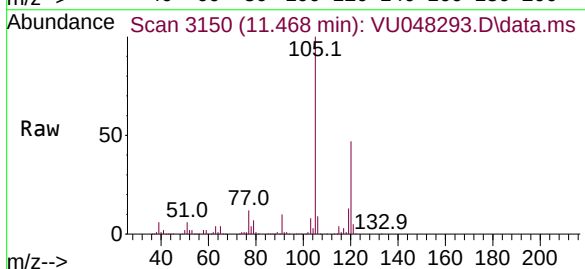
Acq: 26 Apr 2022 11:36

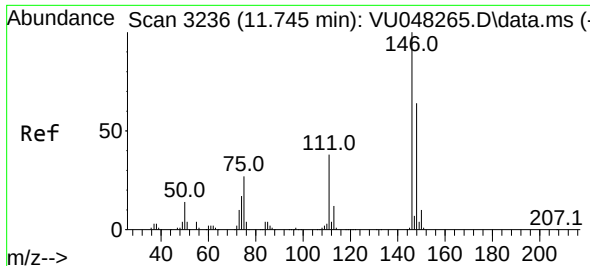
Tgt Ion:105 Resp: 616302

Ion Ratio Lower Upper

105 100

120 47.4 38.0 57.0

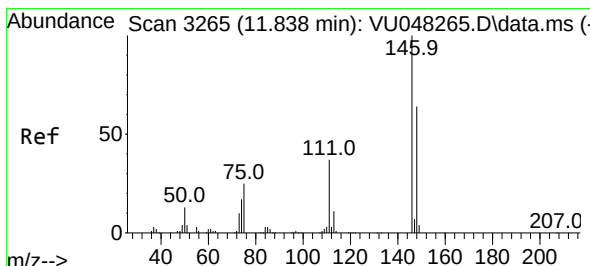
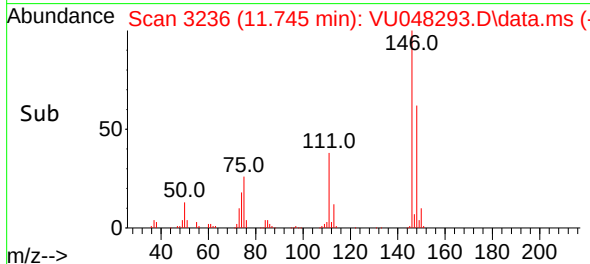
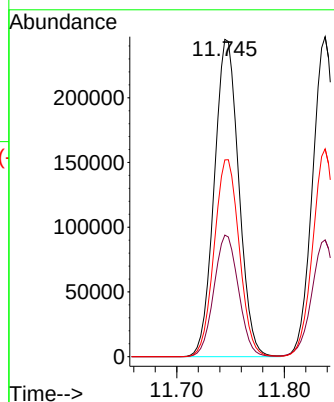
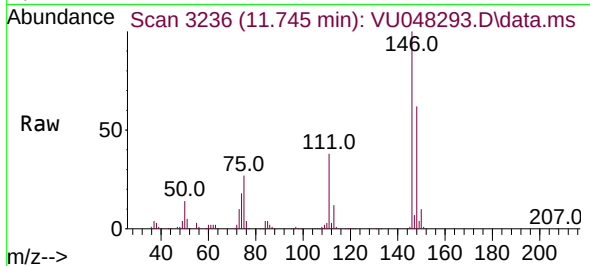




#64
1,3-Dichlorobenzene
Concen: 53.815 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

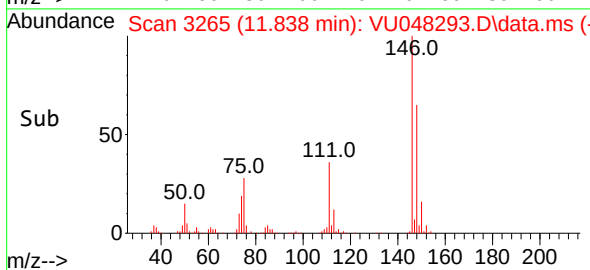
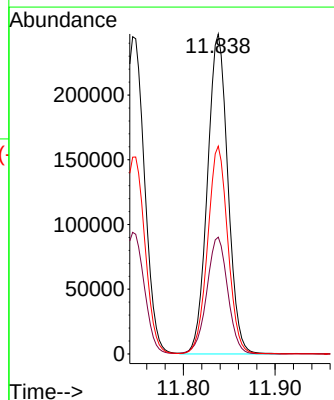
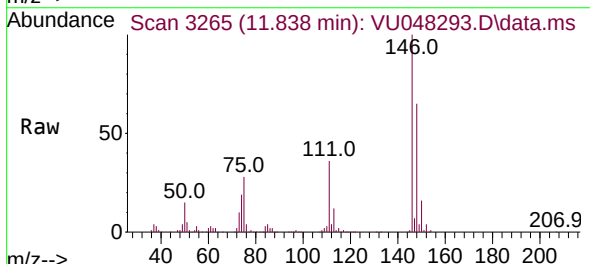
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

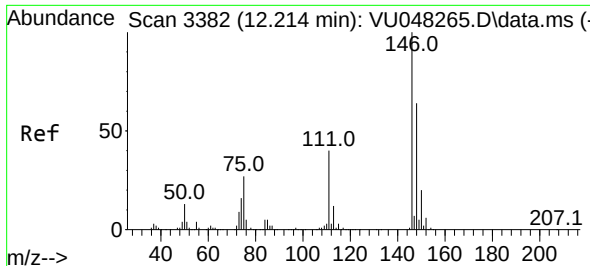
Tgt Ion:146 Resp: 389159
Ion Ratio Lower Upper
146 100
111 38.3 26.7 49.7
148 62.0 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 51.811 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion:146 Resp: 382501
Ion Ratio Lower Upper
146 100
111 36.5 25.9 48.1
148 65.0 45.1 83.7

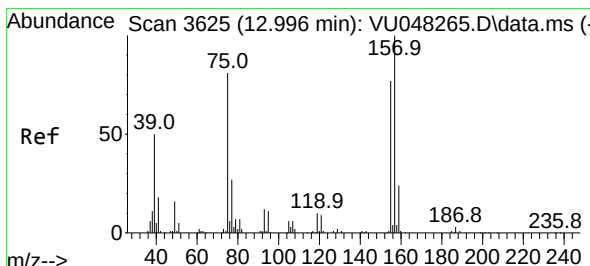
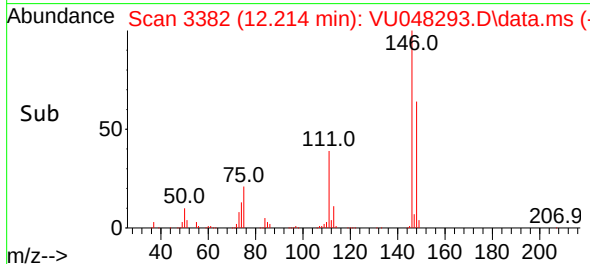
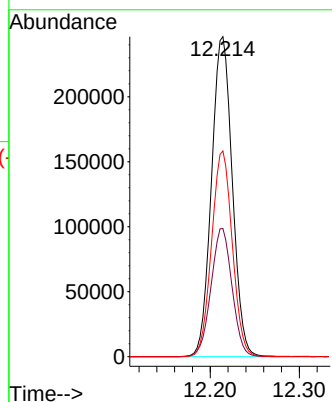
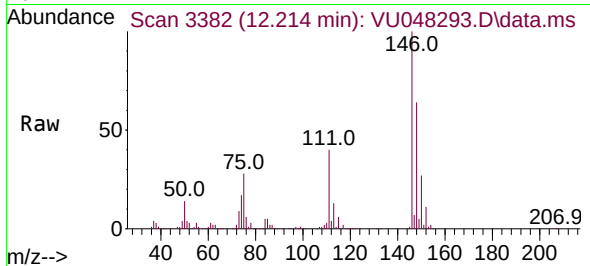




#67
1,2-Dichlorobenzene
Concen: 52.459 ug/L
RT: 12.214 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

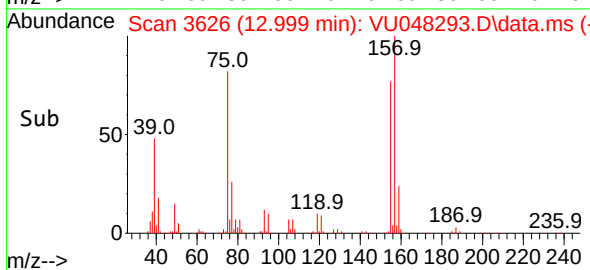
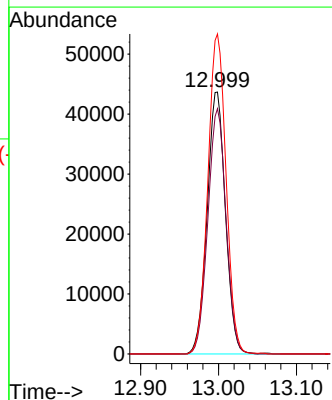
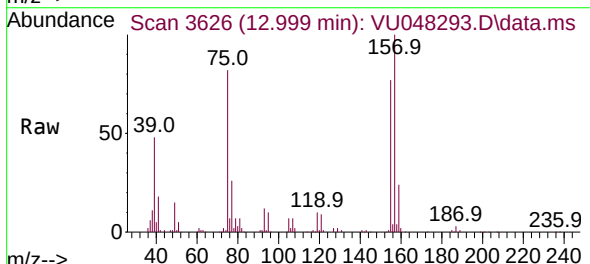
Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

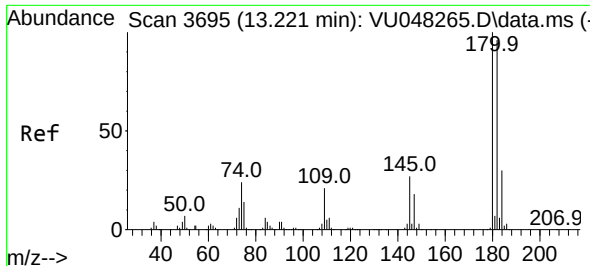
Tgt Ion:146 Resp: 399627
Ion Ratio Lower Upper
146 100
111 40.1 31.7 47.5
148 64.3 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 49.623 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.003 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion: 75 Resp: 71292
Ion Ratio Lower Upper
75 100
155 93.7 71.8 107.6
157 122.2 93.4 140.2



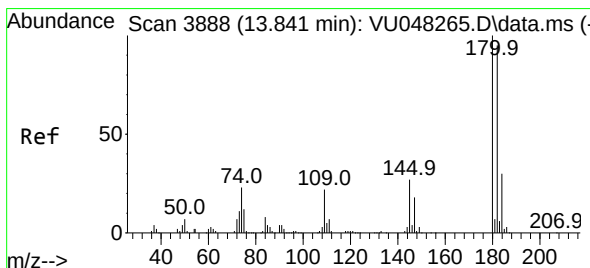
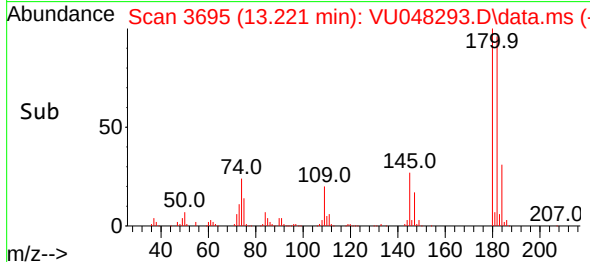
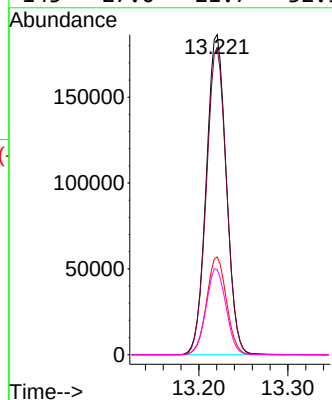
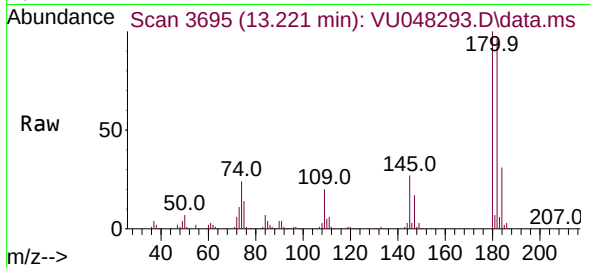


#69
 1,3,5-Trichlorobenzene
 Concen: 54.040 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. -0.000 min
 Lab File: VU048293.D
 Acq: 26 Apr 2022 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050101

Tgt Ion:180 Resp: 290382

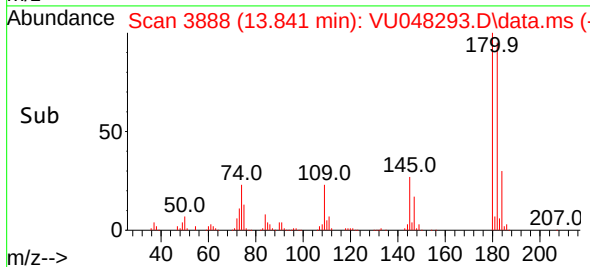
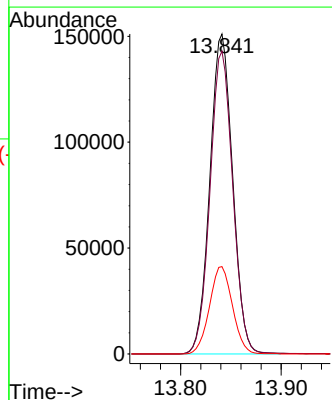
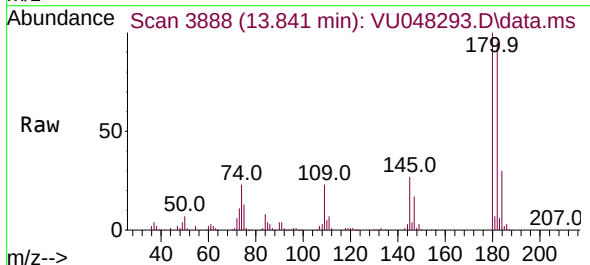
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
184	30.5	24.6	37.0
145	27.0	21.7	32.5

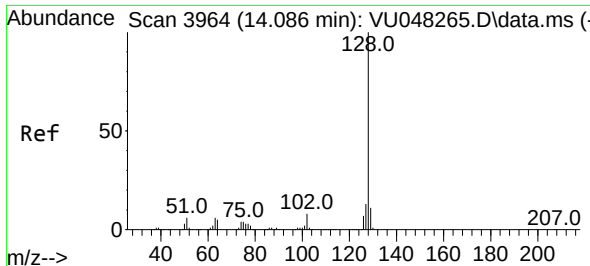


#70
 1,2,4-trichlorobenzene
 Concen: 55.944 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. -0.000 min
 Lab File: VU048293.D
 Acq: 26 Apr 2022 11:36

Tgt Ion:180 Resp: 237492

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.3	114.5
145	27.6	22.6	33.8

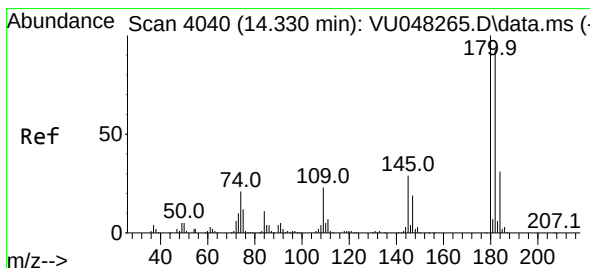
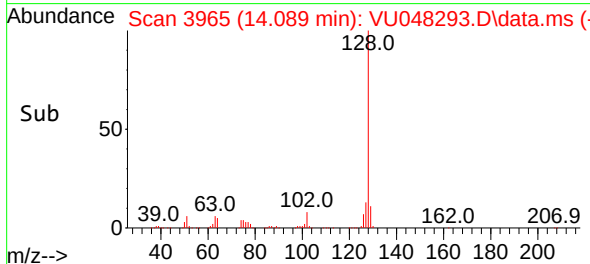
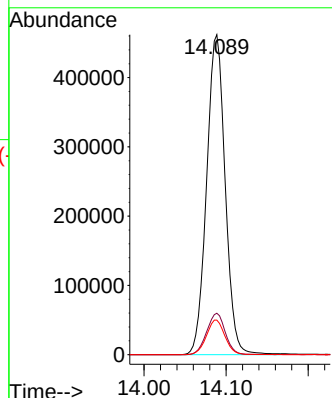
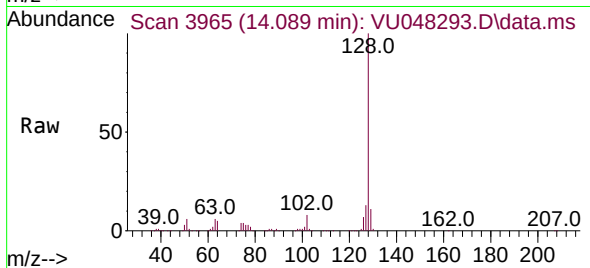




#71
Naphthalene
Concen: 59.928 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD050101

Tgt Ion:128 Resp: 728059
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 56.706 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.000 min
Lab File: VU048293.D
Acq: 26 Apr 2022 11:36

Tgt Ion:180 Resp: 246704
Ion Ratio Lower Upper
180 100
182 97.6 75.8 113.6
145 30.1 23.5 35.3

