

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042622\
 Data File : U048301.D
 Acq On : 26 Apr 2022 15:29
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

Quant Time: Apr 27 03:54:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042522WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 27 03:51:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	378432	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	386507	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	221346	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	172161	49.472	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.940%
7) Chloroethane-d5	1.899	69	124278	50.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.760%
11) 1,1-Dichloroethene-d2	2.568	63	271981	48.778	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.560%
21) 2-Butanone-d5	4.620	46	247605	83.423	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.420%
24) Chloroform-d	5.063	84	308366	48.854	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.700%
26) 1,2-Dichloroethane-d4	5.703	65	185183	49.446	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.900%
32) Benzene-d6	5.729	84	629917	51.675	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.360%
36) 1,2-Dichloropropane-d6	6.693	67	196966	48.875	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.740%
41) Toluene-d8	7.899	98	605919	54.837	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.680%
43) trans-1,3-Dichloroprop...	8.179	79	91860	51.657	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.320%
47) 2-Hexanone-d5	8.636	63	186765	85.897	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.900%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	329205	46.577	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.160%
66) 1,2-Dichlorobenzene-d4	12.195	152	249264	50.061	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	139002	48.610	ug/L	100
3) Chloromethane	1.523	50	144849	44.256	ug/L	99
5) Vinyl chloride	1.607	62	162400	49.239	ug/L	98
6) Bromomethane	1.835	94	100650	66.400	ug/L	99
8) Chloroethane	1.922	64	104162	55.853	ug/L	97
9) Trichlorofluoromethane	2.134	101	225539	52.472	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	143443	50.317	ug/L	100
12) 1,1-Dichloroethene	2.578	96	122607	49.271	ug/L	89
13) Acetone	2.623	43	159520	83.718	ug/L	100
14) Carbon disulfide	2.793	76	284614	46.929	ug/L	100
15) Methyl Acetate	2.944	43	174420	46.113	ug/L	98
16) Methylene chloride	3.047	84	161108	50.218	ug/L	97
17) trans-1,2-Dichloroethene	3.353	96	132646	51.312	ug/L	96
18) Methyl tert-butyl Ether	3.362	73	450728	52.845	ug/L	99
19) 1,1-Dichloroethane	3.870	63	269358	49.828	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	163054	52.327	ug/L	95
22) 2-Butanone	4.700	43	255217	90.578	ug/L	98
23) Bromochloromethane	4.976	128	91474	52.581	ug/L	96
25) Chloroform	5.089	83	288894	52.335	ug/L	99

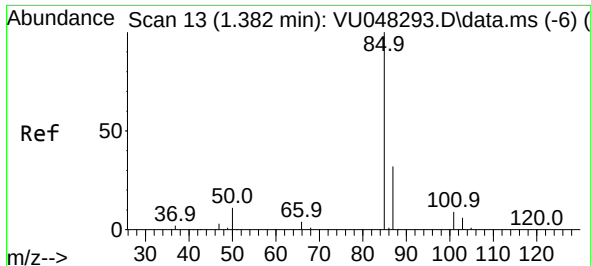
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042622\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	214647	53.310	ug/L	98
29) Cyclohexane	5.391	56	189870	51.993	ug/L	98
30) 1,1,1-Trichloroethane	5.317	97	236495	54.108	ug/L	99
31) Carbon tetrachloride	5.526	117	201171	54.002	ug/L	100
33) Benzene	5.774	78	619317	54.120	ug/L	100
34) Trichloroethene	6.542	95	150155	53.533	ug/L	99
35) Methylcyclohexane	6.764	83	213776	54.286	ug/L	99
37) 1,2-Dichloropropane	6.793	63	171694	52.734	ug/L	99
38) Bromodichloromethane	7.108	83	218896	53.237	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	244100	53.317	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	485961	98.960	ug/L	99
42) Toluene	7.970	91	670688	55.824	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	238186	53.254	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	176344	51.624	ug/L	99
46) Tetrachloroethene	8.555	164	130629	54.264	ug/L	99
48) 2-Hexanone	8.687	43	408320	99.572	ug/L	99
49) Dibromochloromethane	8.812	129	192043	51.162	ug/L	100
50) 1,2-Dibromoethane	8.925	107	182089	52.565	ug/L	99
51) Chlorobenzene	9.449	112	450945	52.072	ug/L	99
52) Ethylbenzene	9.571	91	689204	55.391	ug/L	100
53) m,p-Xylene	9.697	106	274538	55.913	ug/L	100
54) o-Xylene	10.102	106	282619	57.136	ug/L	100
55) Styrene	10.115	104	478327	56.764	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	340048	50.439	ug/L	99
59) Bromoform	10.295	173	161406	50.246	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	255699	49.519	ug/L	100
61) Isopropylbenzene	10.488	105	706737	57.105	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	372037	57.035	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	586681	58.500	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	371356	53.521	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	366142	51.689	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	380775	52.095	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	65363	47.417	ug/L	93
69) 1,3,5-Trichlorobenzene	13.221	180	276186	53.568	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	213851	52.502	ug/L	99
71) Naphthalene	14.089	128	595452	51.082	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	221583	53.082	ug/L	100

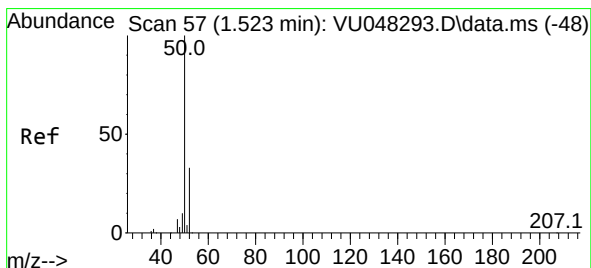
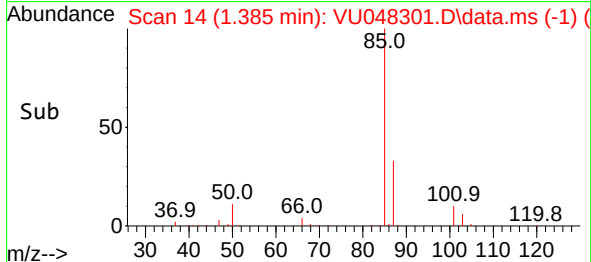
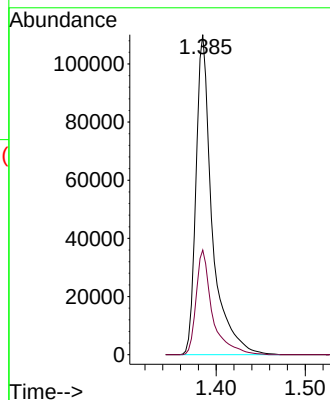
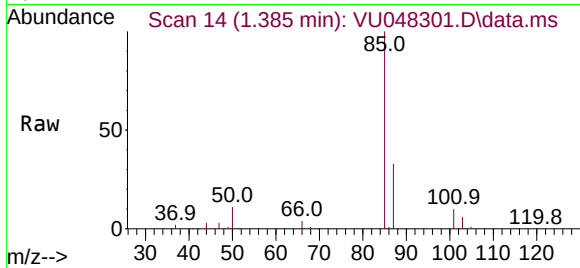
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 48.610 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

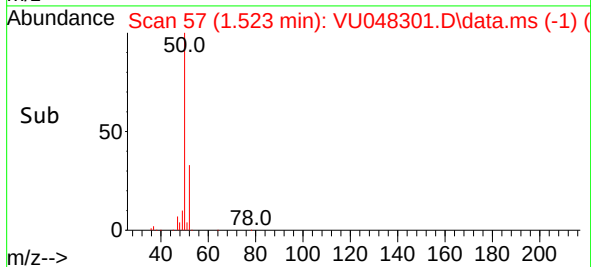
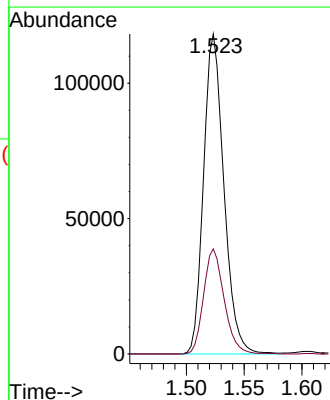
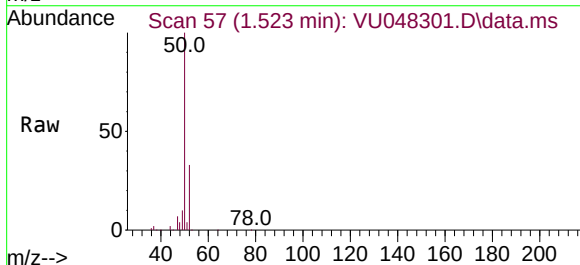
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

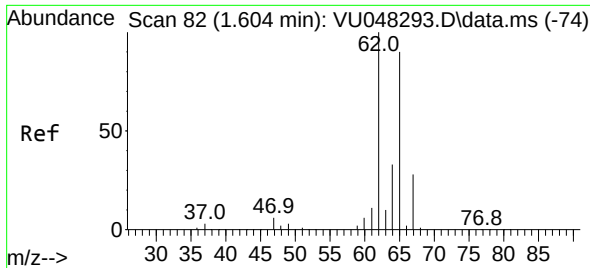
Tgt Ion: 85 Resp: 139002
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1



#3
Chloromethane
Concen: 44.256 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 50 Resp: 144849
Ion Ratio Lower Upper
50 100
52 32.9 23.2 43.2

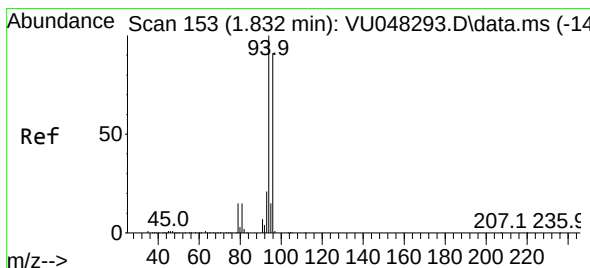
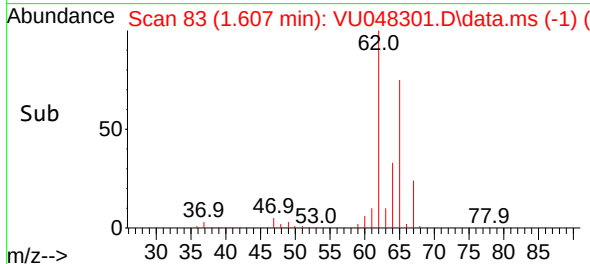
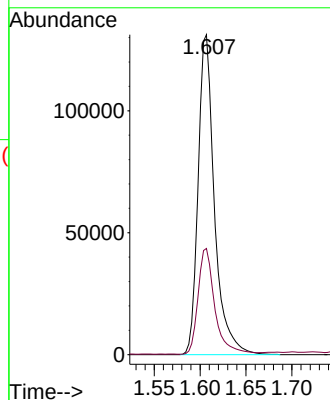
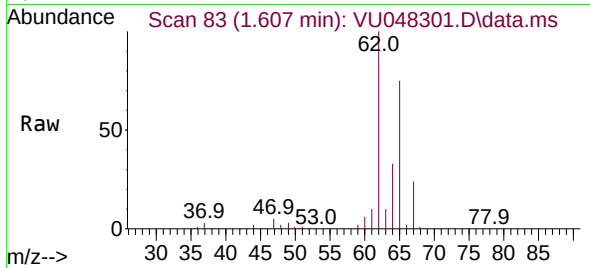




#5
 Vinyl chloride
 Concen: 49.239 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

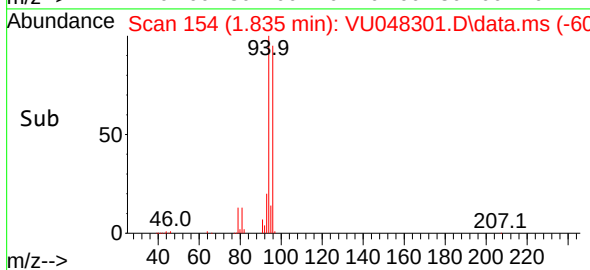
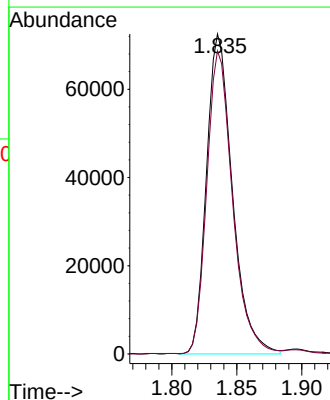
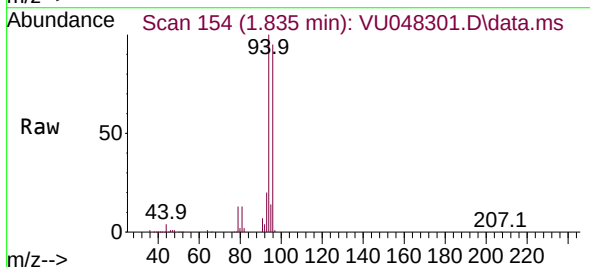
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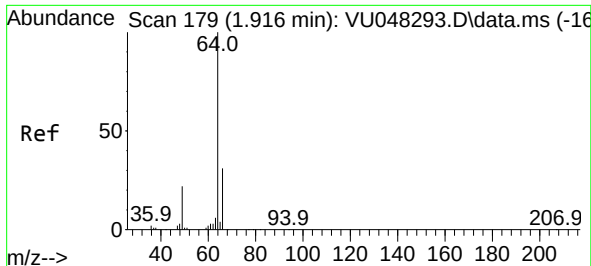
Tgt Ion: 62 Resp: 162400
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.5 41.7



#6
 Bromomethane
 Concen: 66.400 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. 0.003 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

Tgt Ion: 94 Resp: 100650
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.8 122.2

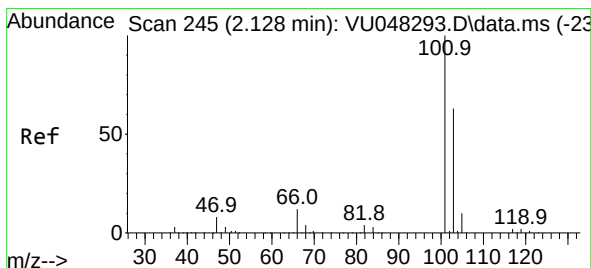
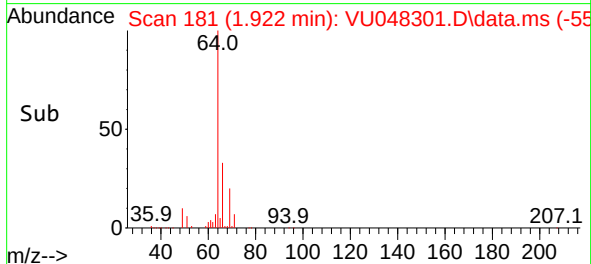
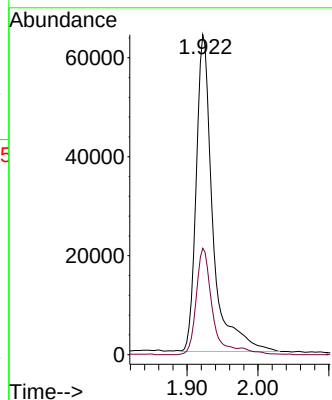
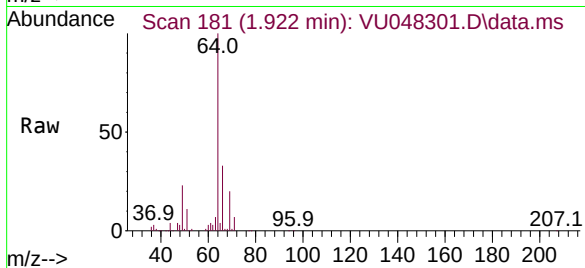




#8
Chloroethane
Concen: 55.853 ug/L
RT: 1.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

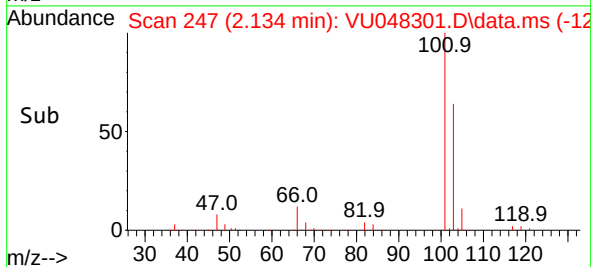
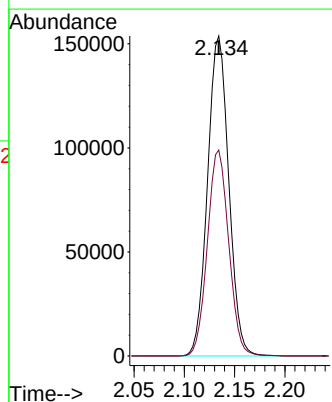
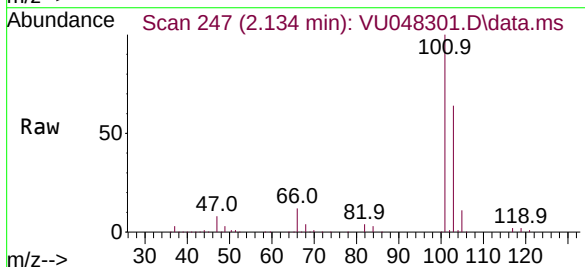
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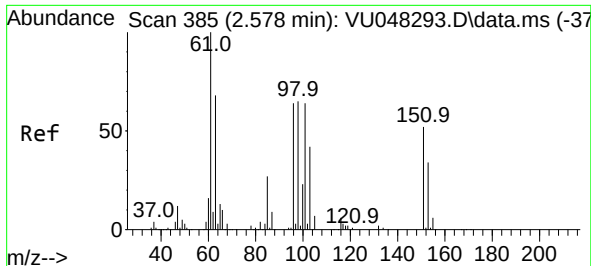
Tgt Ion: 64 Resp: 104162
Ion Ratio Lower Upper
64 100
66 33.2 21.9 40.7



#9
Trichlorofluoromethane
Concen: 52.472 ug/L
RT: 2.134 min Scan# 247
Delta R.T. 0.006 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion:101 Resp: 225539
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

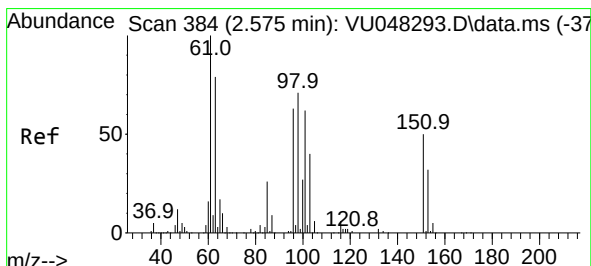
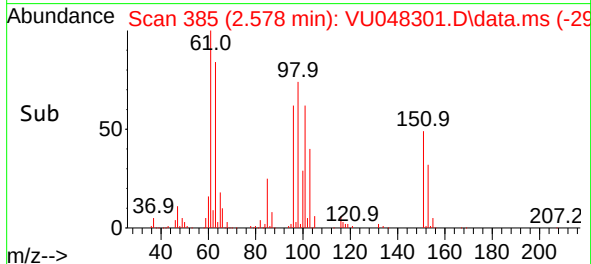
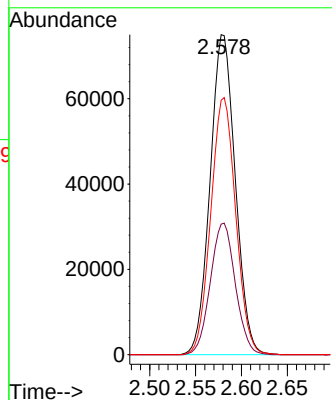
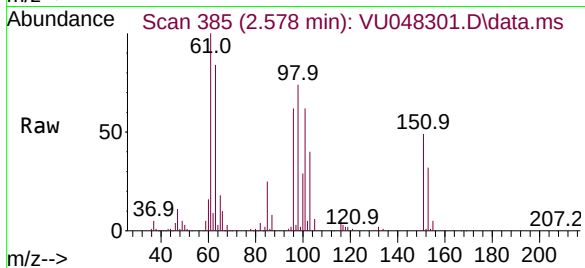




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.317 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

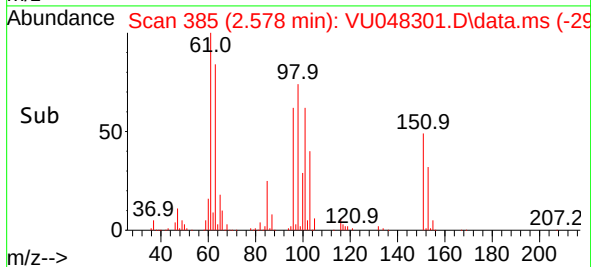
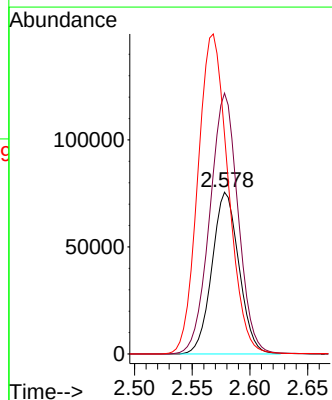
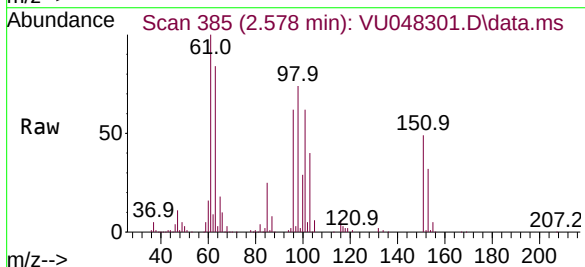
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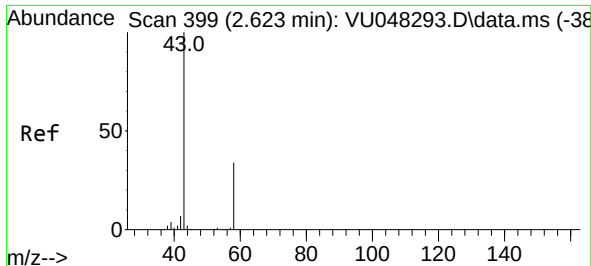
Tgt Ion:101 Resp: 143443
 Ion Ratio Lower Upper
 101 100
 85 40.8 32.6 48.8
 151 79.6 64.1 96.1



#12
 1,1-Dichloroethene
 Concen: 49.271 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.003 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

Tgt Ion: 96 Resp: 122607
 Ion Ratio Lower Upper
 96 100
 61 161.3 107.9 200.3
 63 135.7 80.3 149.1





#13

Acetone

Concen: 83.718 ug/L

RT: 2.623 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

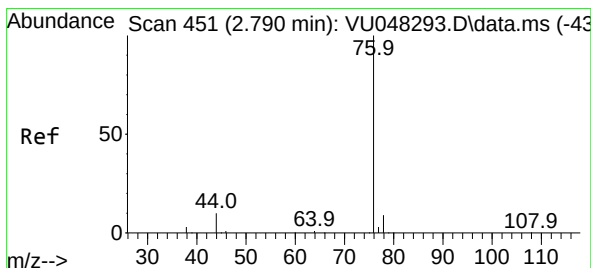
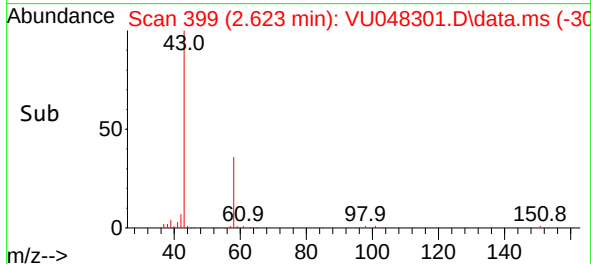
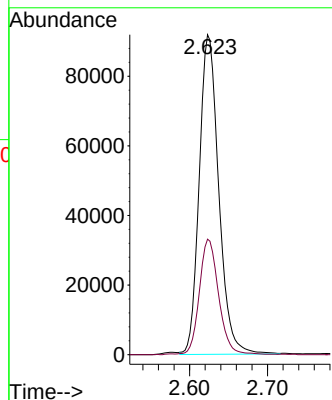
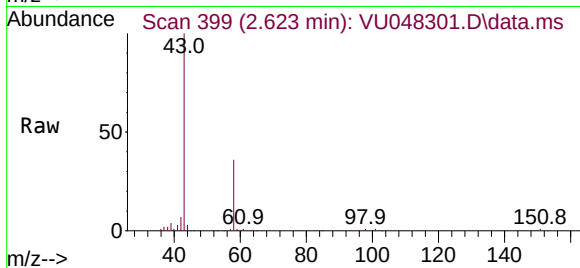
VSTD050102

Tgt Ion: 43 Resp: 159520

Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.2



#14

Carbon disulfide

Concen: 46.929 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.003 min

Lab File: VU048301.D

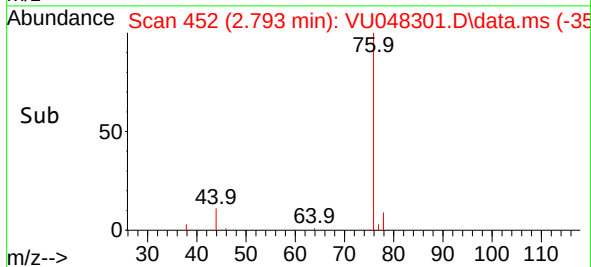
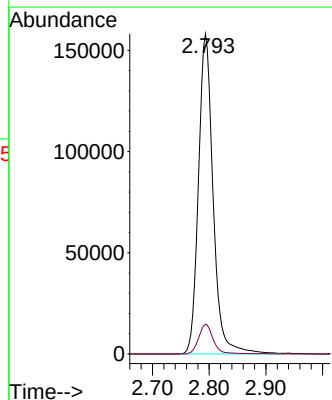
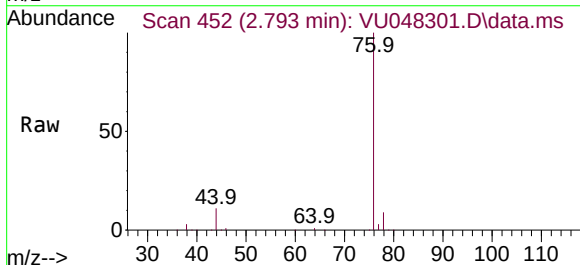
Acq: 26 Apr 2022 15:29

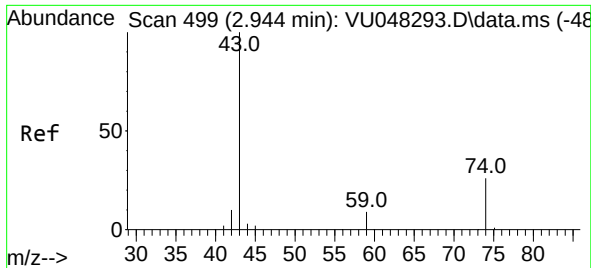
Tgt Ion: 76 Resp: 284614

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

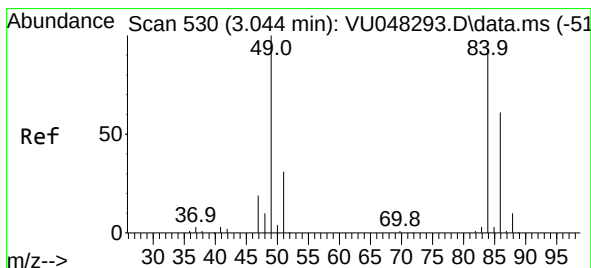
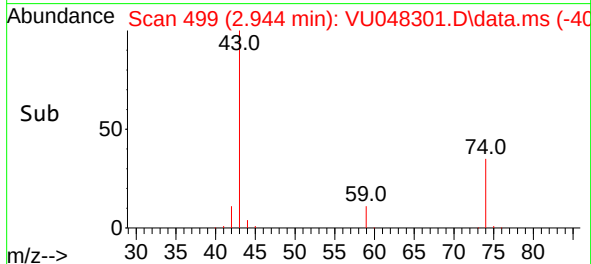
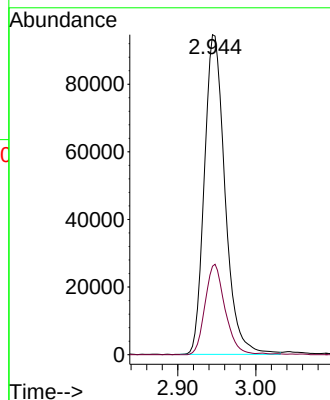
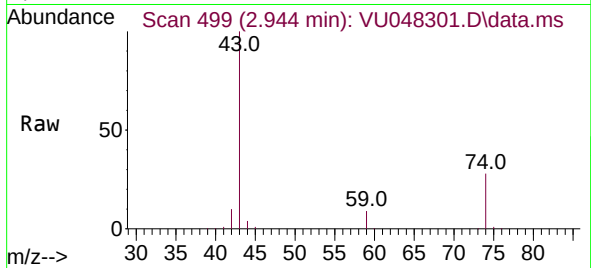




#15
Methyl Acetate
Concen: 46.113 ug/L
RT: 2.944 min Scan# 499
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

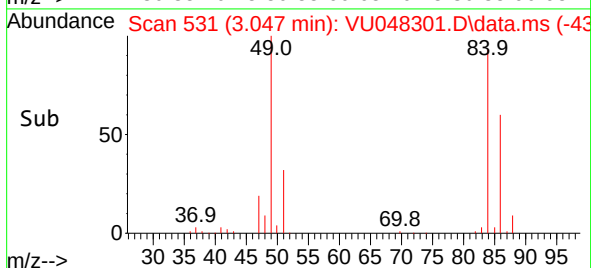
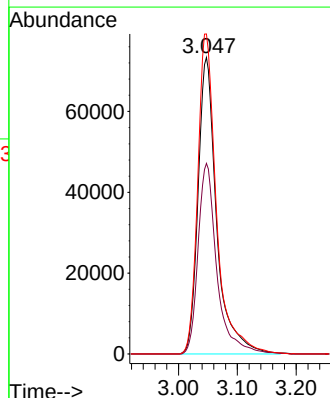
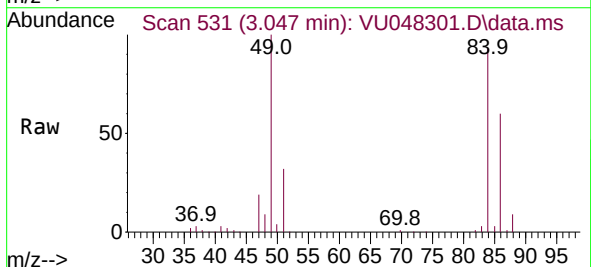
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

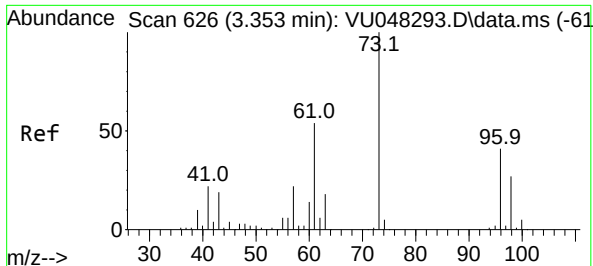
Tgt Ion: 43 Resp: 174420
Ion Ratio Lower Upper
43 100
74 27.2 21.0 31.6



#16
Methylene chloride
Concen: 50.218 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 84 Resp: 161108
Ion Ratio Lower Upper
84 100
86 64.3 45.4 84.2
49 107.9 79.2 147.0





#17

trans-1,2-Dichloroethene

Concen: 51.312 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

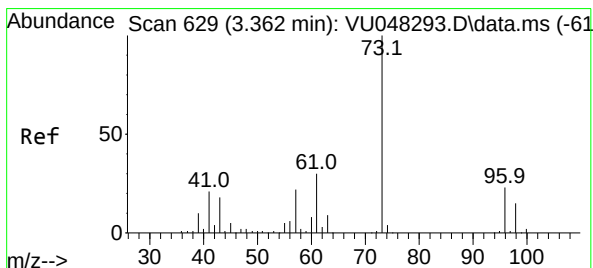
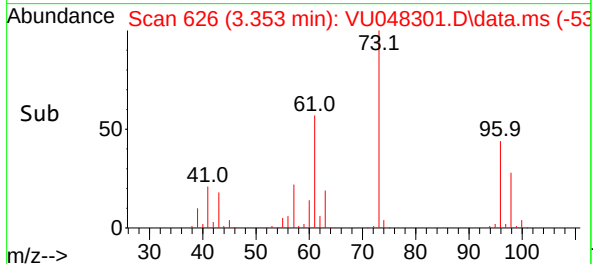
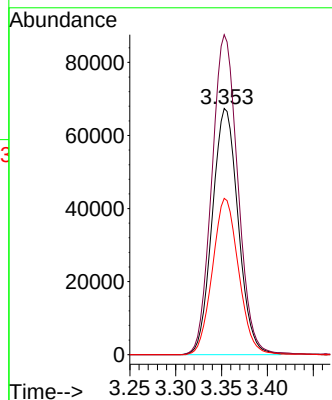
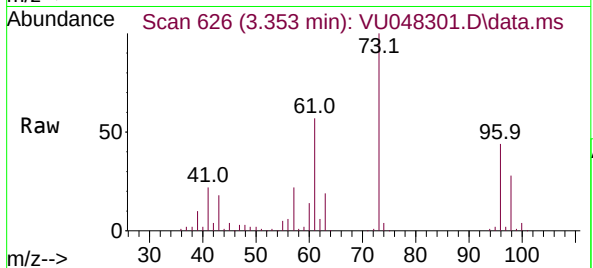
Tgt Ion: 96 Resp: 132646

Ion Ratio Lower Upper

96 100

61 130.0 95.2 176.8

98 63.5 44.7 83.1



#18

Methyl tert-butyl Ether

Concen: 52.845 ug/L

RT: 3.362 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

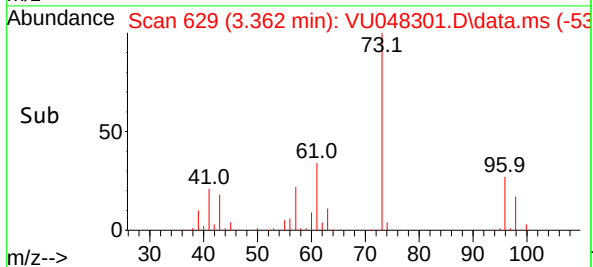
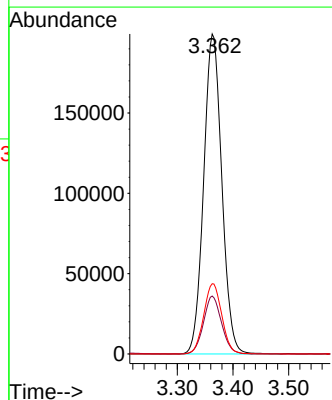
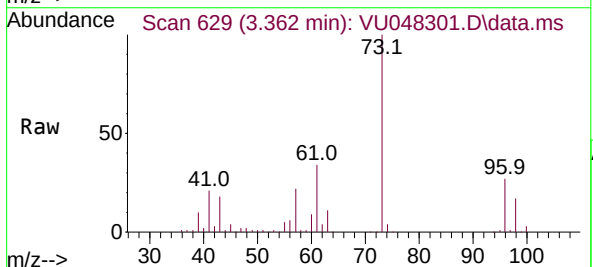
Tgt Ion: 73 Resp: 450728

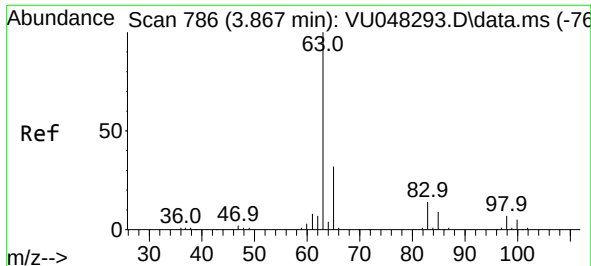
Ion Ratio Lower Upper

73 100

43 18.0 13.8 20.6

57 21.9 17.9 26.9





#19

1,1-Dichloroethane

Concen: 49.828 ug/L

RT: 3.870 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

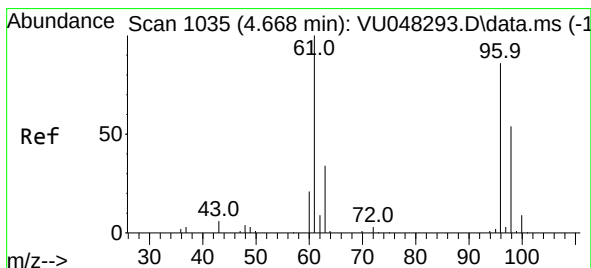
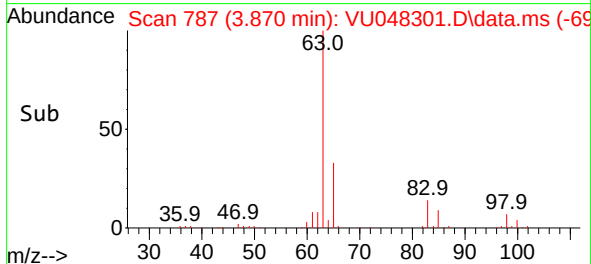
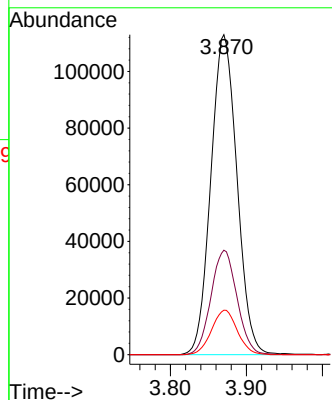
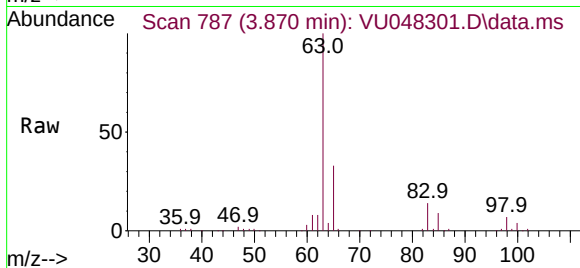
Tgt Ion: 63 Resp: 269358

Ion Ratio Lower Upper

63 100

65 32.6 22.0 40.8

83 13.9 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 52.327 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

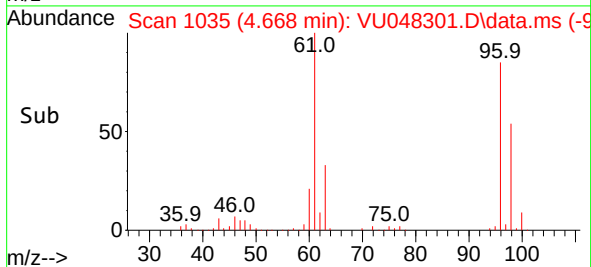
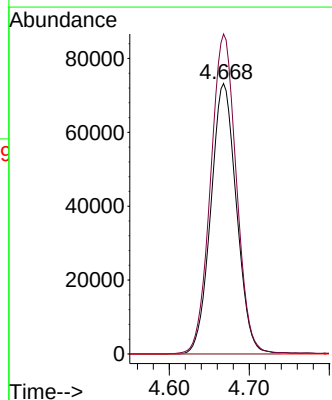
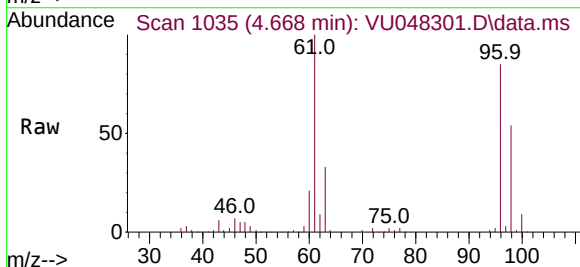
Tgt Ion: 96 Resp: 163054

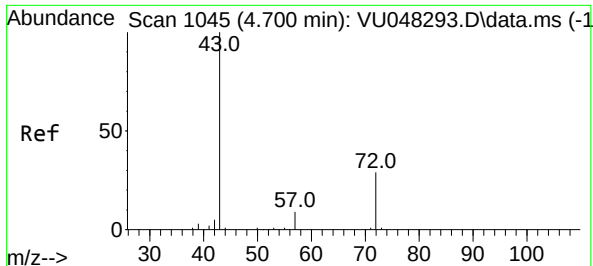
Ion Ratio Lower Upper

96 100

61 118.3 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.578 ug/L

RT: 4.700 min Scan# 1045

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

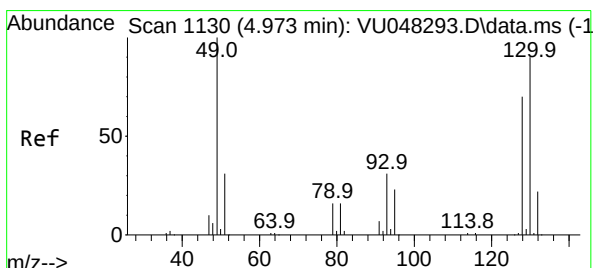
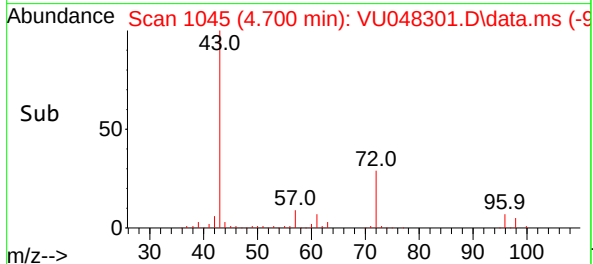
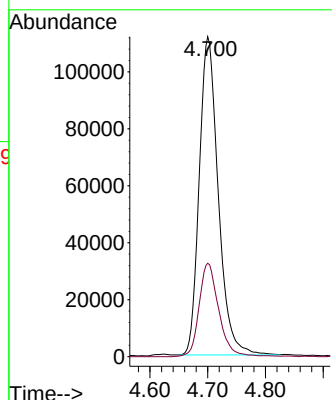
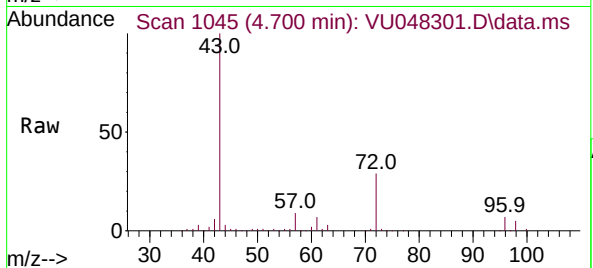
VSTD050102

Tgt Ion: 43 Resp: 255217

Ion Ratio Lower Upper

43 100

72 30.4 14.6 43.8



#23

Bromochloromethane

Concen: 52.581 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Tgt Ion: 128 Resp: 91474

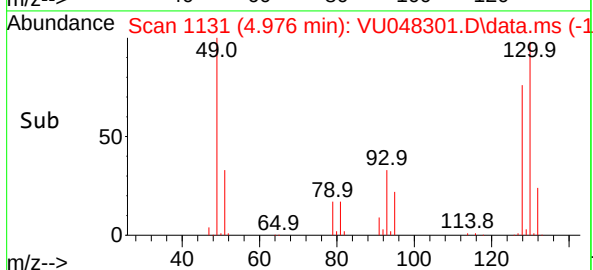
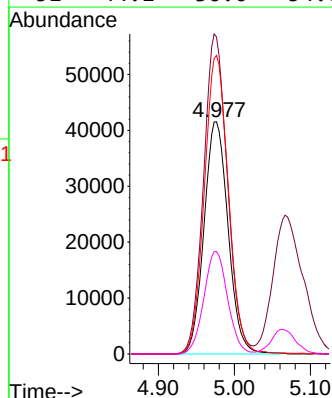
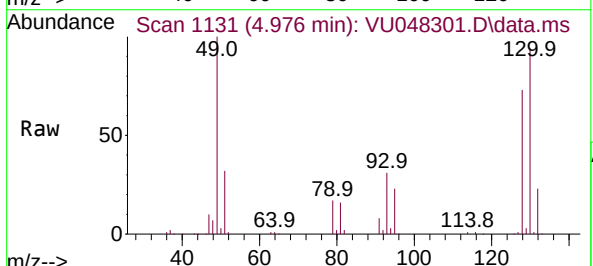
Ion Ratio Lower Upper

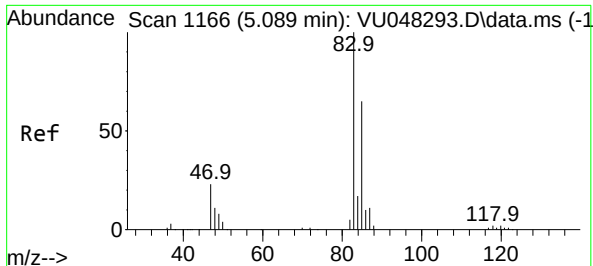
128 100

49 136.5 101.3 188.1

130 128.6 89.0 165.2

51 44.1 36.0 54.0





#25

Chloroform

Concen: 52.335 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

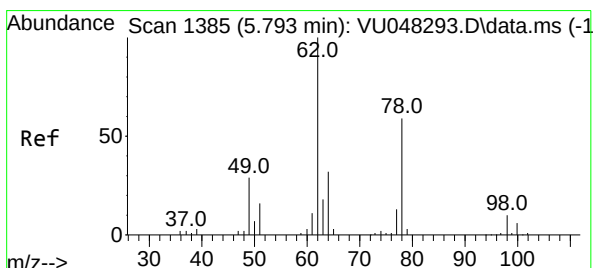
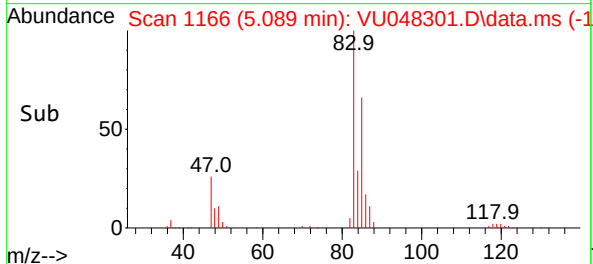
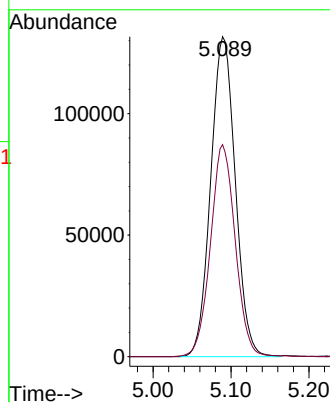
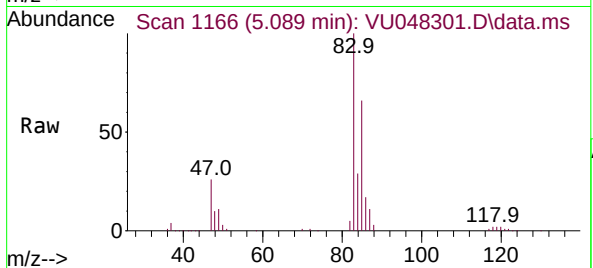
VSTD050102

Tgt Ion: 83 Resp: 288894

Ion Ratio Lower Upper

83 100

85 66.2 45.7 84.9



#27

1,2-Dichloroethane

Concen: 53.310 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VU048301.D

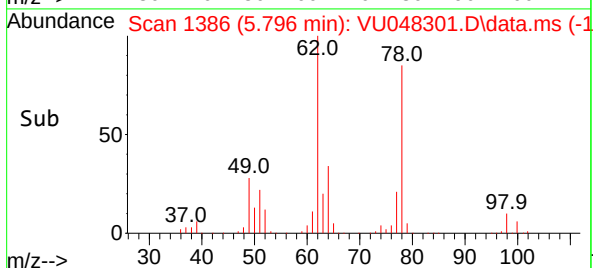
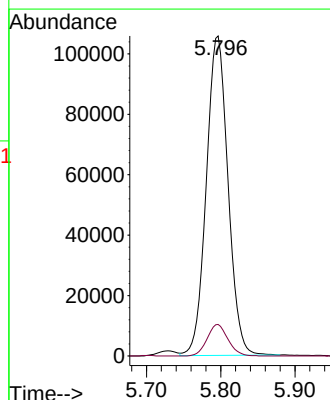
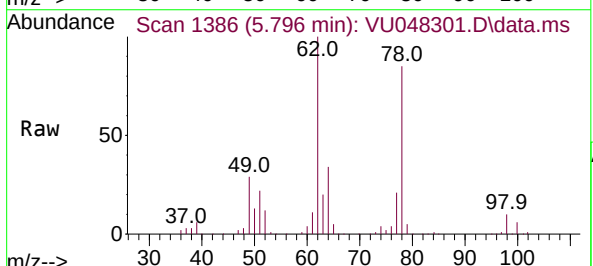
Acq: 26 Apr 2022 15:29

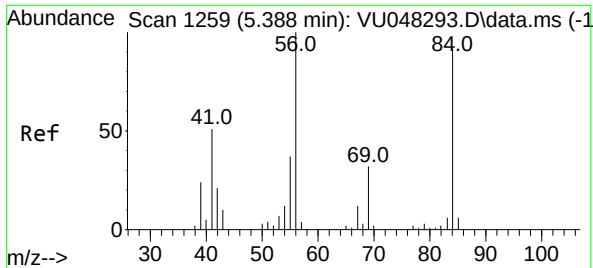
Tgt Ion: 62 Resp: 214647

Ion Ratio Lower Upper

62 100

98 9.8 8.5 12.7

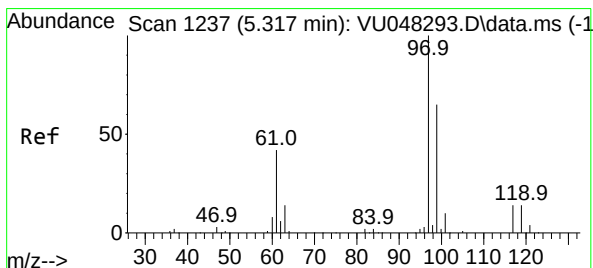
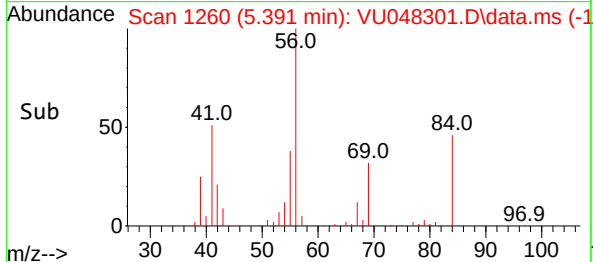
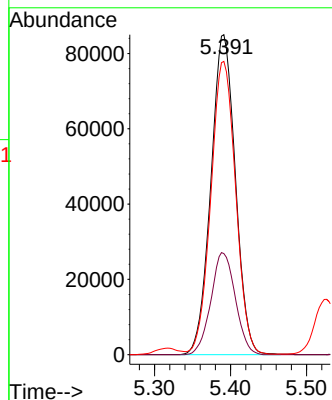
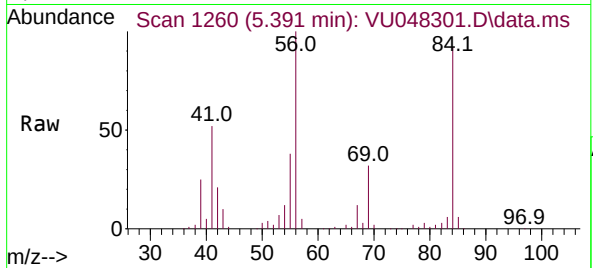




#29
Cyclohexane
Concen: 51.993 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

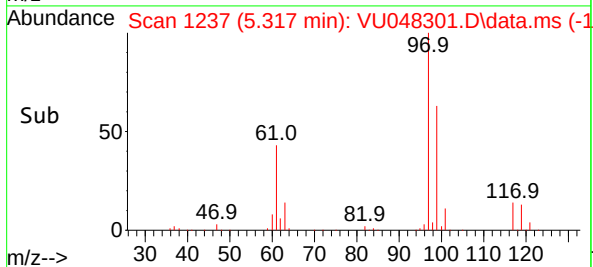
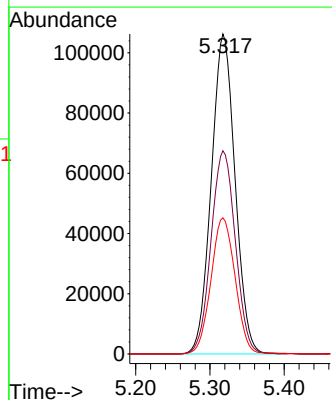
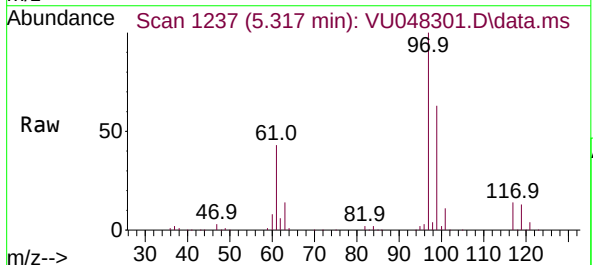
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

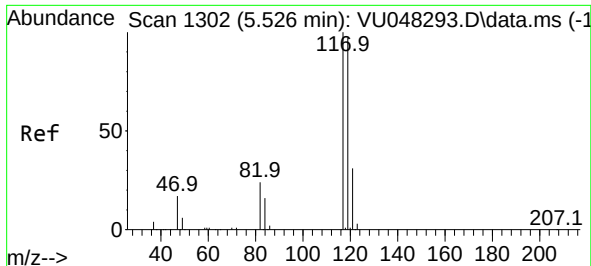
Tgt Ion: 56 Resp: 189870
Ion Ratio Lower Upper
56 100
69 31.8 24.2 36.4
84 92.5 72.2 108.2



#30
1,1,1-Trichloroethane
Concen: 54.108 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 97 Resp: 236495
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.8
61 43.2 33.9 50.9

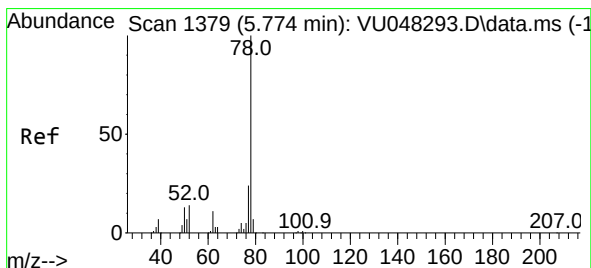
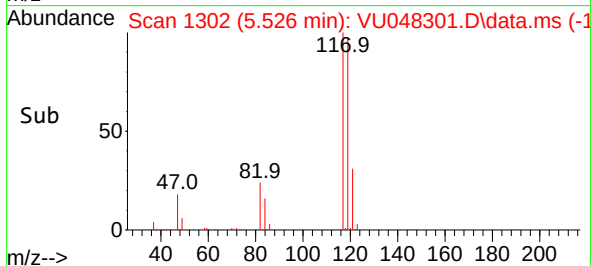
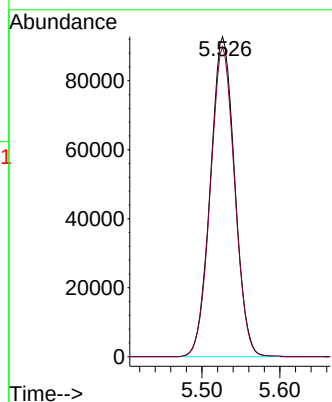
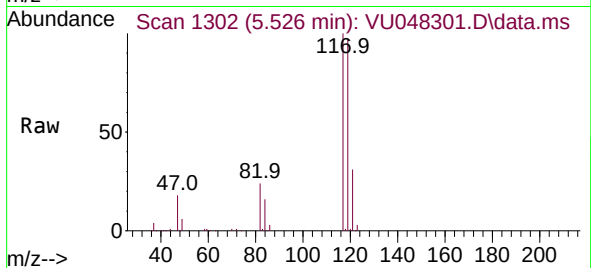




#31
Carbon tetrachloride
Concen: 54.002 ug/L
RT: 5.526 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

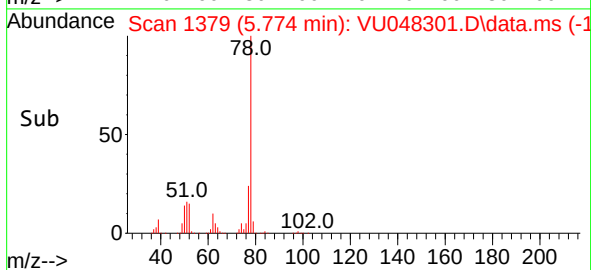
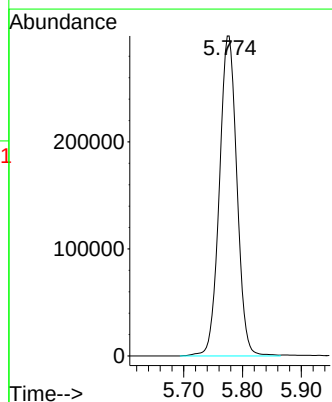
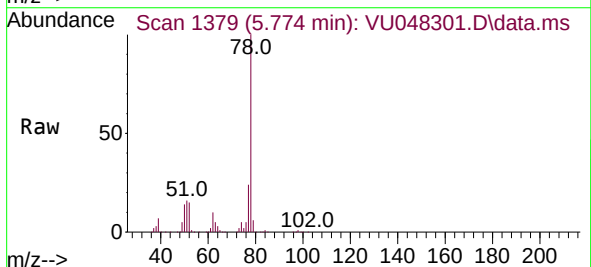
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

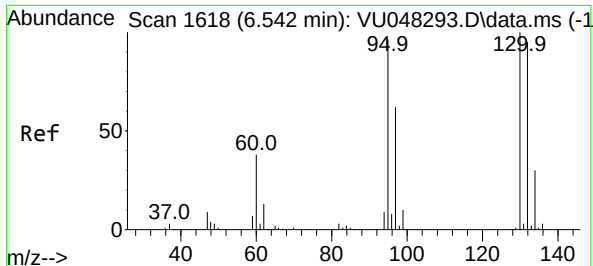
Tgt Ion:117 Resp: 201171
Ion Ratio Lower Upper
117 100
119 96.6 77.1 115.7



#33
Benzene
Concen: 54.120 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 78 Resp: 619317





#34

Trichloroethene

Concen: 53.533 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

Tgt Ion: 95 Resp: 150155

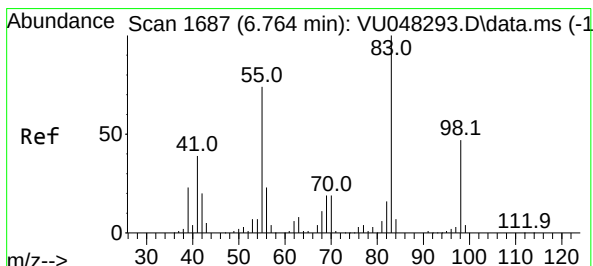
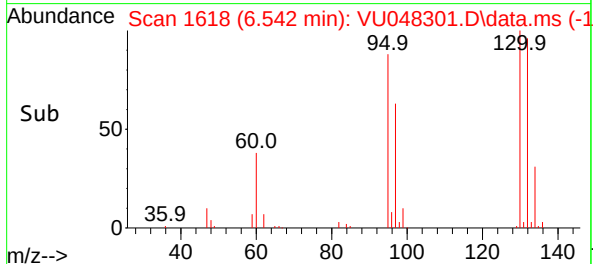
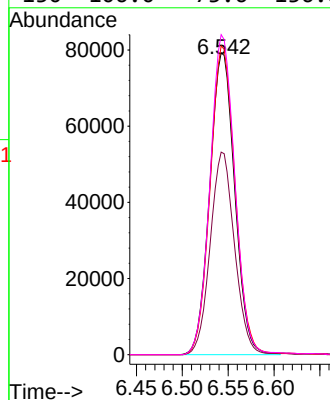
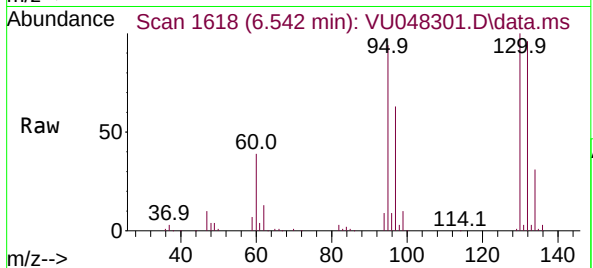
Ion Ratio Lower Upper

95 100

97 67.1 45.8 85.2

132 102.3 71.6 133.0

130 106.0 73.6 136.8



#35

Methylcyclohexane

Concen: 54.286 ug/L

RT: 6.764 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

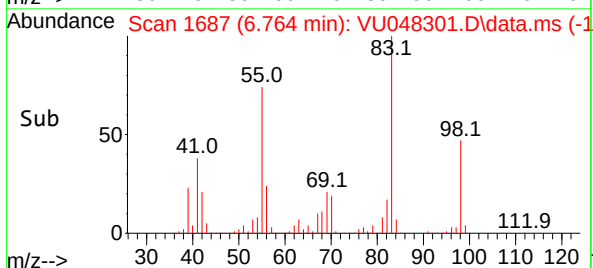
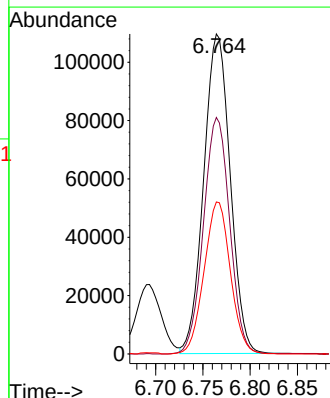
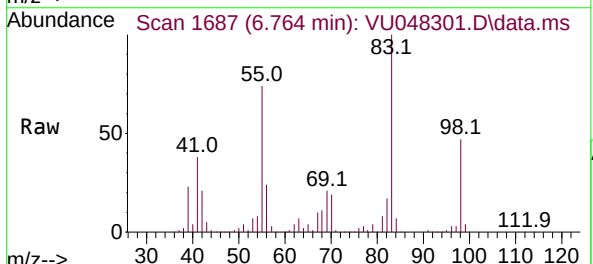
Tgt Ion: 83 Resp: 213776

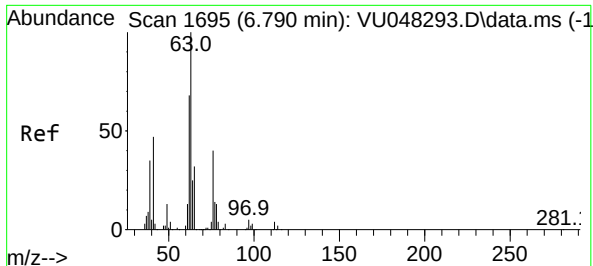
Ion Ratio Lower Upper

83 100

55 73.2 59.4 89.2

98 47.2 37.3 55.9

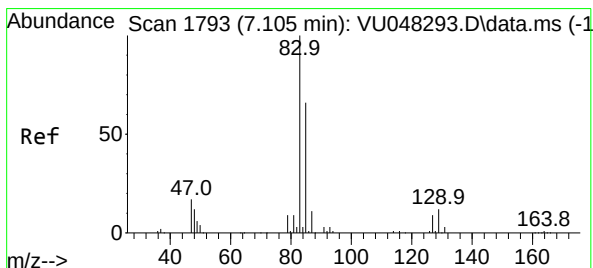
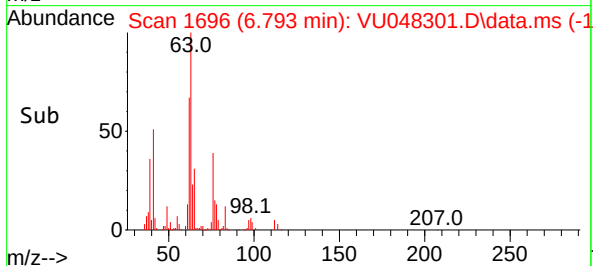
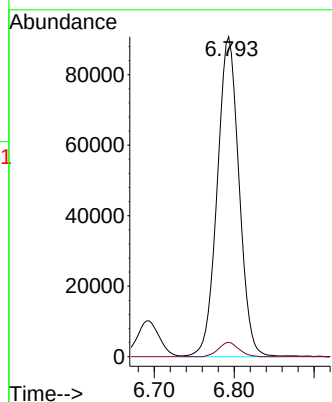
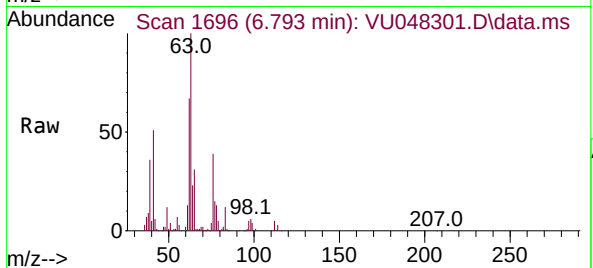




#37
1,2-Dichloropropane
Concen: 52.734 ug/L
RT: 6.793 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

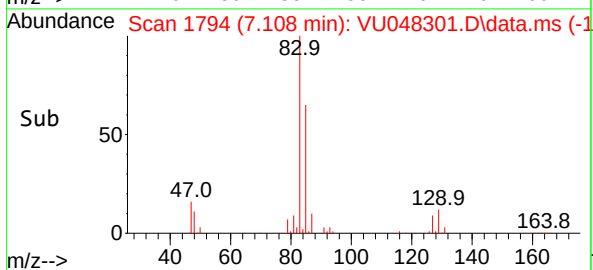
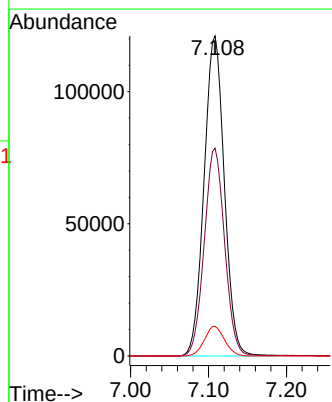
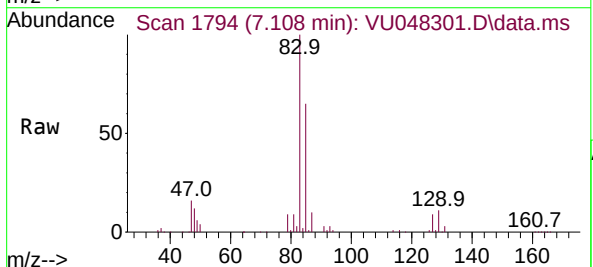
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MSVOA_U
ClientSampleId :
VSTD050102

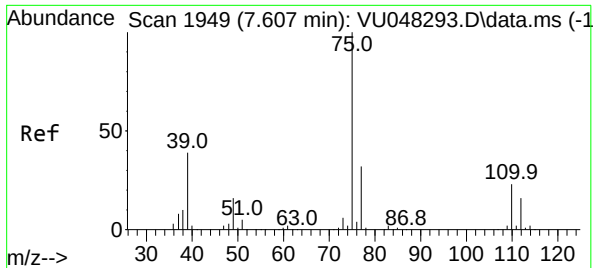
Tgt Ion: 63 Resp: 171694
Ion Ratio Lower Upper
63 100
112 4.2 3.1 4.7



#38
Bromodichloromethane
Concen: 53.237 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 83 Resp: 218896
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1
127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 53.317 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

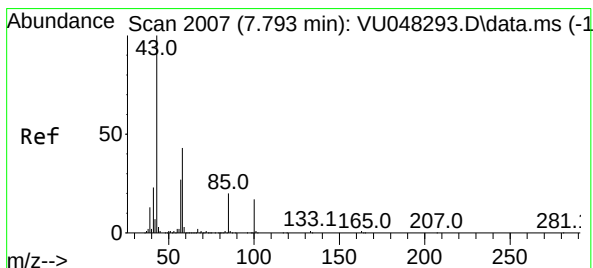
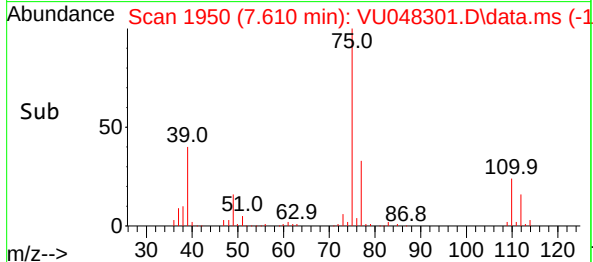
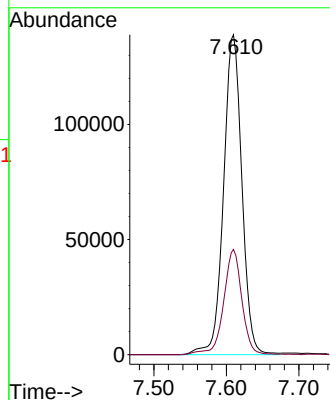
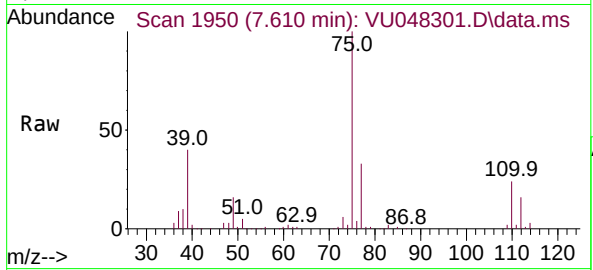
VSTD050102

Tgt Ion: 75 Resp: 244100

Ion Ratio Lower Upper

75 100

77 32.9 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 98.960 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

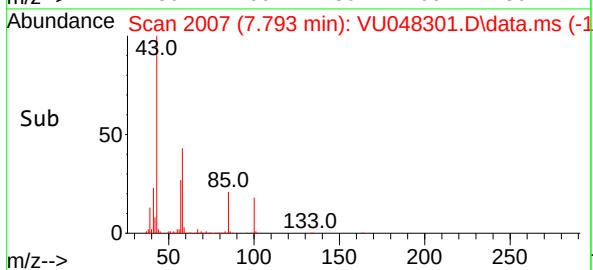
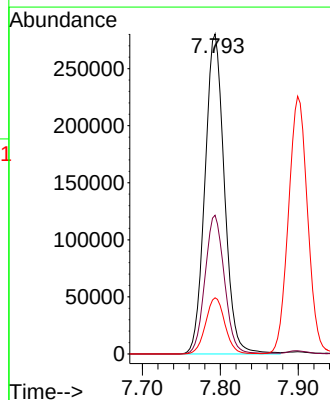
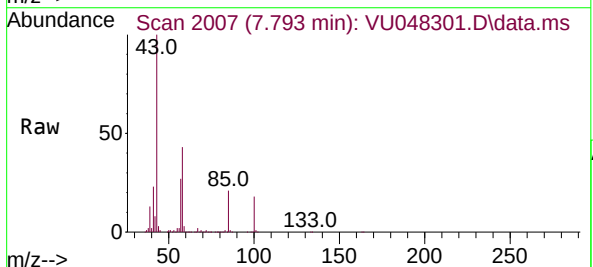
Tgt Ion: 43 Resp: 485961

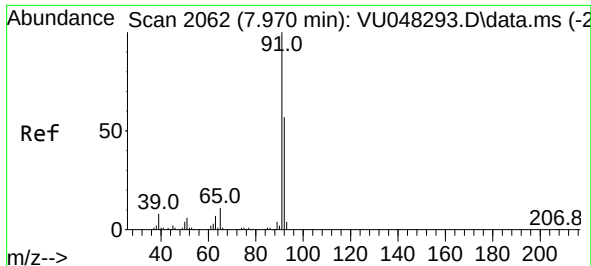
Ion Ratio Lower Upper

43 100

58 43.4 34.4 51.6

100 17.5 13.6 20.4





#42

Toluene

Concen: 55.824 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

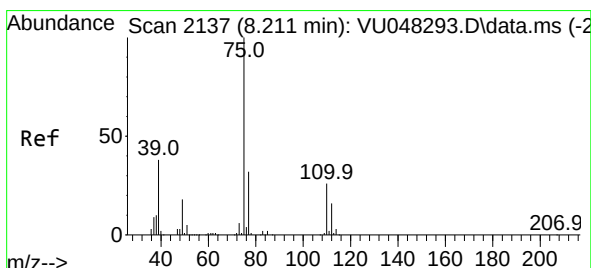
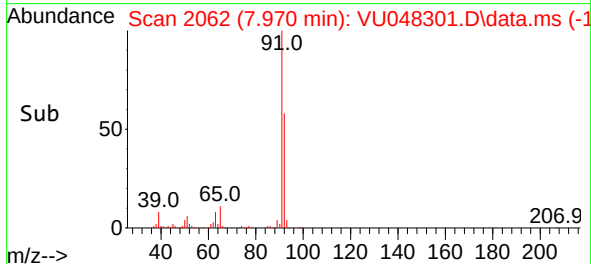
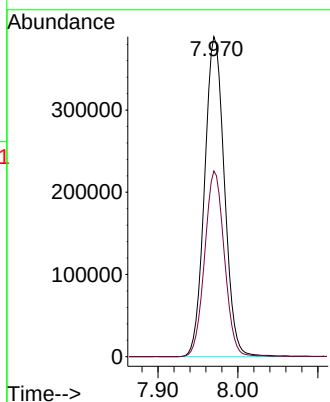
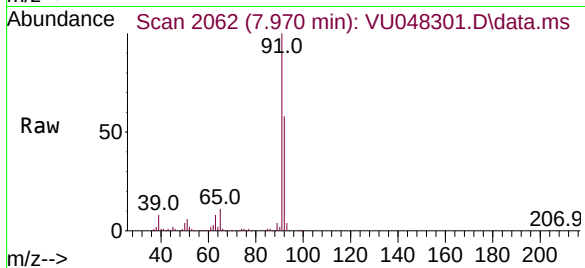
VSTD050102

Tgt Ion: 91 Resp: 670688

Ion Ratio Lower Upper

91 100

92 58.0 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 53.254 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048301.D

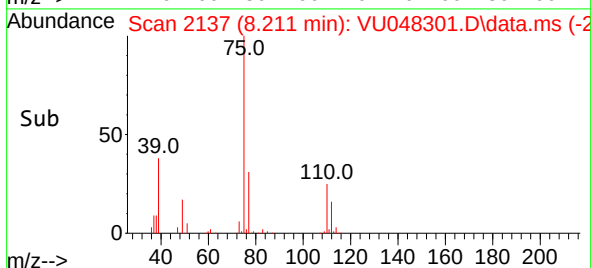
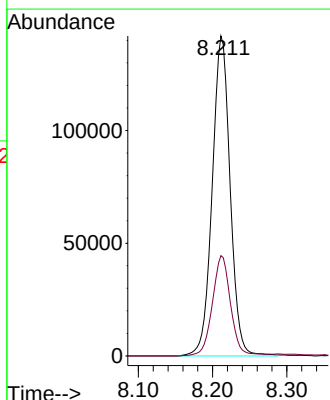
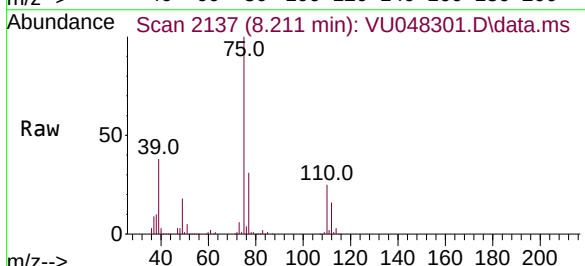
Acq: 26 Apr 2022 15:29

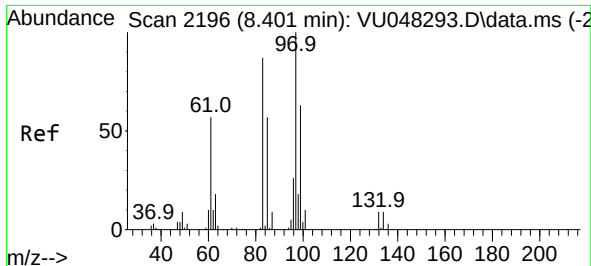
Tgt Ion: 75 Resp: 238186

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



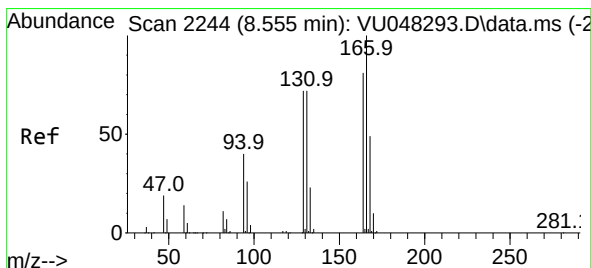
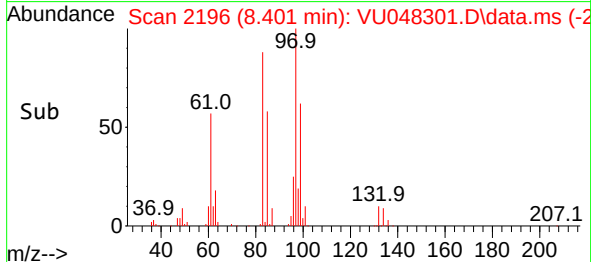
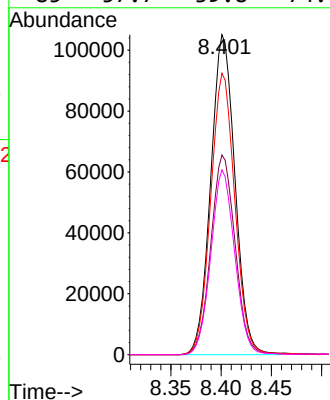
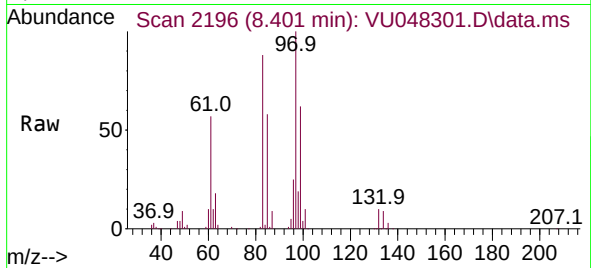


#45
1,1,2-Trichloroethane
Concen: 51.624 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

Tgt Ion: 97 Resp: 176344

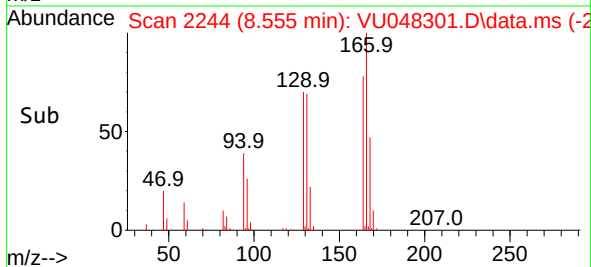
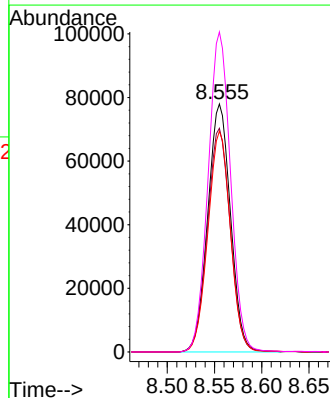
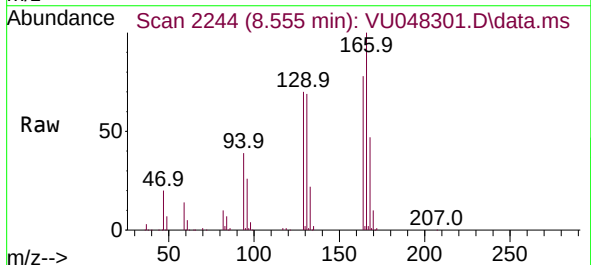
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	88.0	62.6	116.2
85	57.7	39.8	74.0

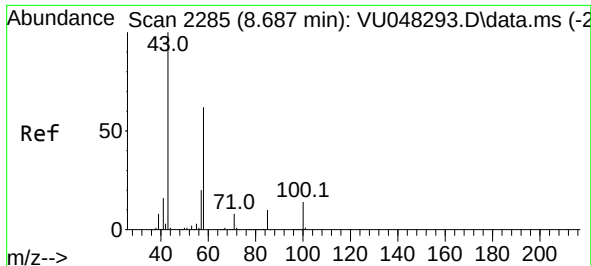


#46
Tetrachloroethene
Concen: 54.264 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 164 Resp: 130629

Ion	Ratio	Lower	Upper
164	100		
129	90.2	63.3	117.7
131	89.0	61.2	113.6
166	129.0	88.9	165.1



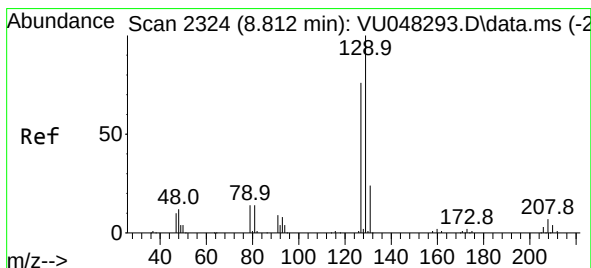
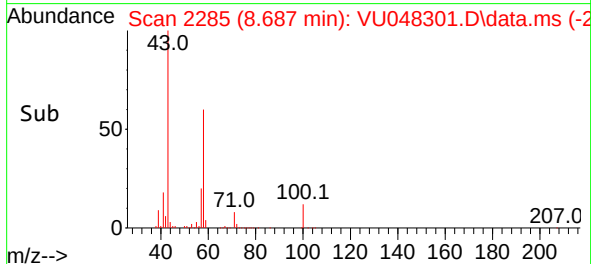
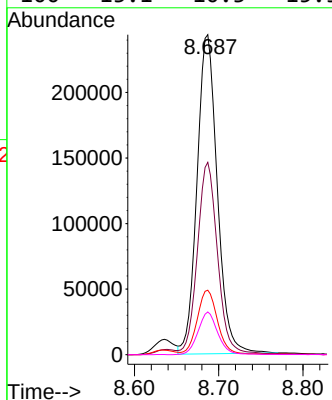
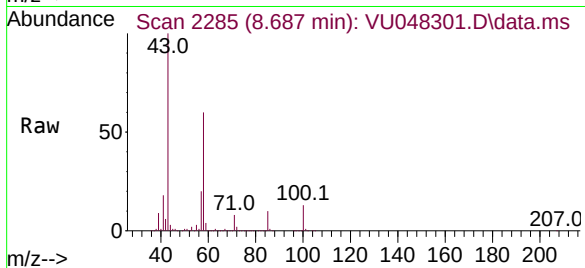


#48
2-Hexanone
Concen: 99.572 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

Tgt Ion: 43 Resp: 408320

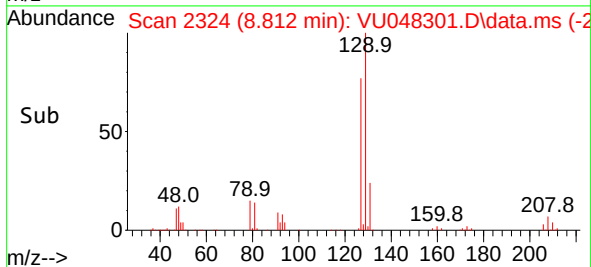
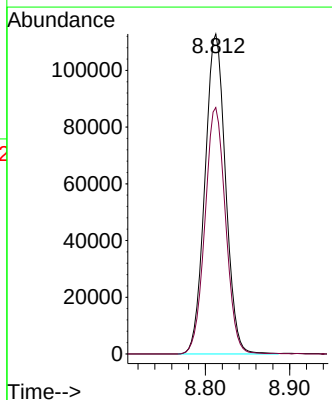
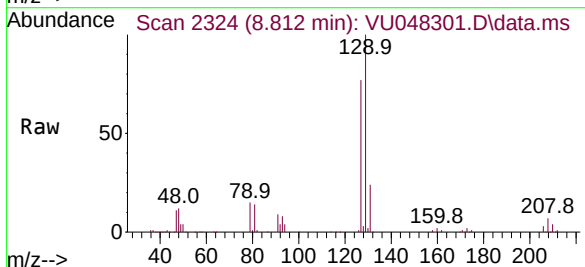
Ion	Ratio	Lower	Upper
43	100		
58	59.1	48.1	72.1
57	19.8	16.2	24.4
100	13.1	10.3	15.5

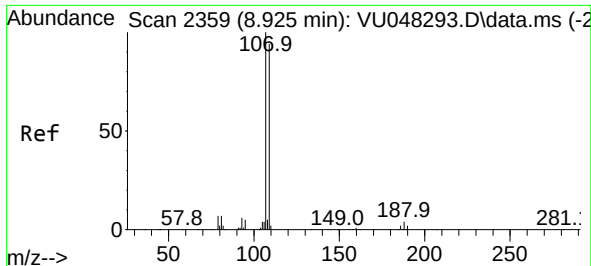


#49
Dibromochloromethane
Concen: 51.162 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 129 Resp: 192043

Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.8	99.8





#50

1,2-Dibromoethane

Concen: 52.565 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD050102

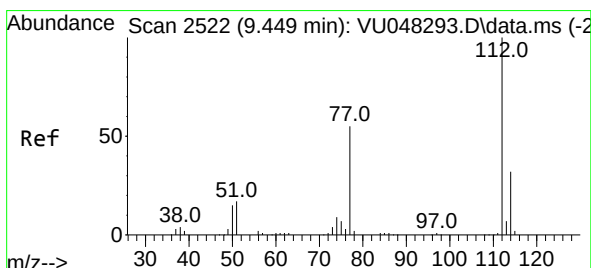
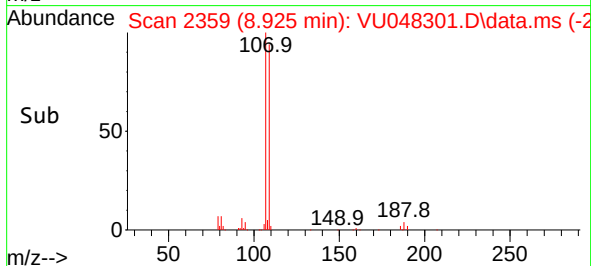
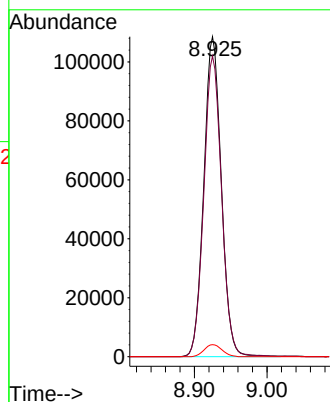
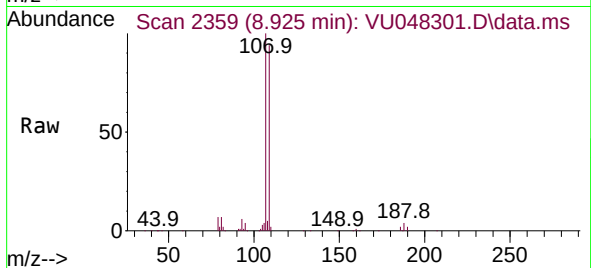
Tgt Ion:107 Resp: 182089

Ion Ratio Lower Upper

107 100

109 93.9 65.0 120.8

188 3.7 3.1 4.7



#51

Chlorobenzene

Concen: 52.072 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.000 min

Lab File: VU048301.D

Acq: 26 Apr 2022 15:29

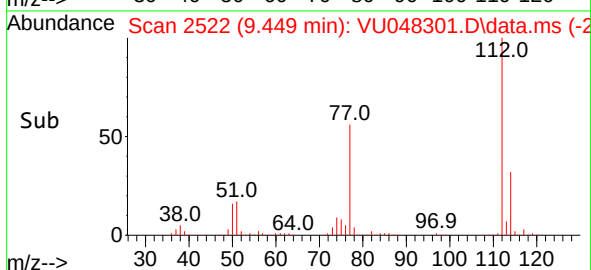
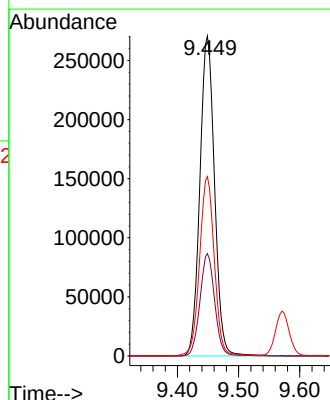
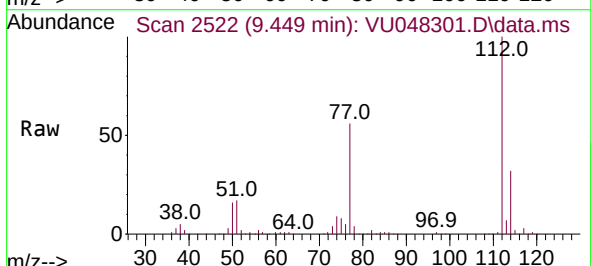
Tgt Ion:112 Resp: 450945

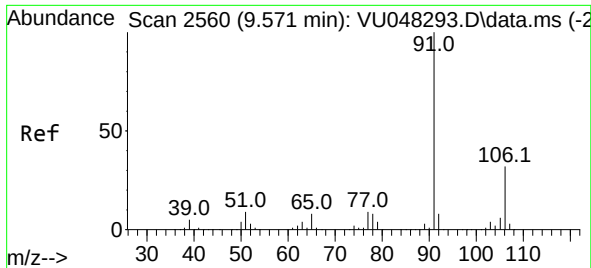
Ion Ratio Lower Upper

112 100

114 32.0 22.7 42.1

77 56.0 44.3 66.5

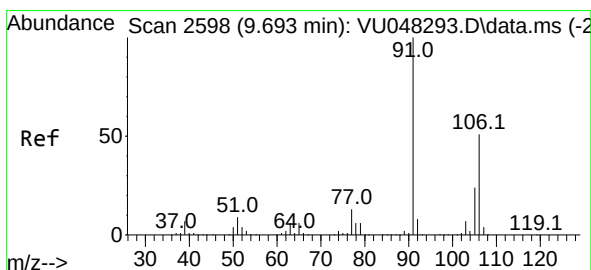
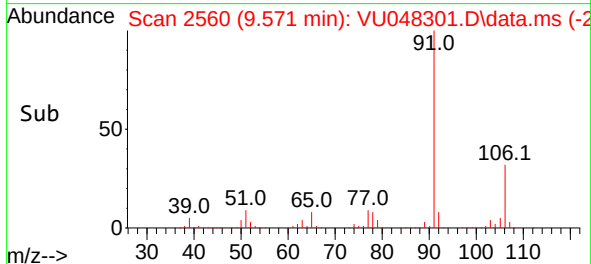
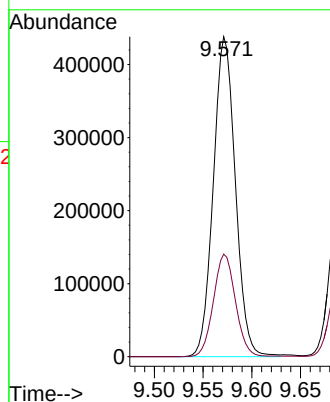
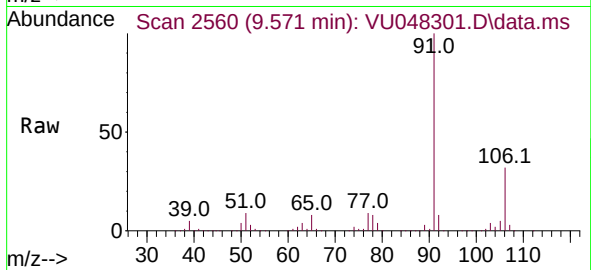




#52
Ethylbenzene
Concen: 55.391 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

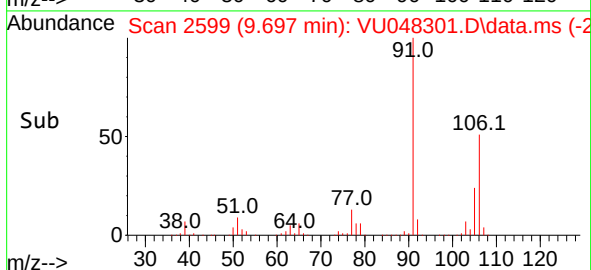
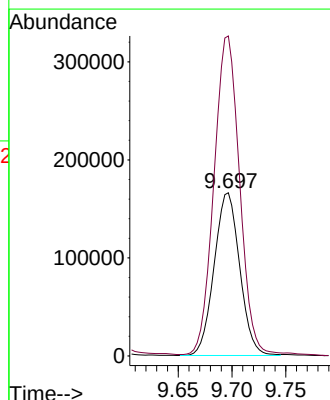
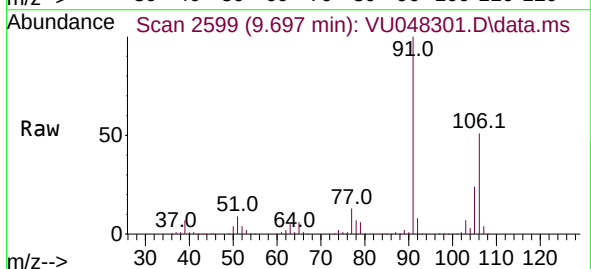
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

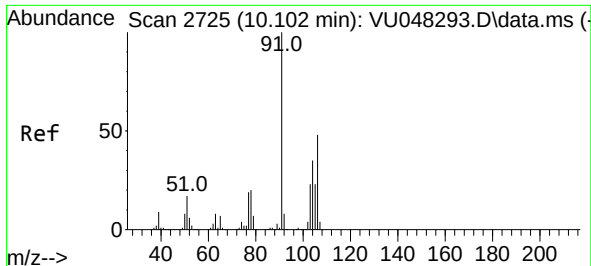
Tgt Ion: 91 Resp: 689204
Ion Ratio Lower Upper
91 100
106 32.1 22.5 41.9



#53
m,p-Xylene
Concen: 55.913 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 106 Resp: 274538
Ion Ratio Lower Upper
106 100
91 196.1 137.4 255.2

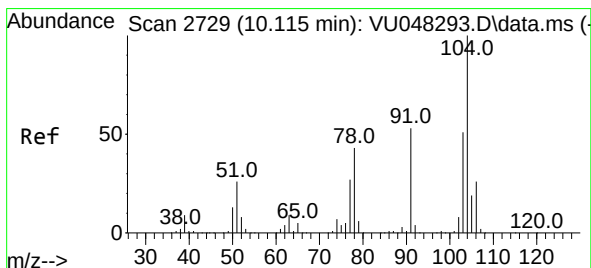
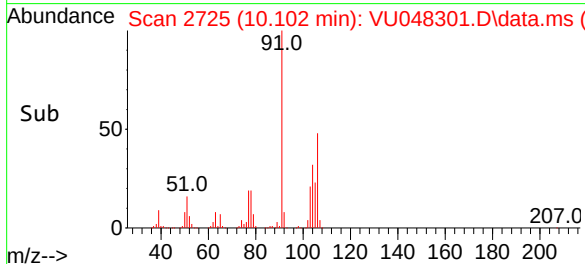
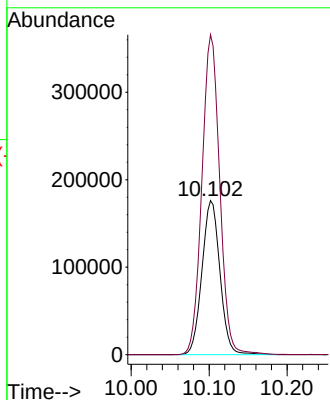
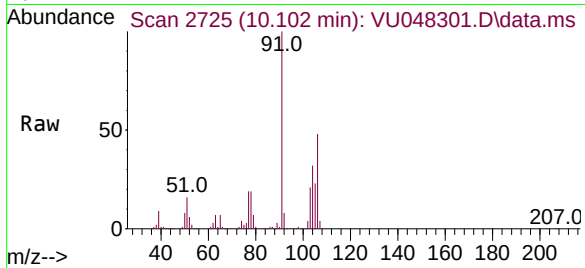




#54
o-Xylene
Concen: 57.136 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

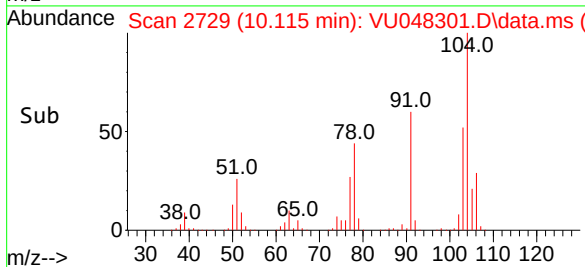
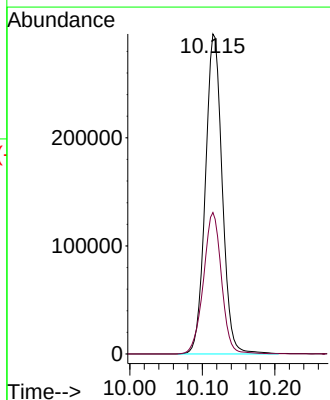
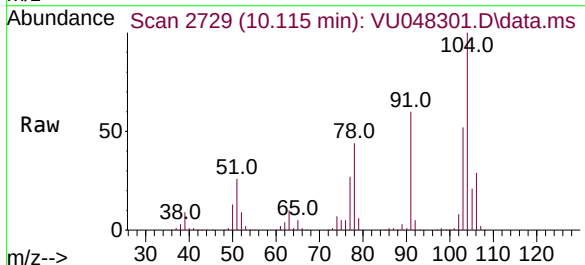
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

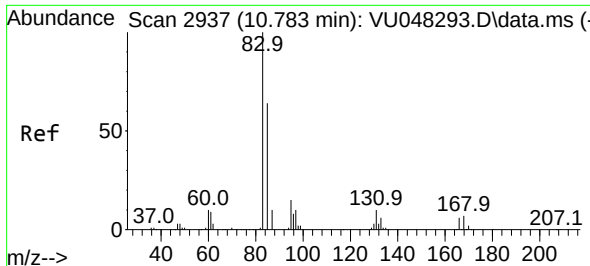
Tgt Ion:106 Resp: 282619
Ion Ratio Lower Upper
106 100
91 207.6 145.3 269.8



#55
Styrene
Concen: 56.764 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion:104 Resp: 478327
Ion Ratio Lower Upper
104 100
78 44.2 30.3 56.3

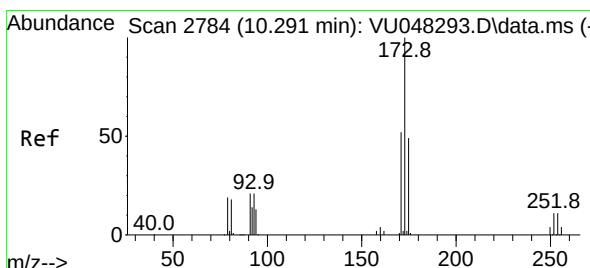
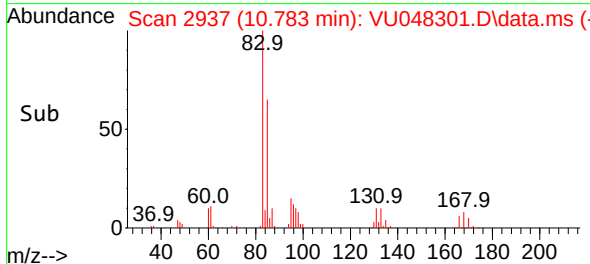
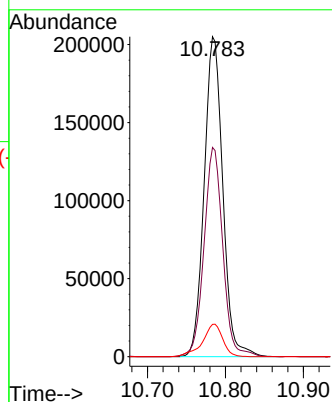
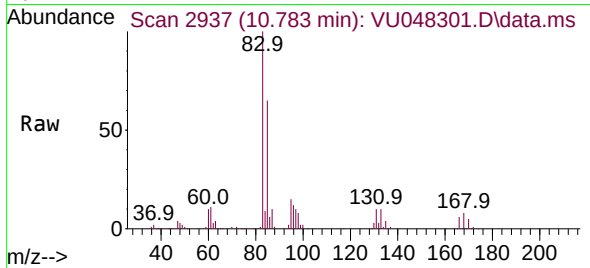




#57
 1,1,2,2-Tetrachloroethane
 Concen: 50.439 ug/L
 RT: 10.783 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

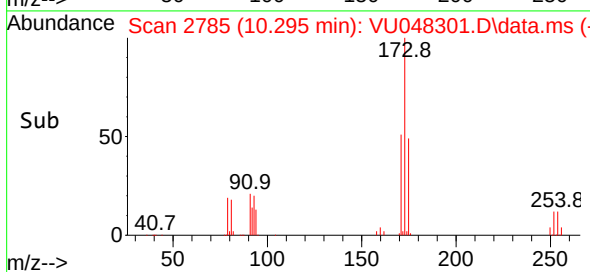
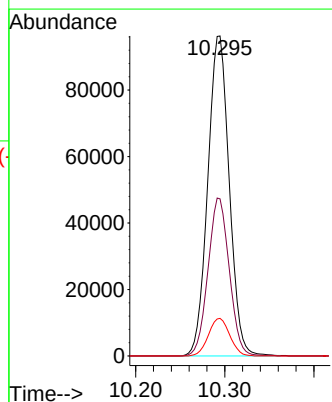
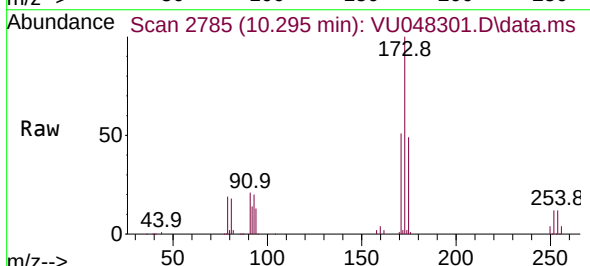
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

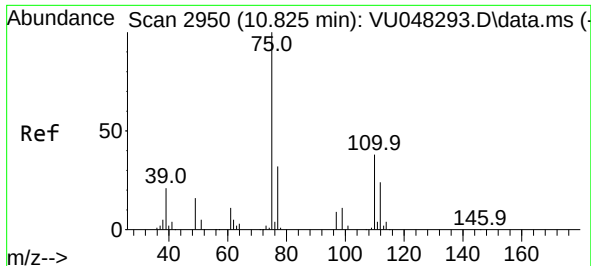
Tgt Ion: 83 Resp: 340048
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.7
 131 10.1 7.8 11.6



#59
 Bromoform
 Concen: 50.246 ug/L
 RT: 10.295 min Scan# 2785
 Delta R.T. 0.003 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

Tgt Ion: 173 Resp: 161406
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.9 58.3
 254 11.6 9.5 14.3

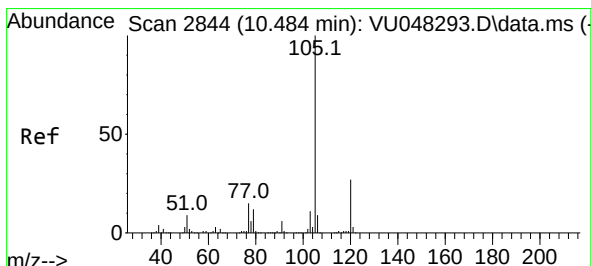
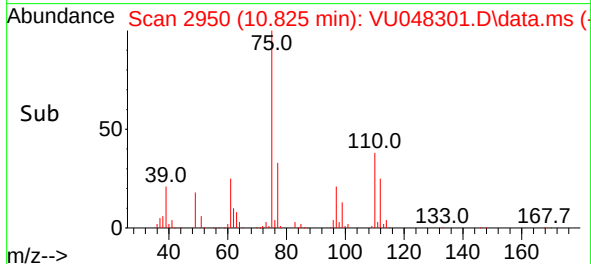
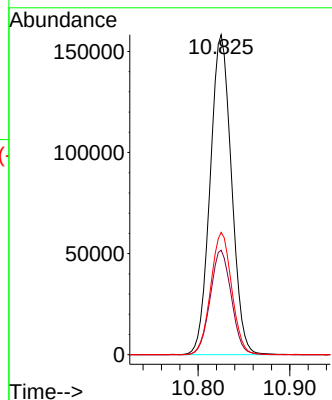
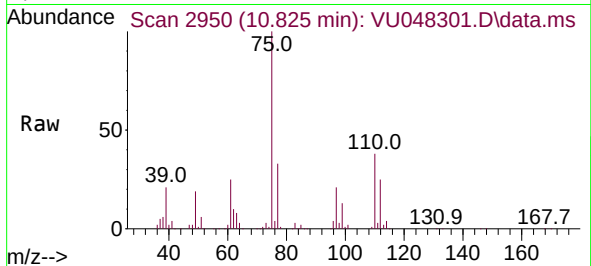




#60
1,2,3-Trichloropropane
Concen: 49.519 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

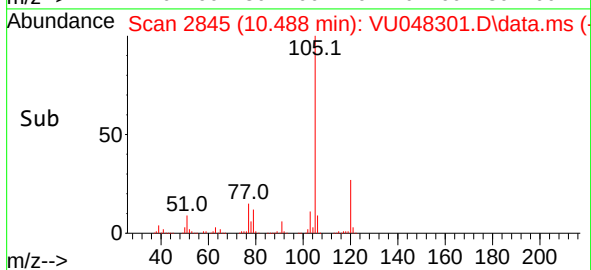
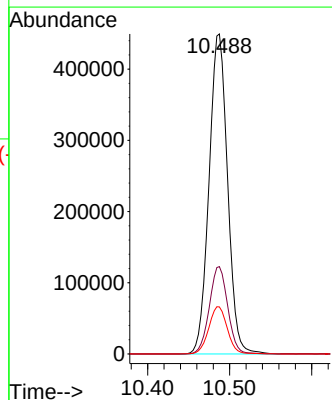
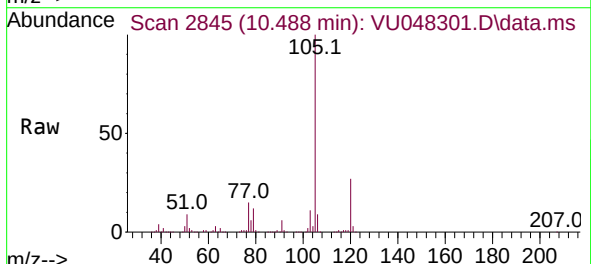
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

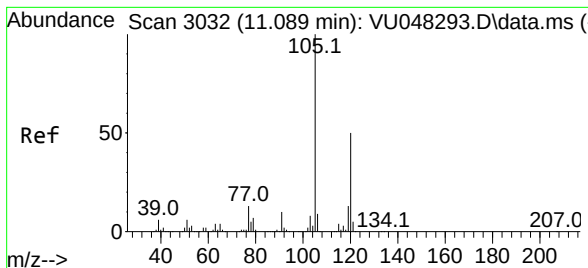
Tgt Ion: 75 Resp: 255699
Ion Ratio Lower Upper
75 100
77 32.5 25.8 38.8
110 37.8 29.9 44.9



#61
Isopropylbenzene
Concen: 57.105 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion: 105 Resp: 706737
Ion Ratio Lower Upper
105 100
120 27.1 21.7 32.5
77 14.8 11.7 17.5

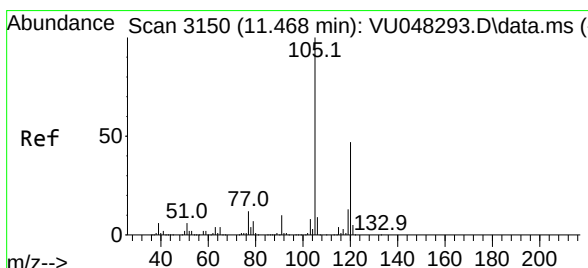
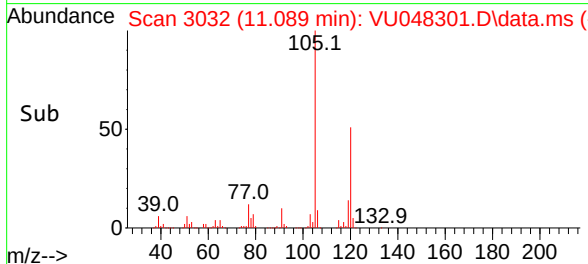
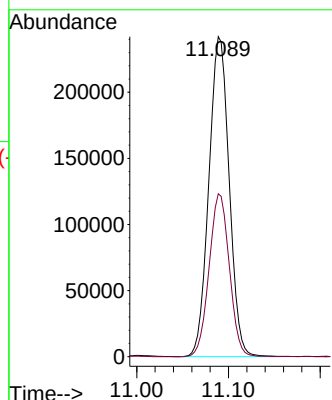
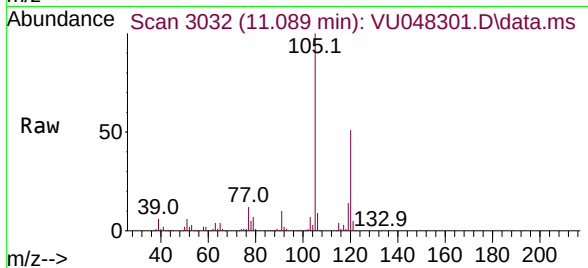




#62
 1,3,5-Trimethylbenzene
 Concen: 57.035 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

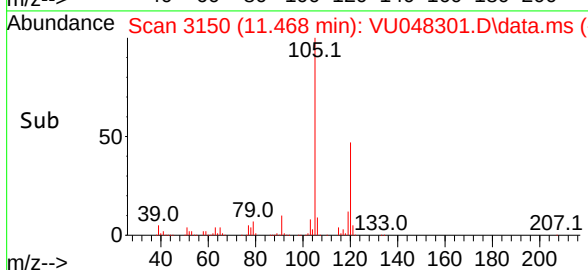
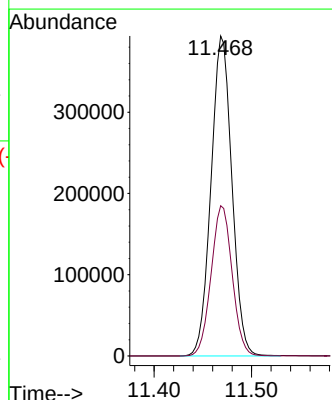
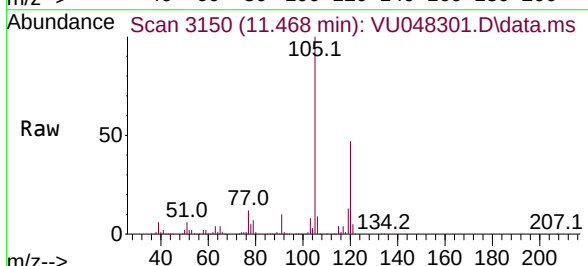
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

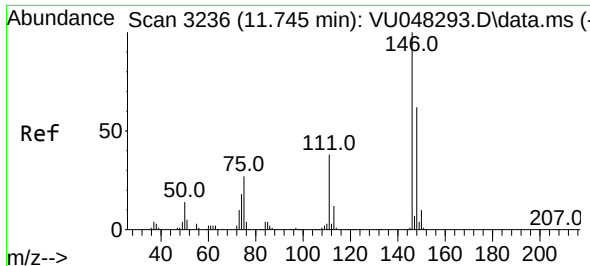
Tgt Ion:105 Resp: 372037
 Ion Ratio Lower Upper
 105 100
 120 50.6 40.7 61.1



#63
 1,2,4-Trimethylbenzene
 Concen: 58.500 ug/L
 RT: 11.468 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

Tgt Ion:105 Resp: 586681
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.0 57.0

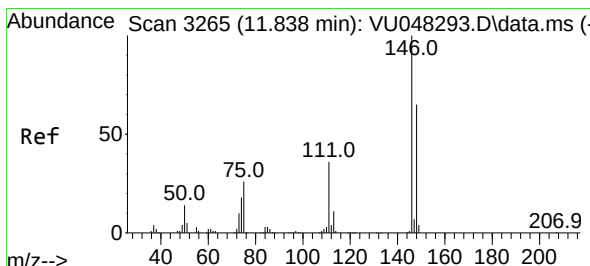
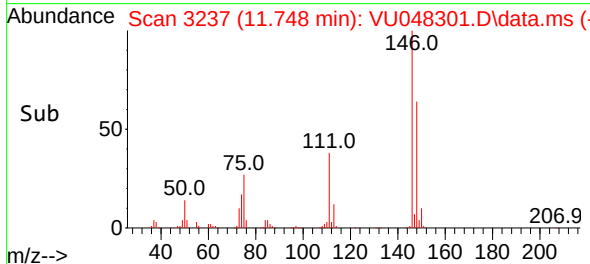
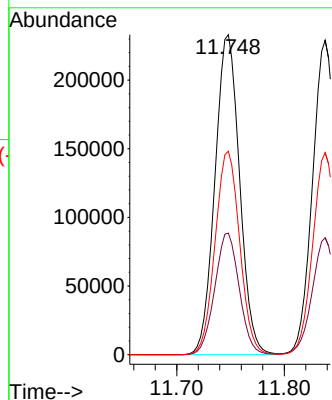
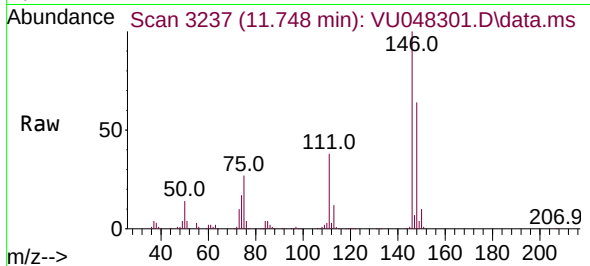




#64
1,3-Dichlorobenzene
Concen: 53.521 ug/L
RT: 11.748 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

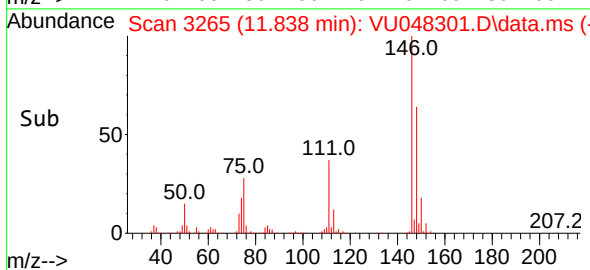
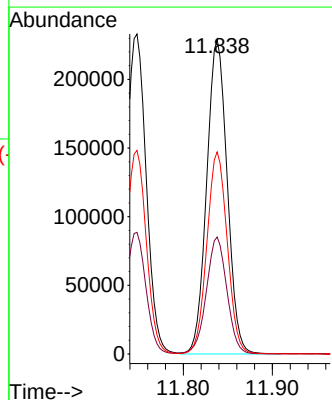
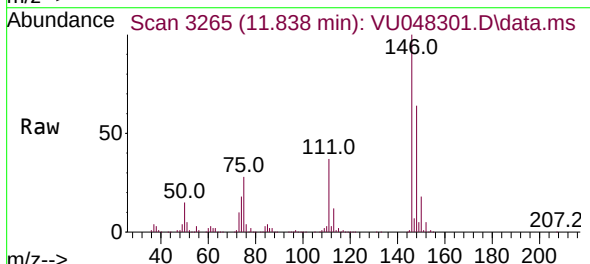
Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

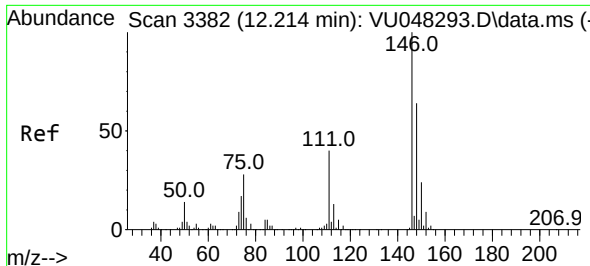
Tgt Ion:146 Resp: 371356
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.7
148 63.6 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 51.689 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion:146 Resp: 366142
Ion Ratio Lower Upper
146 100
111 37.2 25.9 48.1
148 64.2 45.1 83.7

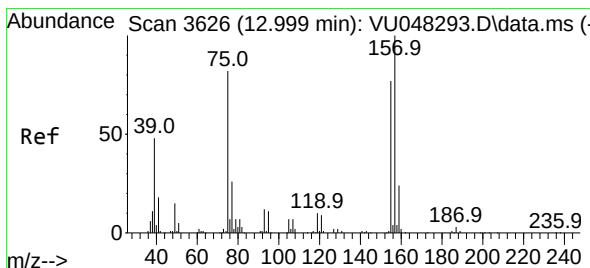
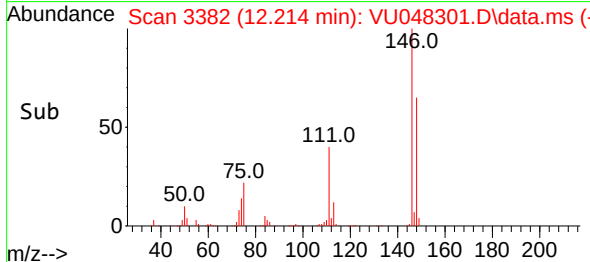
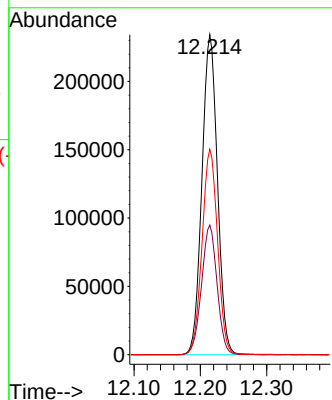
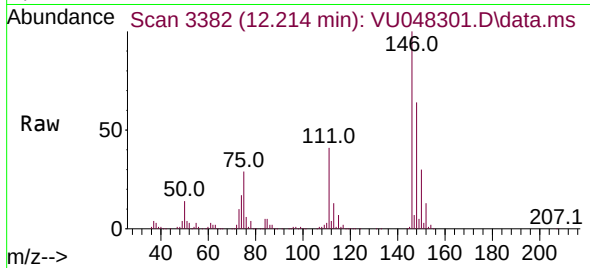




#67
 1,2-Dichlorobenzene
 Concen: 52.095 ug/L
 RT: 12.214 min Scan# 3382
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

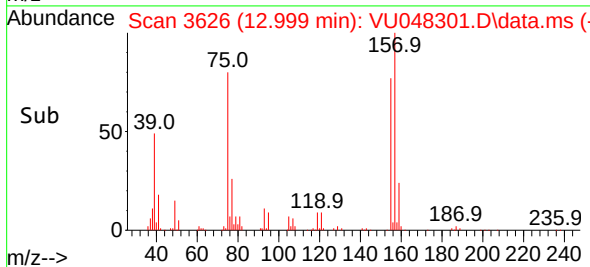
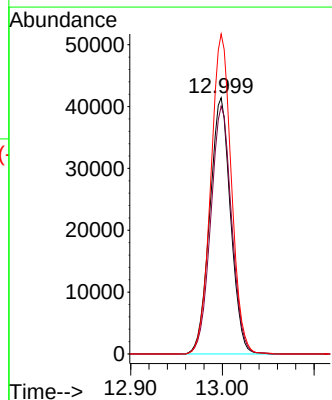
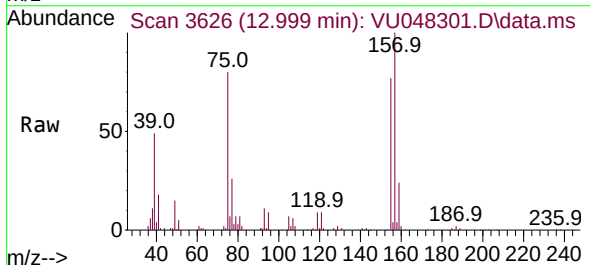
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

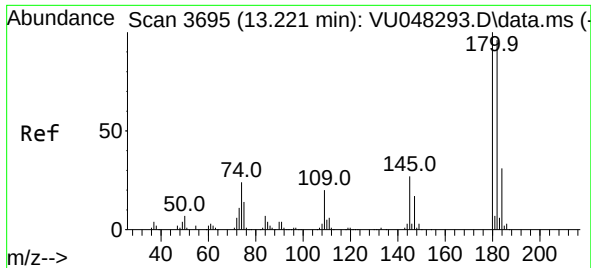
Tgt Ion:146 Resp: 380775
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.7 47.5
 148 64.2 50.9 76.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 47.417 ug/L
 RT: 12.999 min Scan# 3626
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

Tgt Ion: 75 Resp: 65363
 Ion Ratio Lower Upper
 75 100
 155 96.8 71.8 107.6
 157 124.9 93.4 140.2

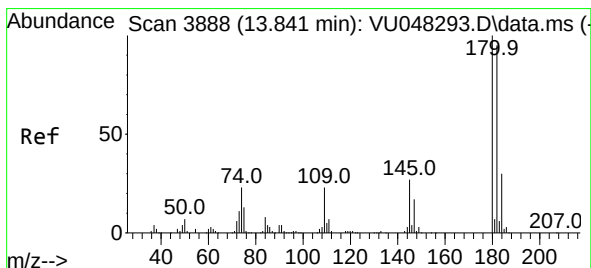
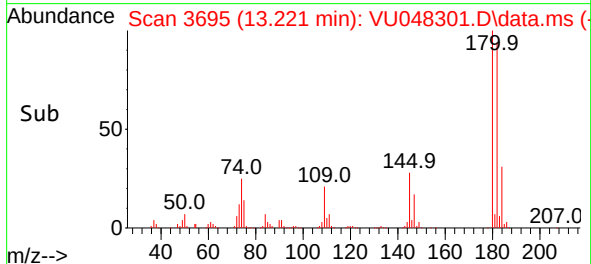
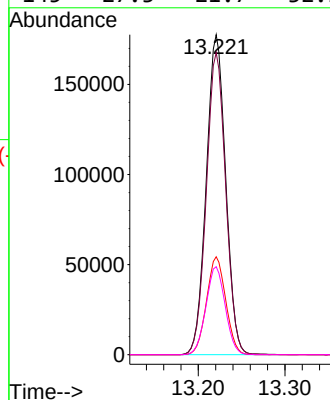
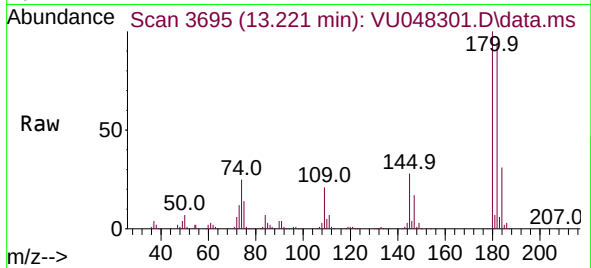




#69
 1,3,5-Trichlorobenzene
 Concen: 53.568 ug/L
 RT: 13.221 min Scan# 3695
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

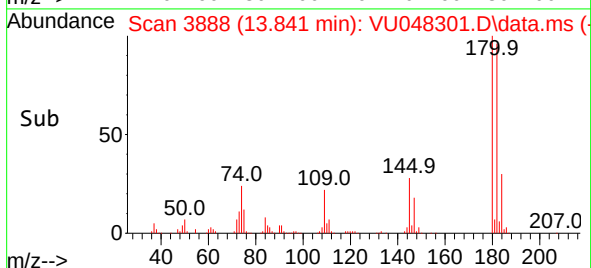
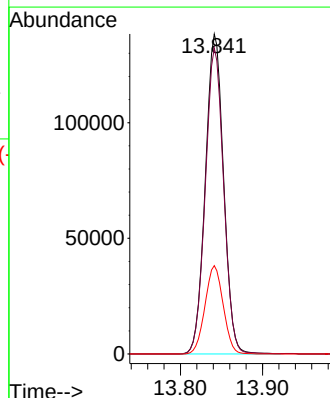
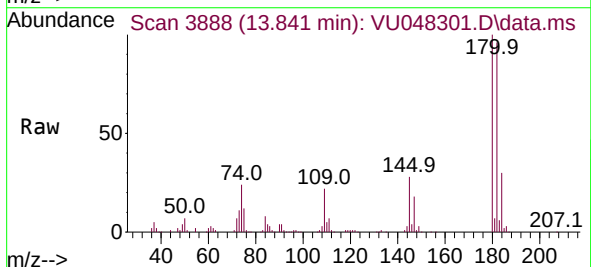
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

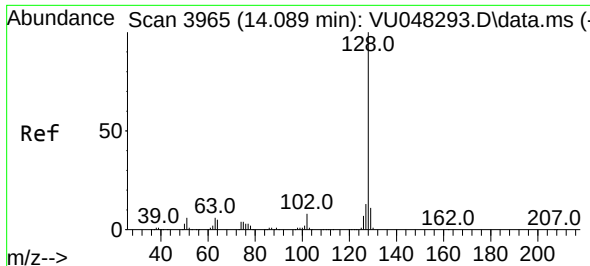
Tgt Ion:180	Resp:	276186
Ion	Ratio	Lower Upper
180	100	
182	94.2	77.0 115.4
184	30.4	24.6 37.0
145	27.3	21.7 32.5



#70
 1,2,4-trichlorobenzene
 Concen: 52.502 ug/L
 RT: 13.841 min Scan# 3888
 Delta R.T. 0.000 min
 Lab File: VU048301.D
 Acq: 26 Apr 2022 15:29

Tgt Ion:180	Resp:	213851
Ion	Ratio	Lower Upper
180	100	
182	95.9	76.3 114.5
145	27.5	22.6 33.8

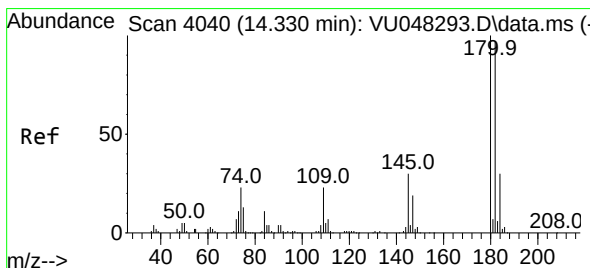
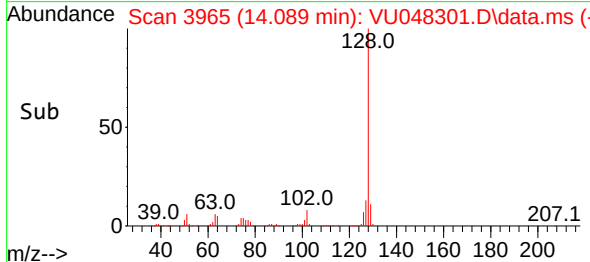
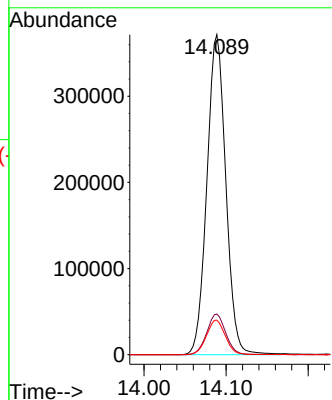
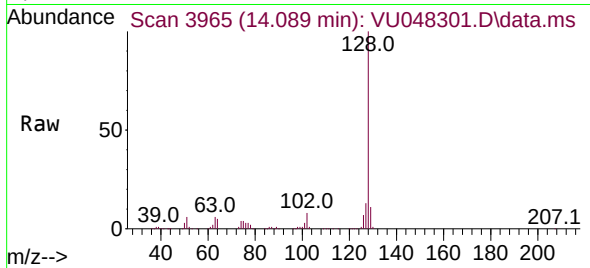




#71
Naphthalene
Concen: 51.082 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD050102

Tgt Ion:128 Resp: 595452
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 53.082 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048301.D
Acq: 26 Apr 2022 15:29

Tgt Ion:180 Resp: 221583
Ion Ratio Lower Upper
180 100
182 95.1 75.8 113.6
145 29.5 23.5 35.3

