

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U072622\
 Data File : U049928.D
 Acq On : 26 Jul 2022 21:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

Quant Time: Jul 27 04:00:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 27 03:55:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	92239	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	90513	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	47146	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	31345	4.198	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.913	69	26351	4.216	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.400%
11) 1,1-Dichloroethene-d2	2.565	65	13714	4.115	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.200%
20) 2-Butanone-d5	4.633	46	133623	49.732	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.460%
24) Chloroform-d	5.064	84	76785	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.704	65	42177	4.325	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
32) Benzene-d6	5.726	84	128200	4.157	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	6.691	67	46119	4.328	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.600%
41) Toluene-d8	7.900	98	111076	4.120	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
43) trans-1,3-Dichloroprop...	8.179	79	15018	3.882	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.636	63	70432	45.945	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.900%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	43371	4.847	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	42231	4.340	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	56266	5.778	ug/L	97
3) Chloromethane	1.520	50	54391	4.540	ug/L	99
5) Vinyl chloride	1.601	62	52073	5.198	ug/L	99
6) Bromomethane	1.858	94	23741	4.383	ug/L	93
8) Chloroethane	1.932	64	26558	4.601	ug/L	97
9) Trichlorofluoromethane	2.135	101	68704	5.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	35655	5.920	ug/L	99
12) 1,1-Dichloroethene	2.578	96	30964	5.080	ug/L	88
13) Acetone	2.646	43	77198	47.768	ug/L	97
14) Carbon disulfide	2.790	76	93952	4.983	ug/L	98
15) Methyl Acetate	2.958	43	18157	4.507	ug/L	94
16) Methylene chloride	3.044	84	44181	3.214	ug/L	99
17) Methyl tert-butyl Ether	3.366	73	89602	4.538	ug/L	98
18) trans-1,2-Dichloroethene	3.353	96	33649	4.776	ug/L	98
19) 1,1-Dichloroethane	3.871	63	74429	4.888	ug/L	98
21) 2-Butanone	4.710	43	132151	48.214	ug/L	95
22) cis-1,2-Dichloroethene	4.668	96	38757	4.750	ug/L	98
23) Bromochloromethane	4.977	128	18043	4.950	ug/L	94
25) Chloroform	5.089	83	77692	4.810	ug/L	99

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 Data File : VU049928.D
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 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

Quant Time: Jul 27 04:00:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 27 03:55:15 2022
 Response via : Initial Calibration

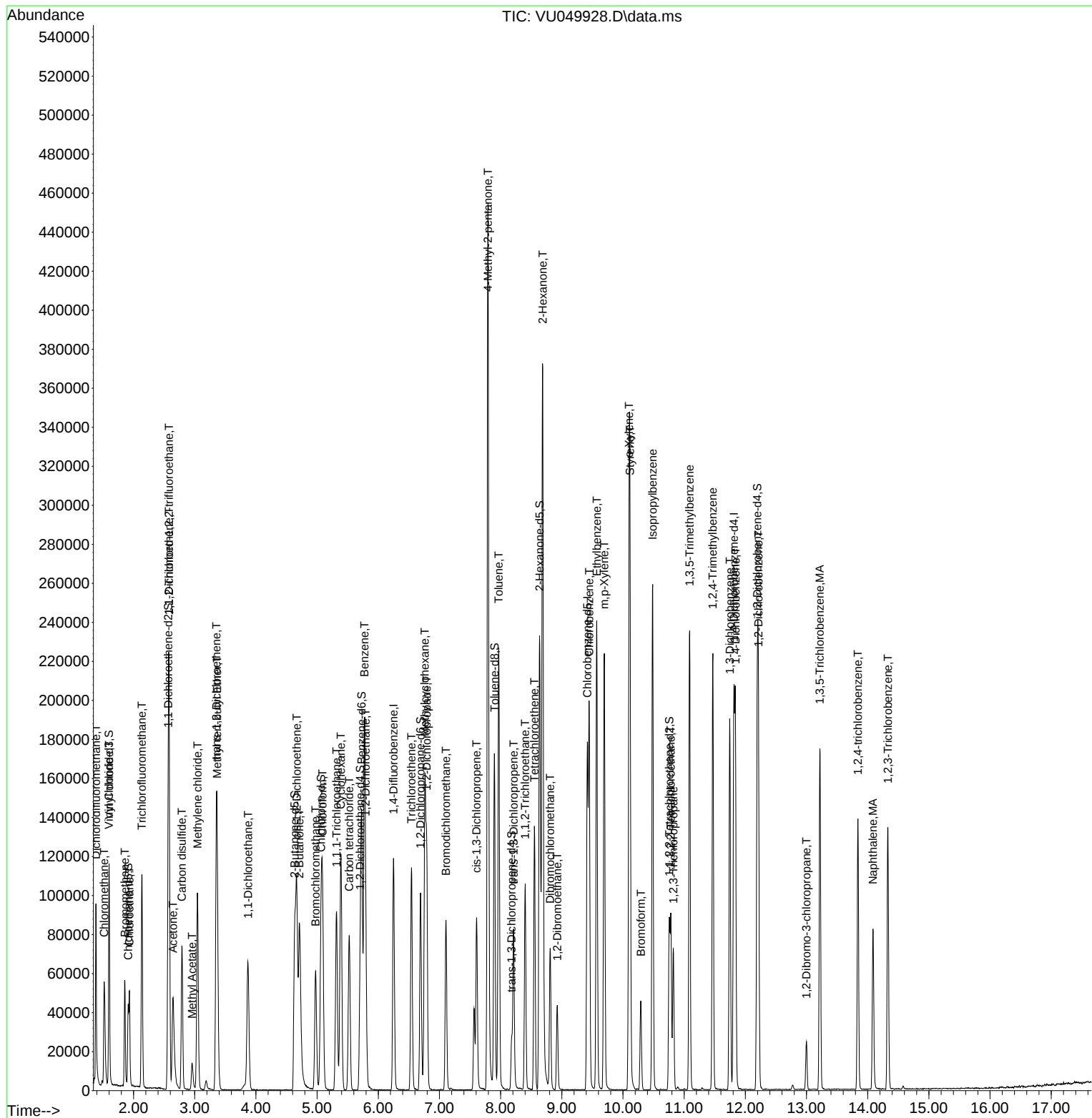
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.794	62	49472	4.459	ug/L	97
29) 1,1,1-Trichloroethane	5.318	97	64408	5.069	ug/L	99
30) Cyclohexane	5.388	56	56252	5.467	ug/L	99
31) Carbon tetrachloride	5.523	117	54260	5.259	ug/L	98
33) Benzene	5.774	78	156592	4.768	ug/L	100
34) Trichloroethene	6.543	95	38520	4.837	ug/L	97
35) Methylcyclohexane	6.761	83	52468	5.342	ug/L	98
37) 1,2-Dichloropropane	6.790	63	45168	4.825	ug/L	99
38) Bromodichloromethane	7.105	83	54971	4.700	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	51155	4.147	ug/L	94
40) 4-Methyl-2-pentanone	7.793	43	306956	47.012	ug/L	100
42) Toluene	7.967	91	160865	4.897	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	44748	4.202	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	30886	4.623	ug/L	96
47) Tetrachloroethene	8.552	164	26591	4.851	ug/L	98
48) 2-Hexanone	8.687	43	244430	50.158	ug/L	96
49) Dibromochloromethane	8.810	129	35792	4.793	ug/L	95
50) 1,2-Dibromoethane	8.925	107	28060	4.730	ug/L	99
51) Chlorobenzene	9.446	112	96009	4.604	ug/L	97
52) Ethylbenzene	9.572	91	164222	4.862	ug/L	100
53) m,p-Xylene	9.694	106	59966	4.826	ug/L	95
54) o-Xylene	10.099	106	58932	4.800	ug/L	96
55) Styrene	10.115	104	100569	4.836	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.781	83	42679	4.946	ug/L	97
59) Bromoform	10.292	173	19996	4.873	ug/L	98
60) Isopropylbenzene	10.485	105	155580	4.988	ug/L	100
61) 1,2,3-Trichloropropane	10.822	75	29089	4.631	ug/L	97
62) 1,3,5-Trimethylbenzene	11.089	105	125551	4.764	ug/L	97
63) 1,2,4-Trimethylbenzene	11.469	105	118835	4.646	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	72832	4.723	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	71298	4.673	ug/L	99
67) 1,2-Dichlorobenzene	12.215	146	72394	4.752	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.996	75	6801	4.840	ug/L	94
69) 1,3,5-Trichlorobenzene	13.218	180	50499	4.436	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	39413	4.123	ug/L	99
71) Naphthalene	14.086	128	69058	3.705	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	39049	4.250	ug/L	97

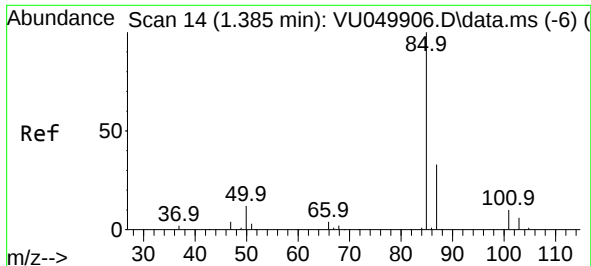
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Data File : VU049928.D
Acq On : 26 Jul 2022 21:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Quant Time: Jul 27 04:00:52 2022
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QLast Update : Wed Jul 27 03:55:15 2022
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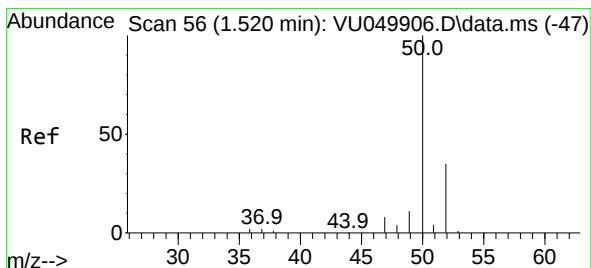
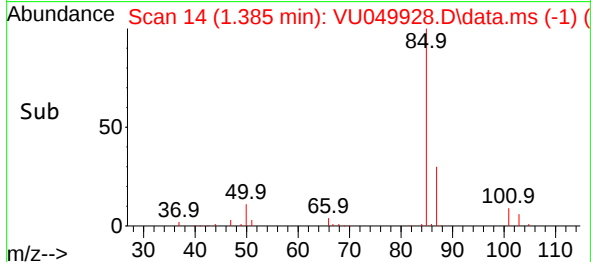
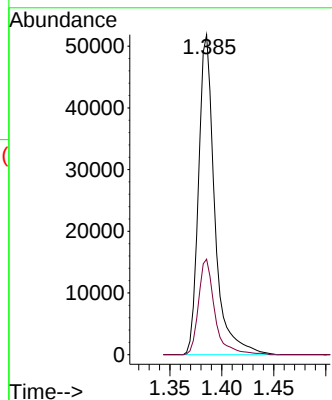
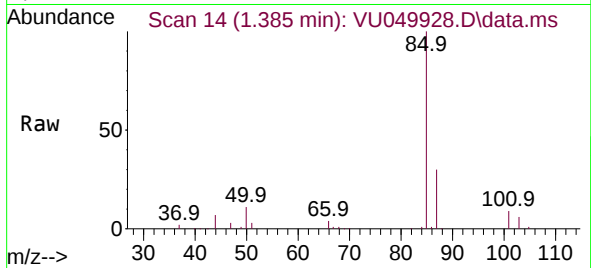




#2
Dichlorodifluoromethane
Concen: 5.778 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

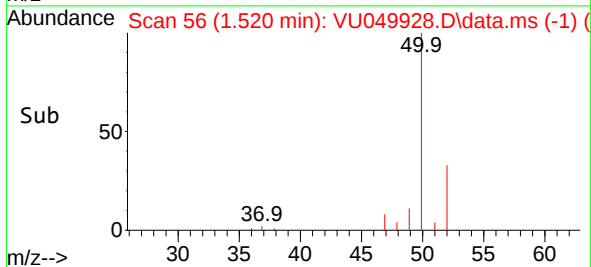
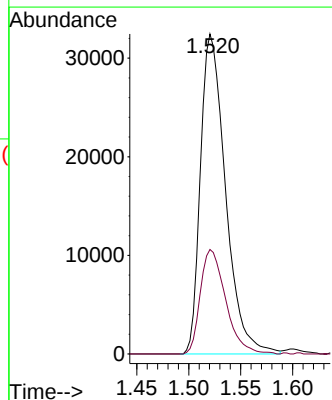
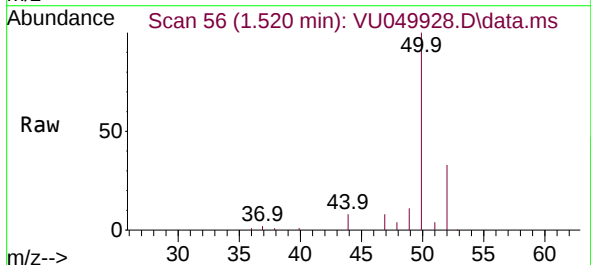
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

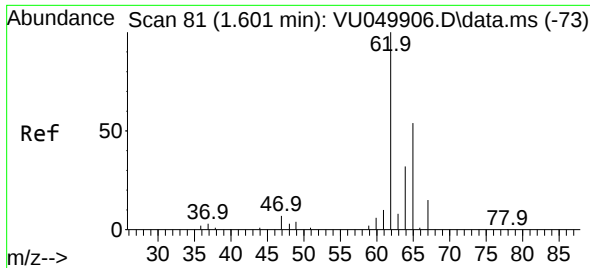
Tgt Ion: 85 Resp: 56266
Ion Ratio Lower Upper
85 100
87 30.1 25.4 38.2



#3
Chloromethane
Concen: 4.540 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 50 Resp: 54391
Ion Ratio Lower Upper
50 100
52 32.7 22.5 41.7

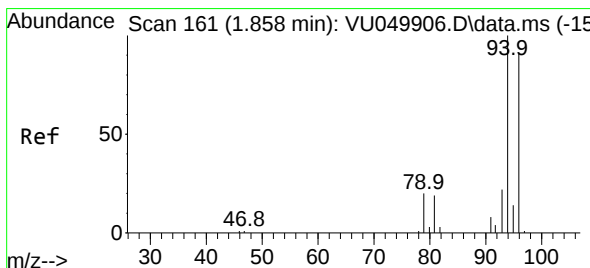
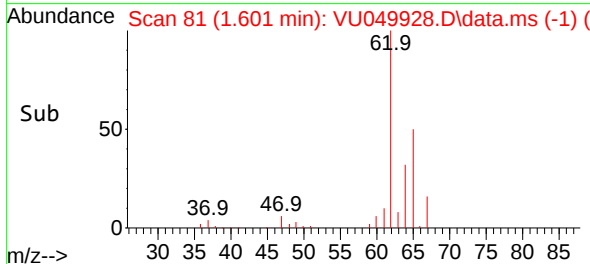
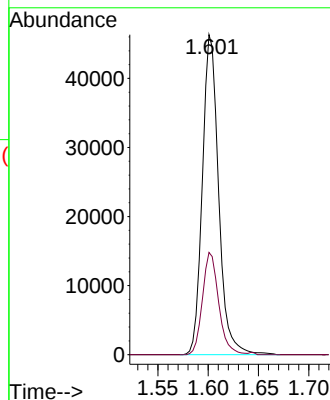
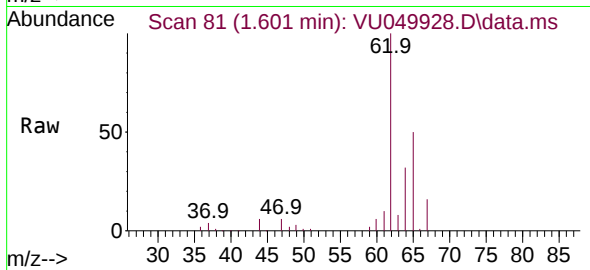




#5
 Vinyl chloride
 Concen: 5.198 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

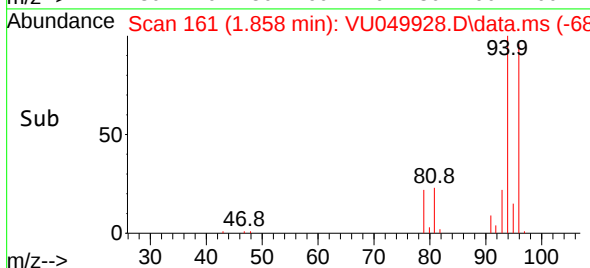
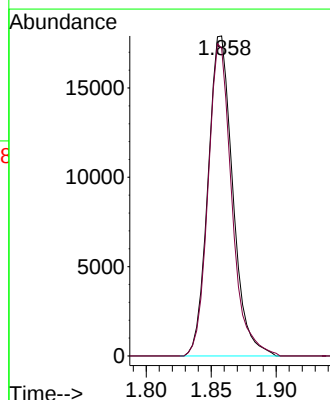
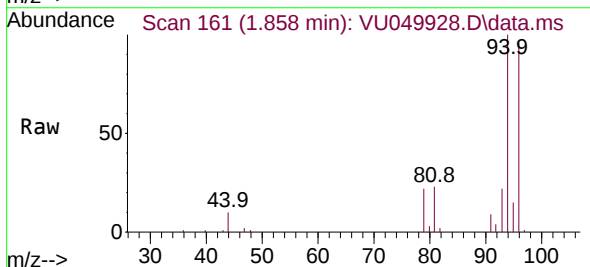
Instrument :
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 ClientSampleId :
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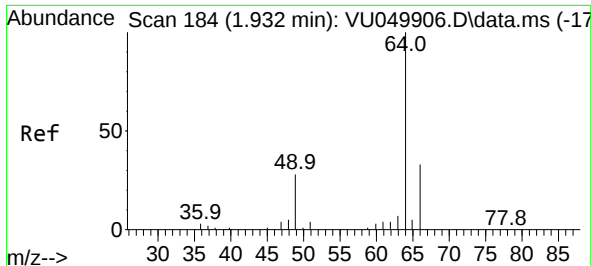
Tgt Ion: 62 Resp: 52073
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.7 42.3



#6
 Bromomethane
 Concen: 4.383 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

Tgt Ion: 94 Resp: 23741
 Ion Ratio Lower Upper
 94 100
 96 96.2 62.6 116.3

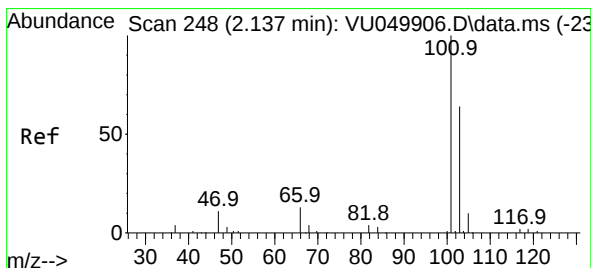
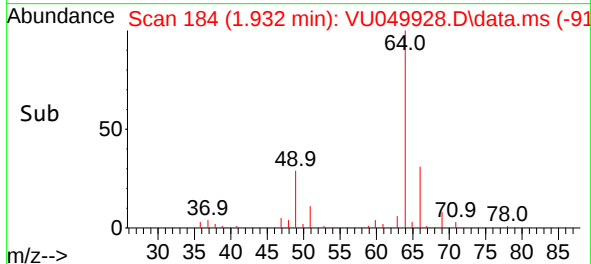
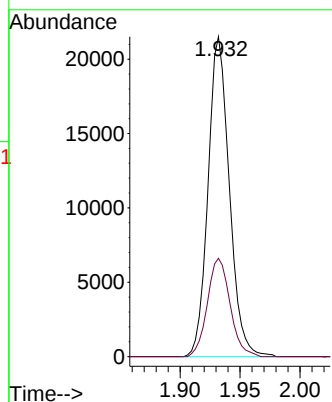
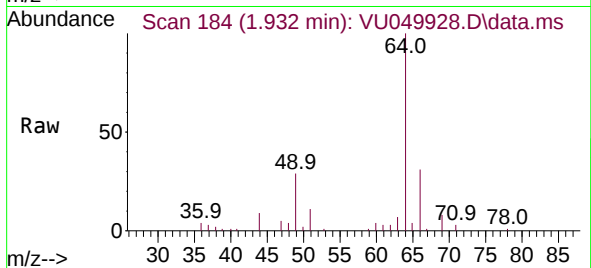




#8
Chloroethane
Concen: 4.601 ug/L
RT: 1.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

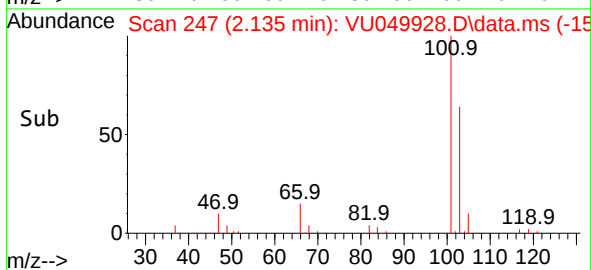
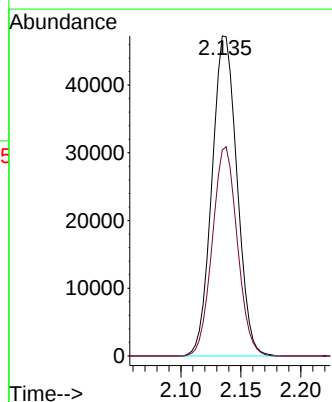
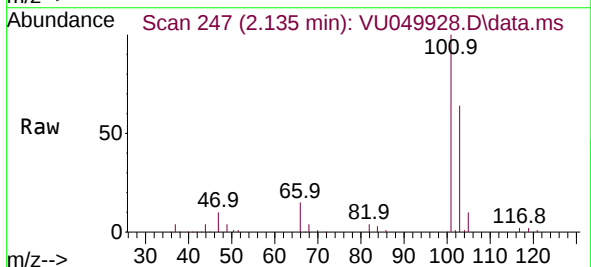
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

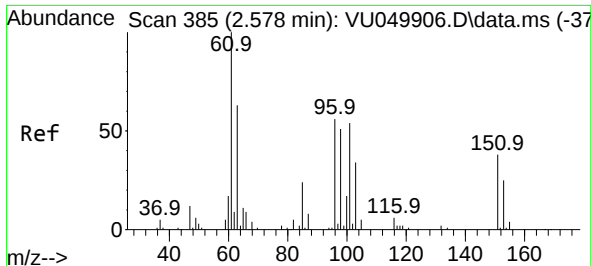
Tgt Ion: 64 Resp: 26558
Ion Ratio Lower Upper
64 100
66 30.7 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.579 ug/L
RT: 2.135 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion:101 Resp: 68704
Ion Ratio Lower Upper
101 100
103 65.1 50.8 76.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.920 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

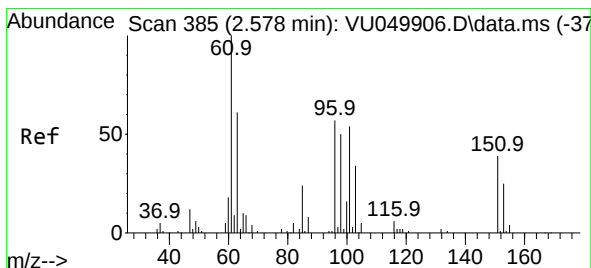
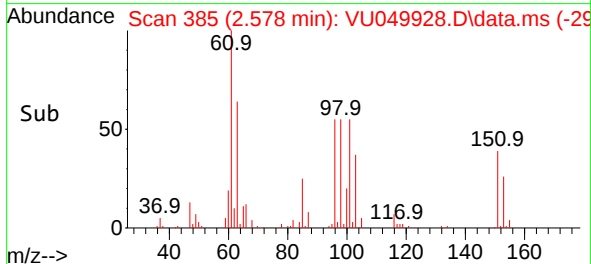
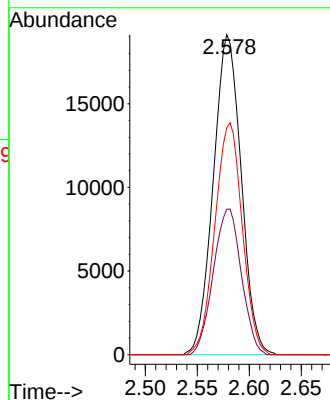
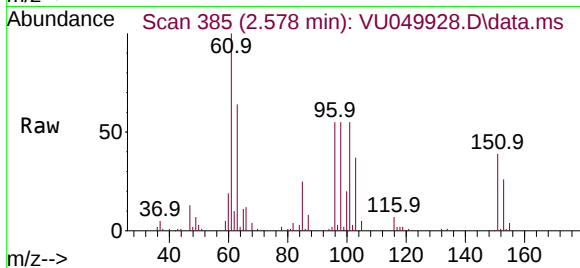
Tgt Ion:101 Resp: 35655

Ion Ratio Lower Upper

101 100

85 45.8 37.2 55.8

151 71.3 56.0 84.0



#12

1,1-Dichloroethene

Concen: 5.080 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

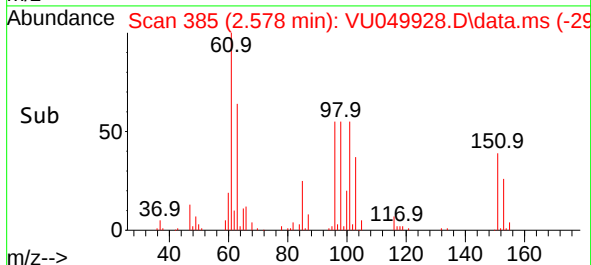
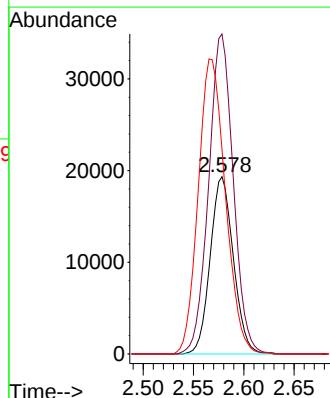
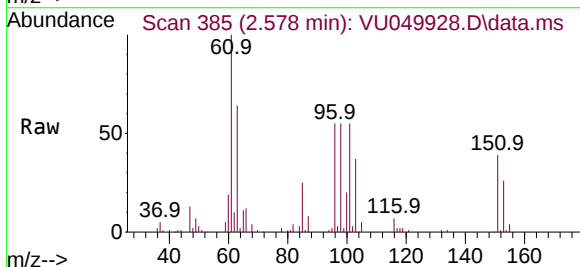
Tgt Ion: 96 Resp: 30964

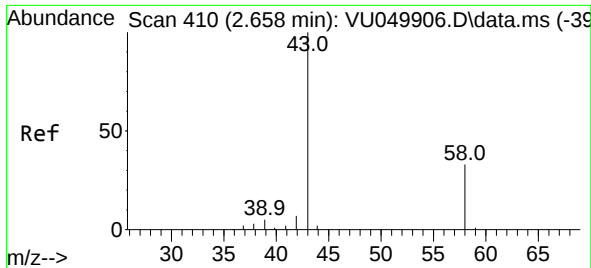
Ion Ratio Lower Upper

96 100

61 180.4 131.6 244.4

63 115.6 100.0 185.6





#13

Acetone

Concen: 47.768 ug/L

RT: 2.646 min Scan# 406

Delta R.T. -0.013 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

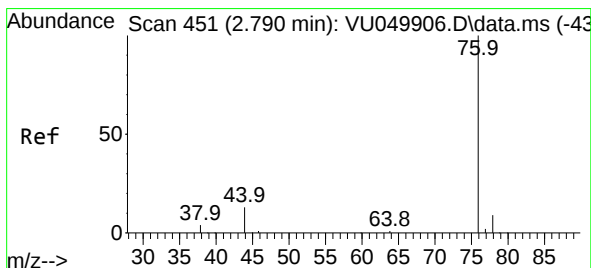
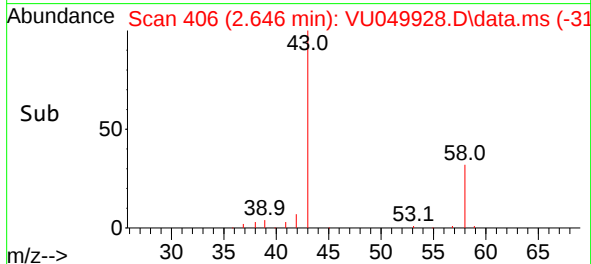
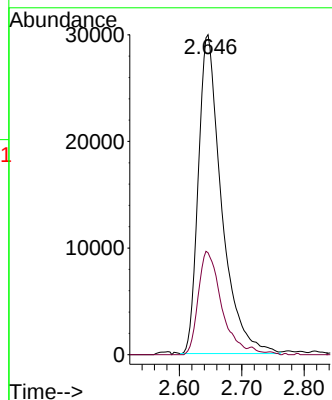
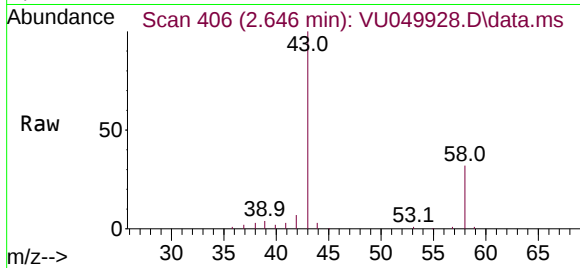
VSTD005132

Tgt Ion: 43 Resp: 77198

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.0



#14

Carbon disulfide

Concen: 4.983 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU049928.D

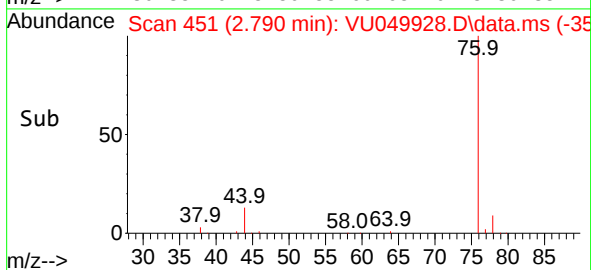
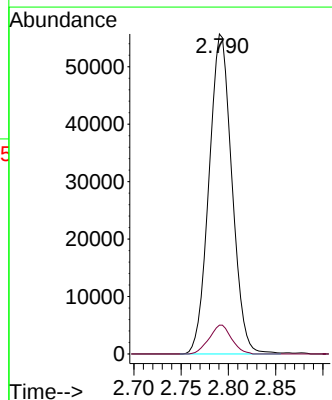
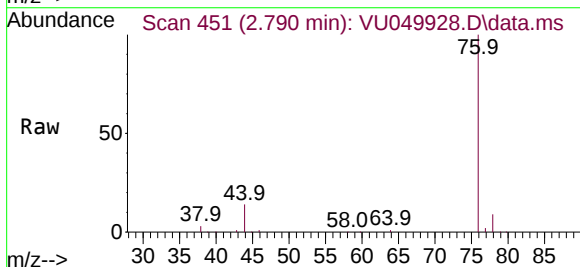
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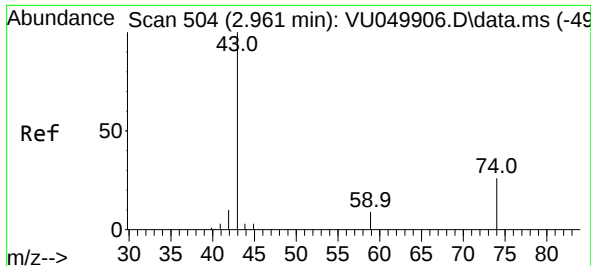
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Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6

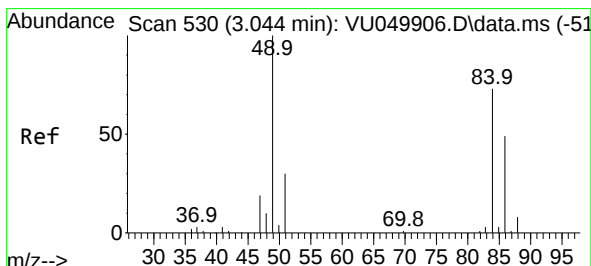
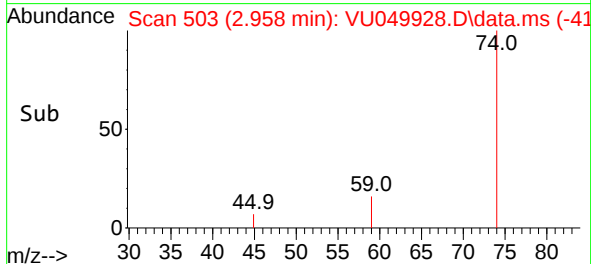
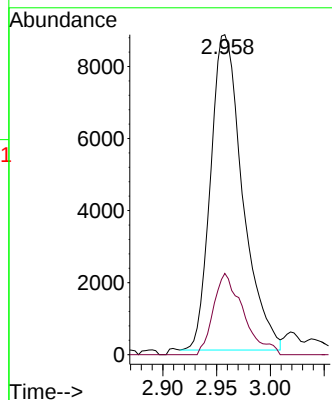
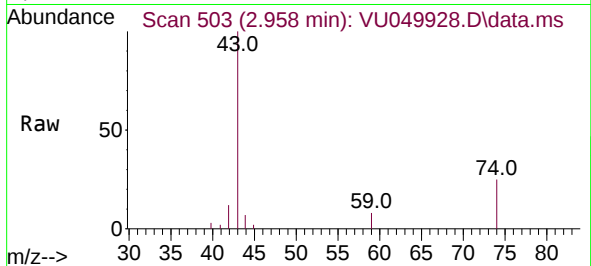




#15
Methyl Acetate
Concen: 4.507 ug/L
RT: 2.958 min Scan# 504
Delta R.T. -0.003 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

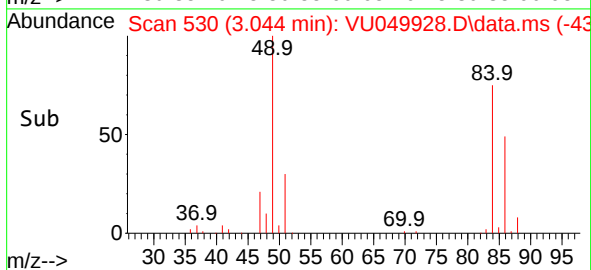
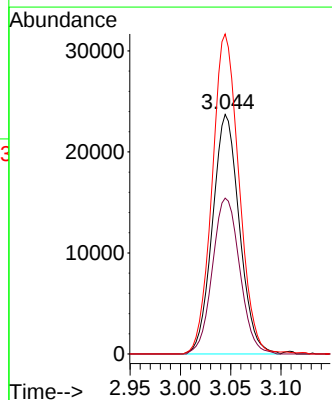
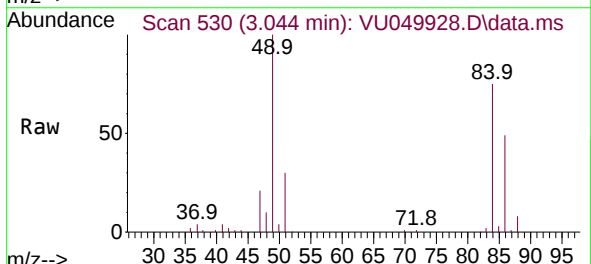
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

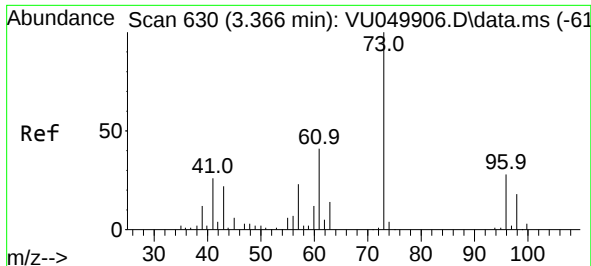
Tgt Ion: 43 Resp: 18157
Ion Ratio Lower Upper
43 100
74 24.1 17.1 25.7



#16
Methylene chloride
Concen: 3.214 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 84 Resp: 44181
Ion Ratio Lower Upper
84 100
86 65.0 45.5 84.5
49 133.6 94.1 174.8





#17

Methyl tert-butyl Ether

Concen: 4.538 ug/L

RT: 3.366 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

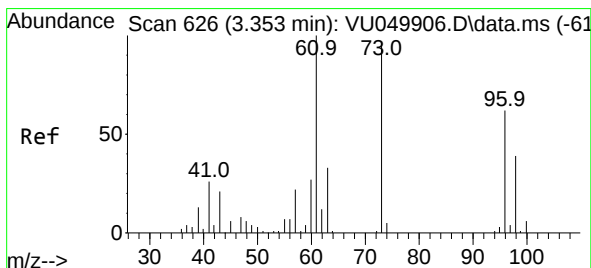
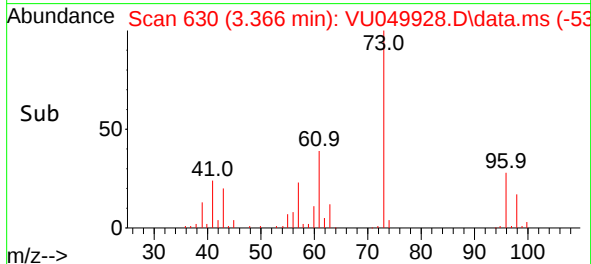
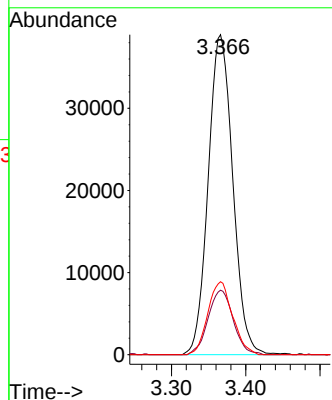
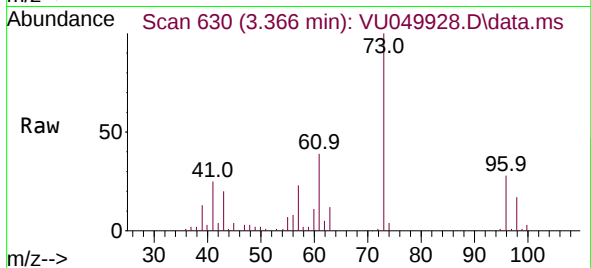
Tgt Ion: 73 Resp: 89602

Ion Ratio Lower Upper

73 100

43 20.6 17.4 26.2

57 22.9 18.7 28.1



#18

trans-1,2-Dichloroethene

Concen: 4.776 ug/L

RT: 3.353 min Scan# 626

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

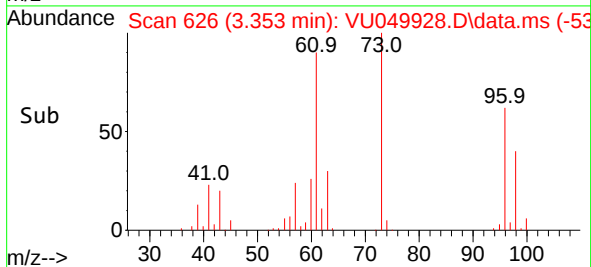
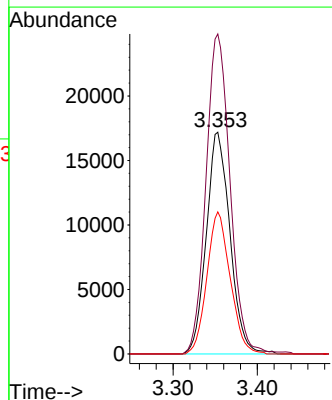
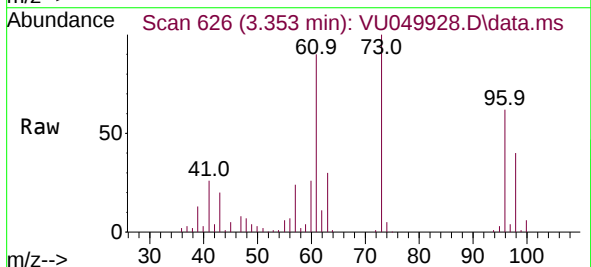
Tgt Ion: 96 Resp: 33649

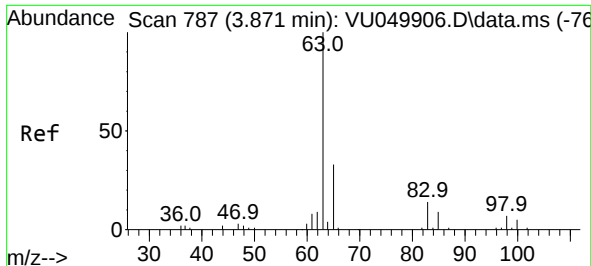
Ion Ratio Lower Upper

96 100

61 144.3 101.5 188.5

98 64.1 42.5 78.9

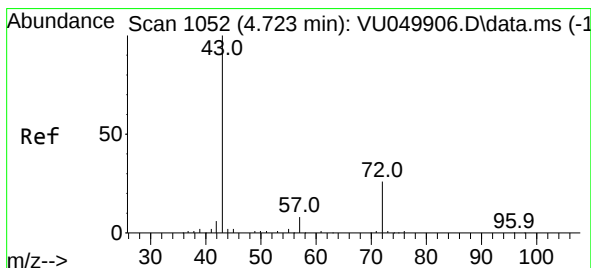
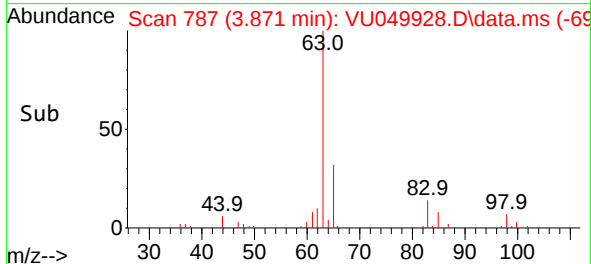
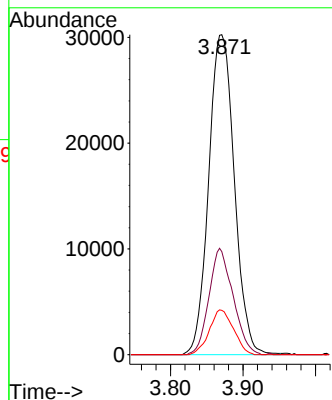
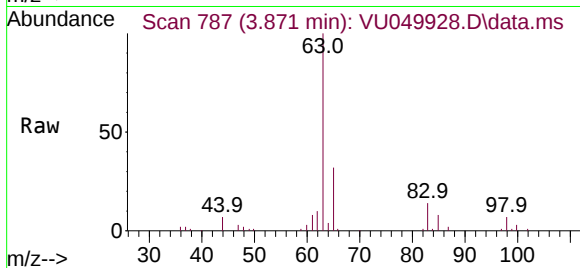




#19
1,1-Dichloroethane
Concen: 4.888 ug/L
RT: 3.871 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

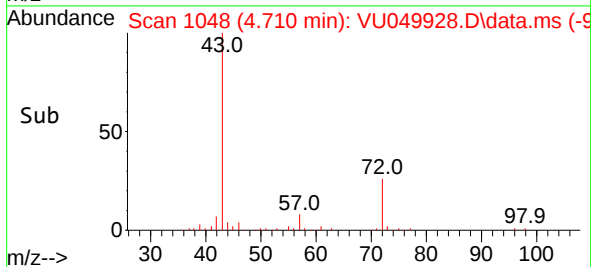
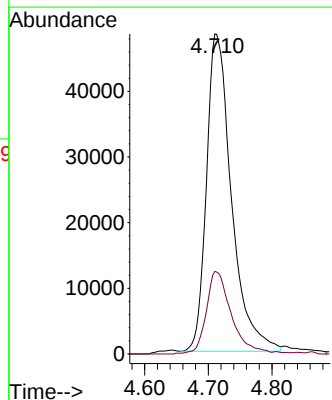
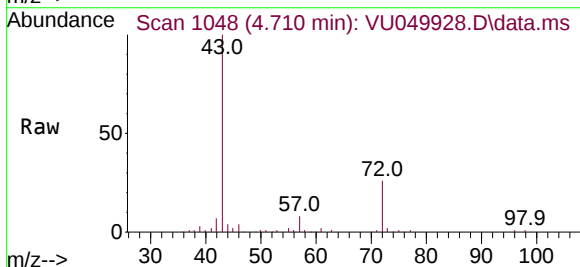
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

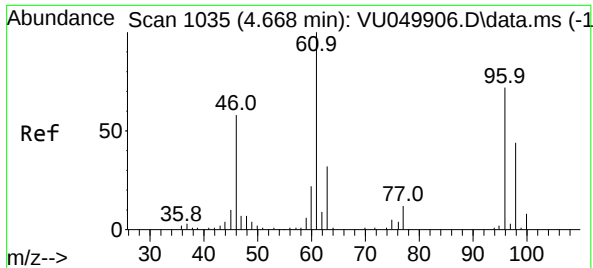
Tgt Ion:	63	Resp:	74429
Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.5	41.9
83	13.9	8.3	15.5



#21
2-Butanone
Concen: 48.214 ug/L
RT: 4.710 min Scan# 1048
Delta R.T. -0.013 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion:	43	Resp:	132151
Ion	Ratio	Lower	Upper
43	100		
72	25.9	11.9	35.5

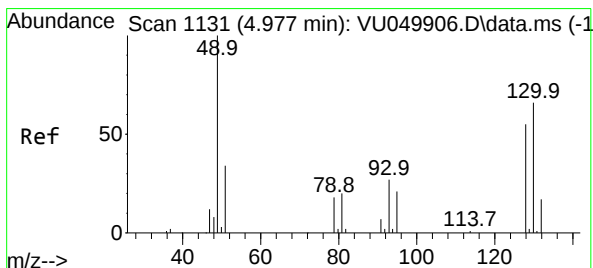
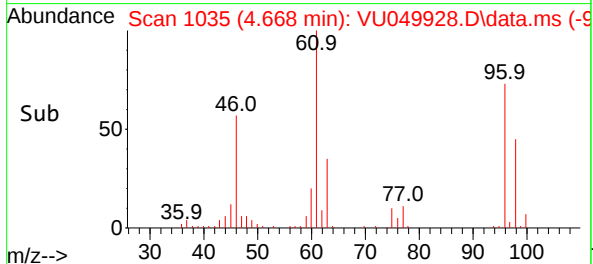
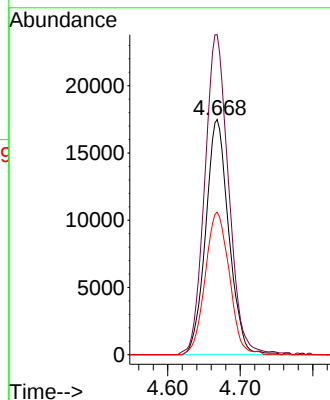
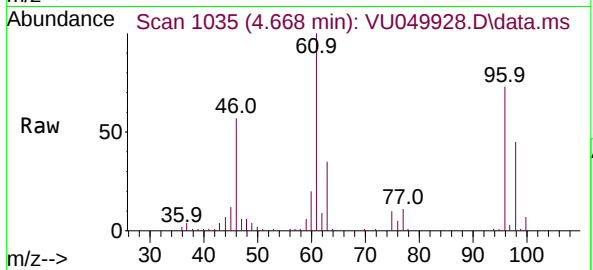




#22
 cis-1,2-Dichloroethene
 Concen: 4.750 ug/L
 RT: 4.668 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

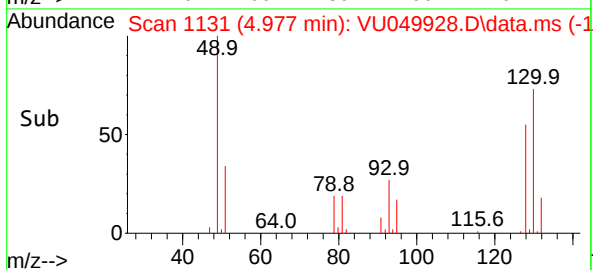
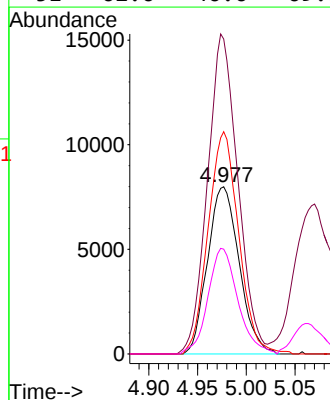
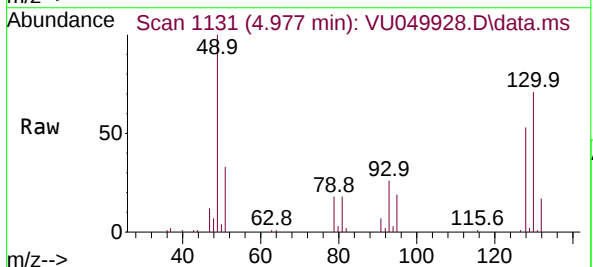
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

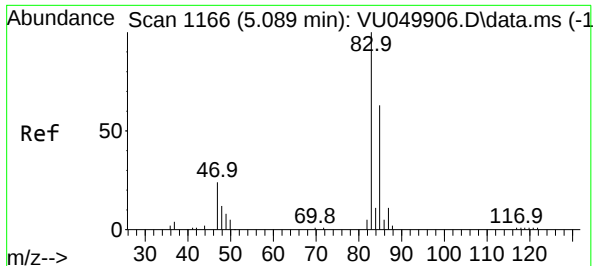
Tgt Ion:	96	Resp:	38757
Ion	Ratio	Lower	Upper
96	100		
61	136.1	93.9	174.3
98	60.6	43.9	81.5



#23
 Bromochloromethane
 Concen: 4.950 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

Tgt Ion:	128	Resp:	18043
Ion	Ratio	Lower	Upper
128	100		
49	188.3	124.9	232.1
130	132.9	88.5	164.3
51	62.6	46.6	69.8





#25

Chloroform

Concen: 4.810 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

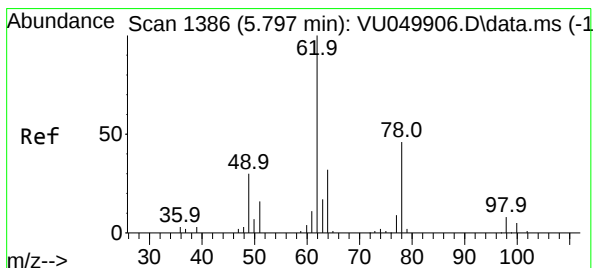
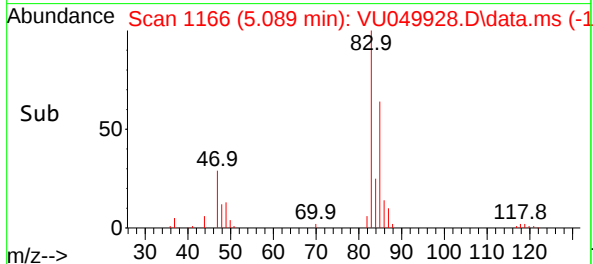
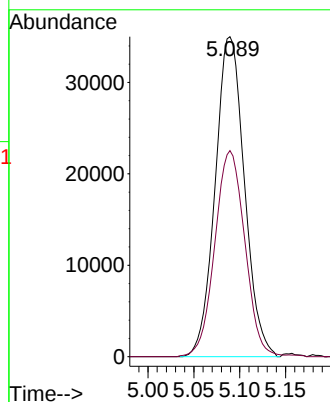
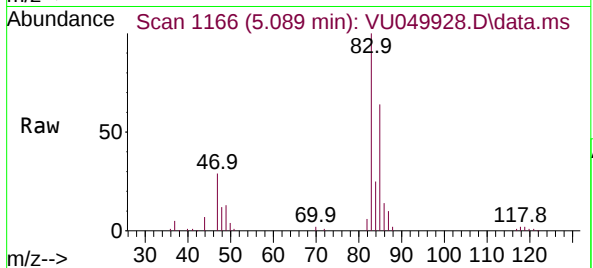
VSTD005132

Tgt Ion: 83 Resp: 77692

Ion Ratio Lower Upper

83 100

85 64.4 45.5 84.5



#27

1,2-Dichloroethane

Concen: 4.459 ug/L

RT: 5.794 min Scan# 1385

Delta R.T. -0.003 min

Lab File: VU049928.D

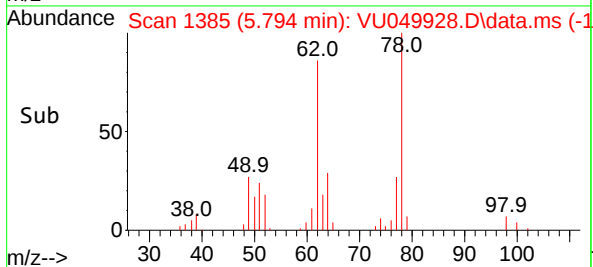
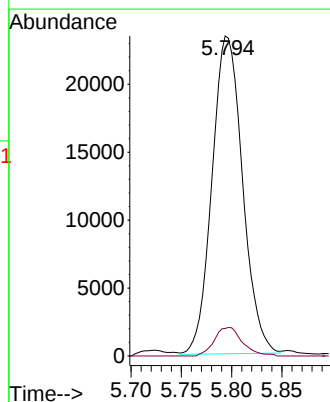
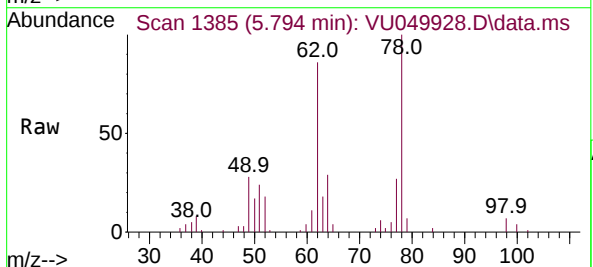
Acq: 26 Jul 2022 21:40

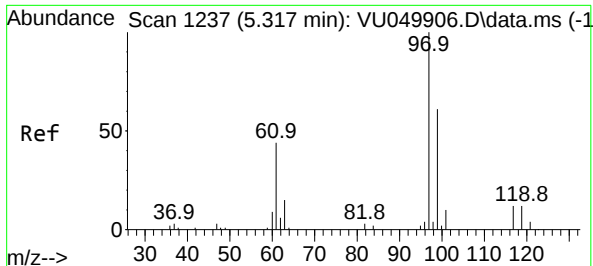
Tgt Ion: 62 Resp: 49472

Ion Ratio Lower Upper

62 100

98 8.6 5.9 8.9





#29

1,1,1-Trichloroethane

Concen: 5.069 ug/L

RT: 5.318 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

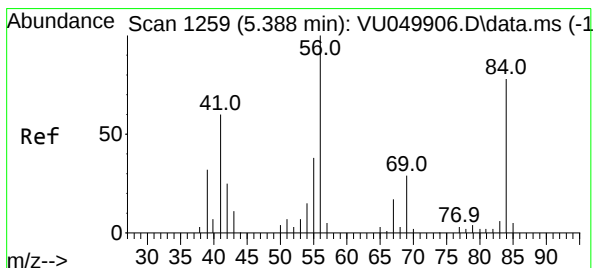
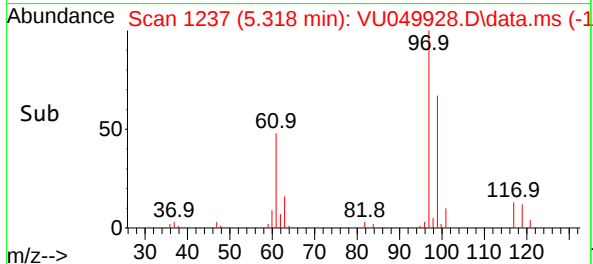
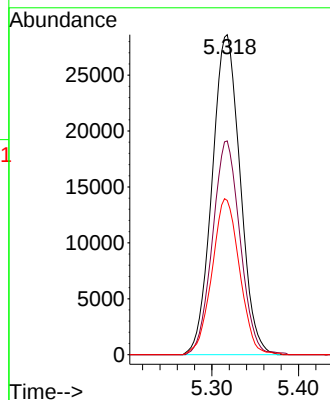
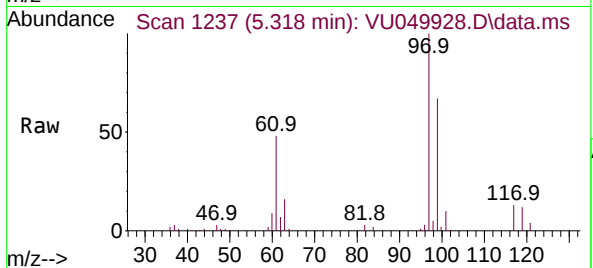
Tgt Ion: 97 Resp: 64408

Ion Ratio Lower Upper

97 100

99 65.7 51.8 77.8

61 47.9 38.3 57.5



#30

Cyclohexane

Concen: 5.467 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

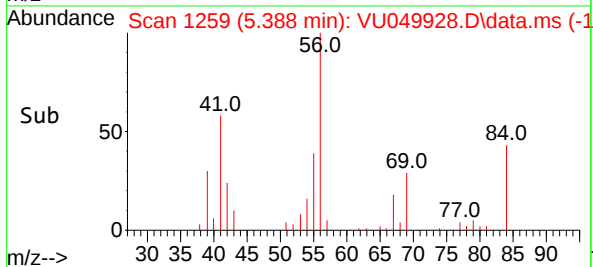
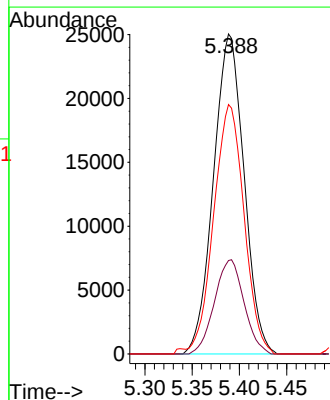
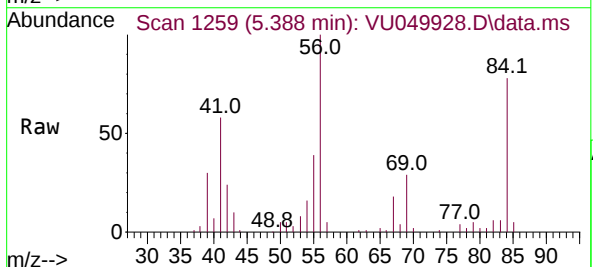
Tgt Ion: 56 Resp: 56252

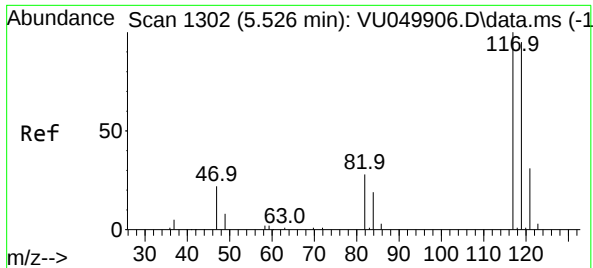
Ion Ratio Lower Upper

56 100

69 28.5 22.8 34.2

84 77.4 63.0 94.6

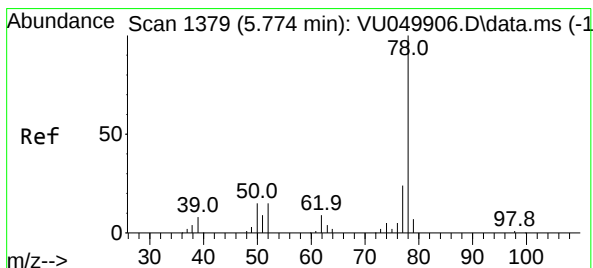
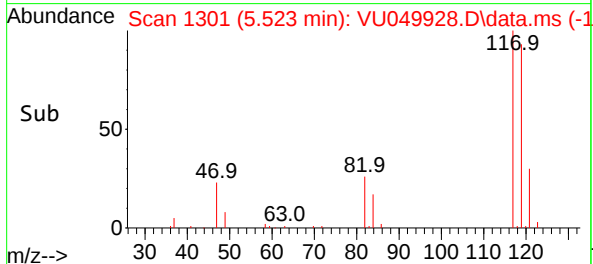
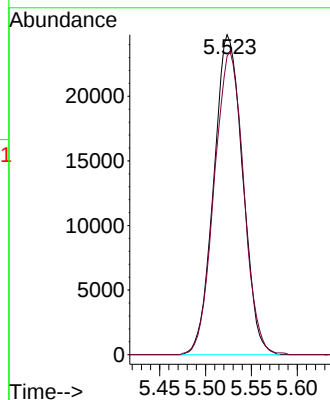
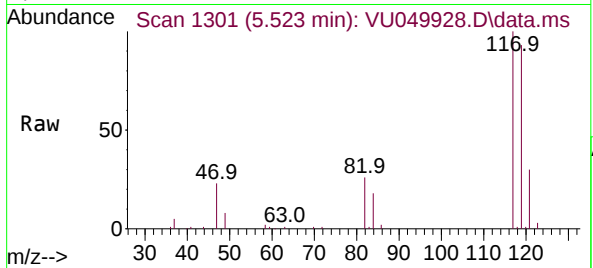




#31
Carbon tetrachloride
Concen: 5.259 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.003 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

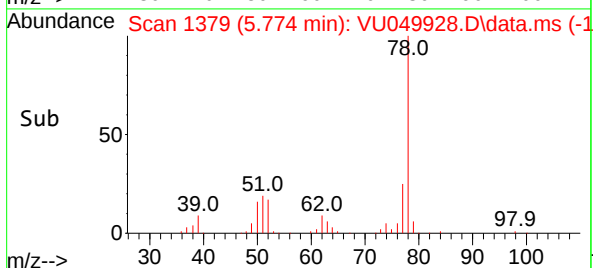
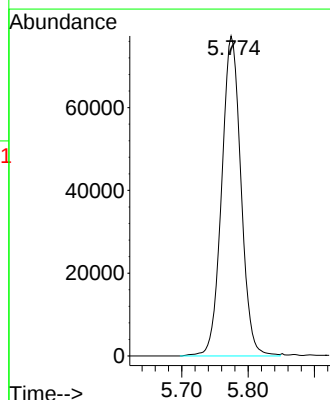
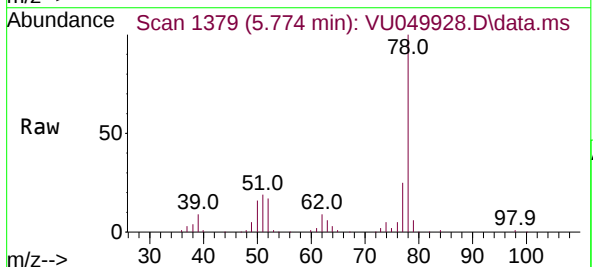
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

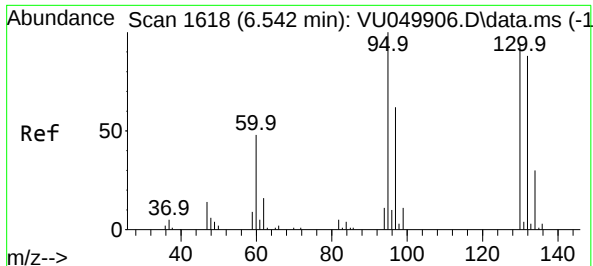
Tgt Ion:117 Resp: 54260
Ion Ratio Lower Upper
117 100
119 96.3 75.2 112.8



#33
Benzene
Concen: 4.768 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 78 Resp: 156592



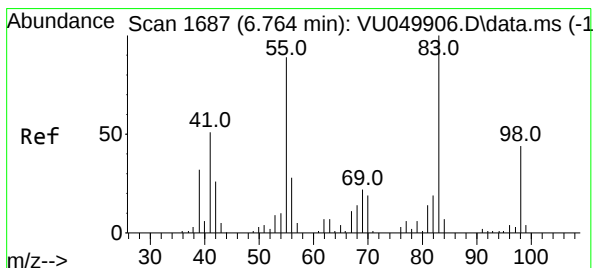
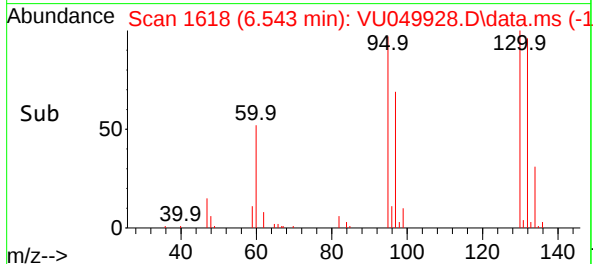
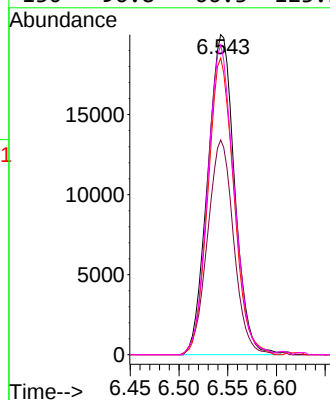
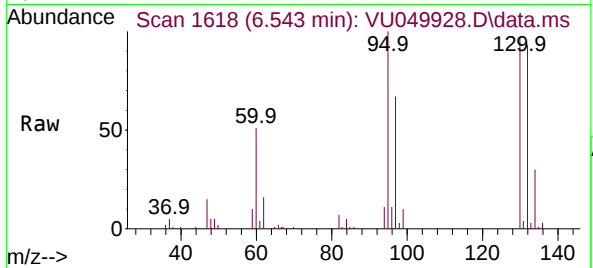


#34
Trichloroethene
Concen: 4.837 ug/L
RT: 6.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Tgt Ion: 95 Resp: 38520

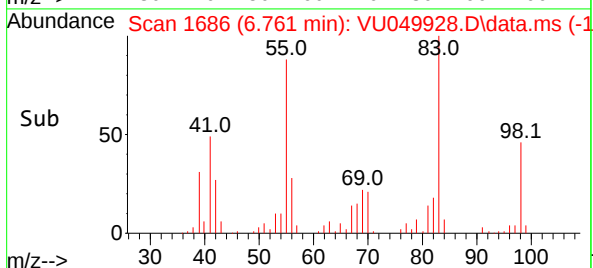
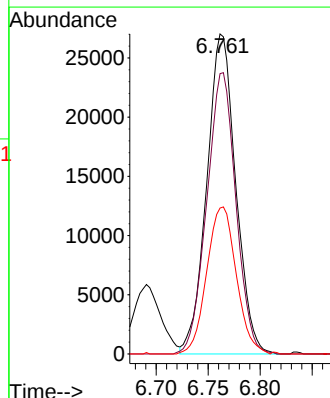
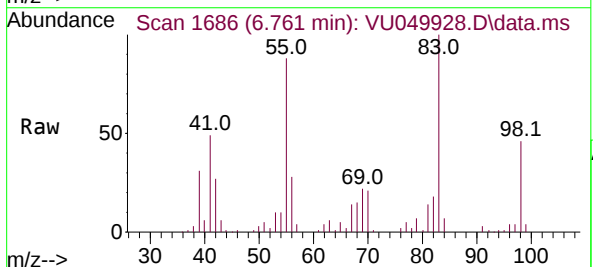
Ion	Ratio	Lower	Upper
95	100		
97	67.1	46.8	86.8
132	92.7	61.8	114.8
130	96.8	66.3	123.1

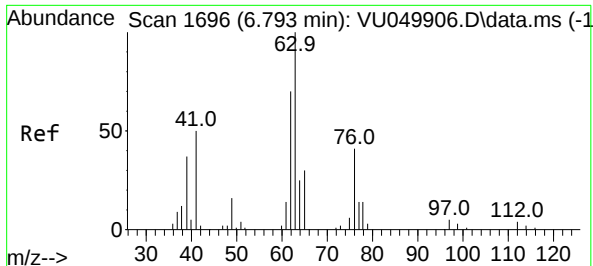


#35
Methylcyclohexane
Concen: 5.342 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 83 Resp: 52468

Ion	Ratio	Lower	Upper
83	100		
55	88.2	69.0	103.4
98	46.8	36.4	54.6





#37

1,2-Dichloropropane

Concen: 4.825 ug/L

RT: 6.790 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

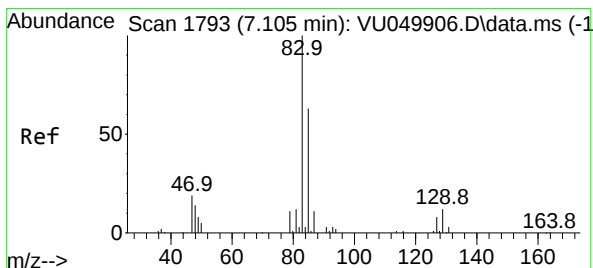
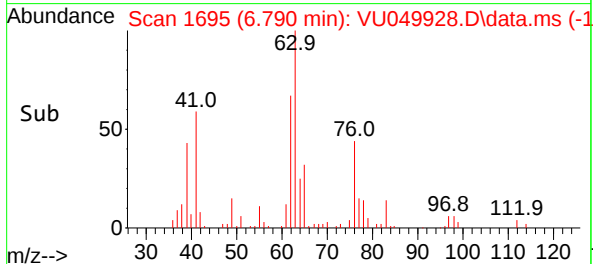
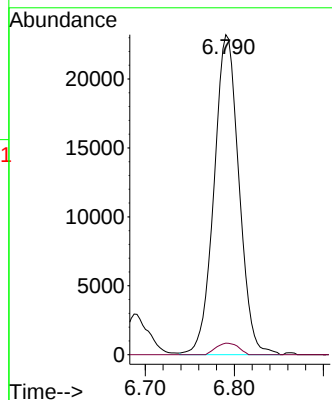
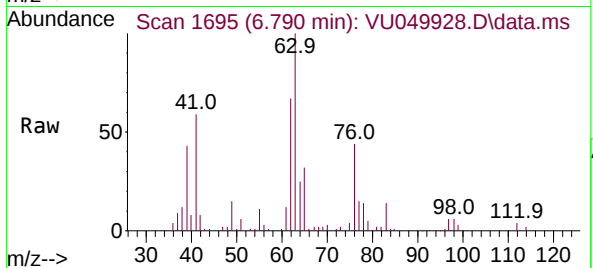
VSTD005132

Tgt Ion: 63 Resp: 45168

Ion Ratio Lower Upper

63 100

112 3.2 2.8 4.2



#38

Bromodichloromethane

Concen: 4.700 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

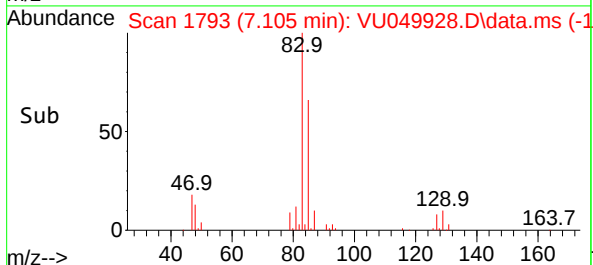
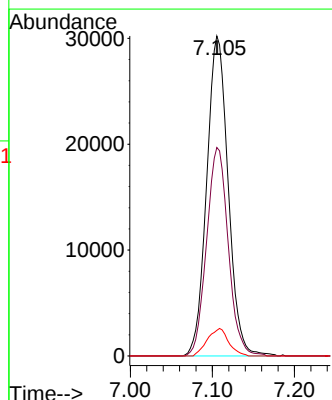
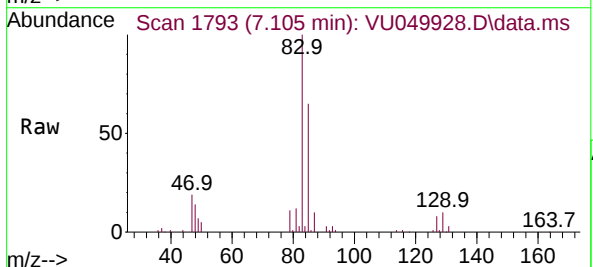
Tgt Ion: 83 Resp: 54971

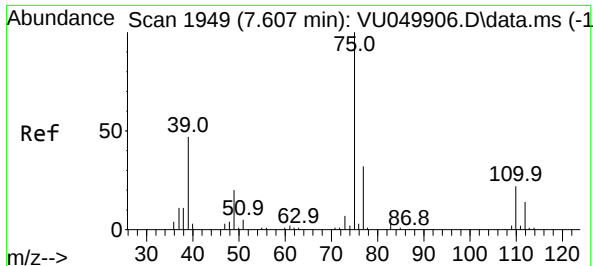
Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3

127 8.0 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.147 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

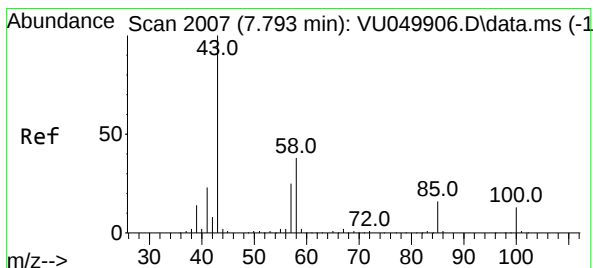
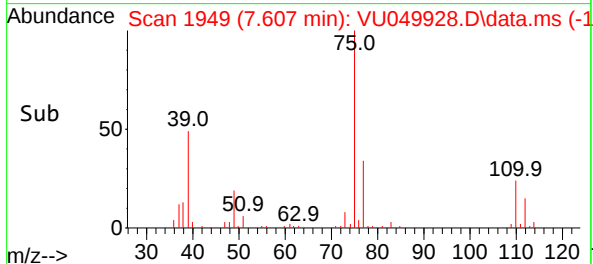
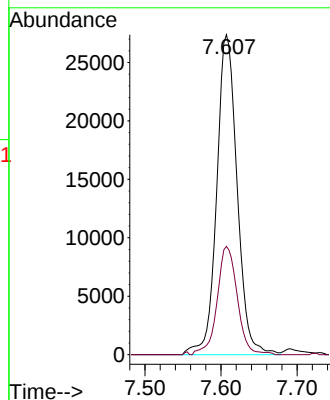
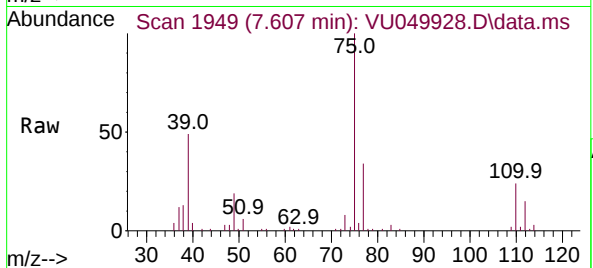
VSTD005132

Tgt Ion: 75 Resp: 51155

Ion Ratio Lower Upper

75 100

77 33.9 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 47.012 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

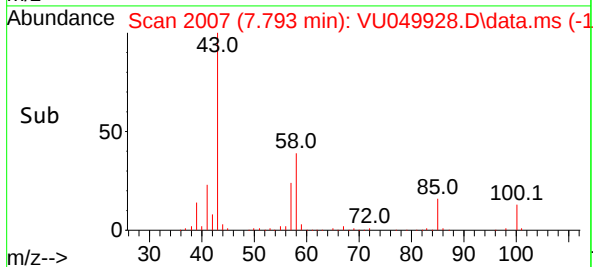
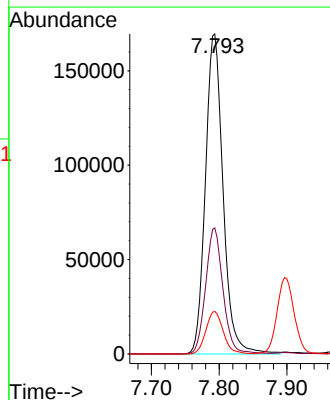
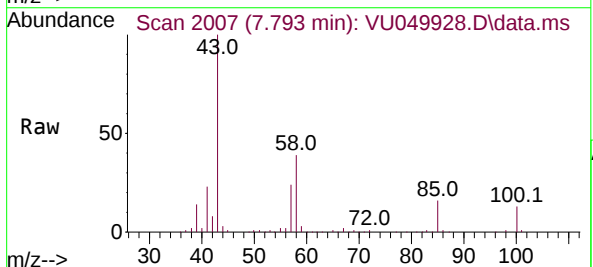
Tgt Ion: 43 Resp: 306956

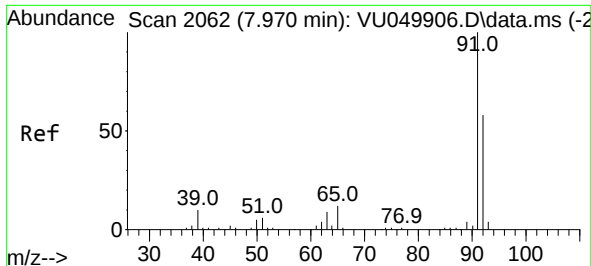
Ion Ratio Lower Upper

43 100

58 38.7 31.0 46.4

100 13.2 10.4 15.6





#42

Toluene

Concen: 4.897 ug/L

RT: 7.967 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

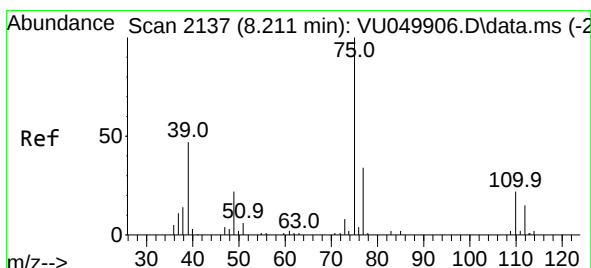
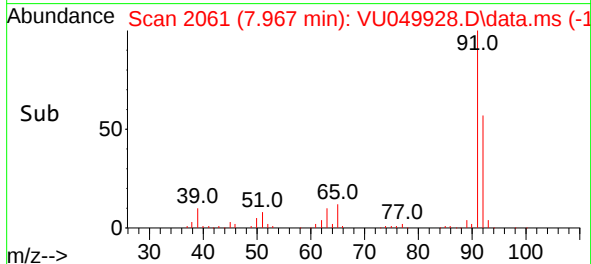
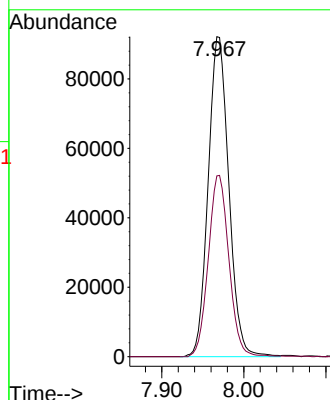
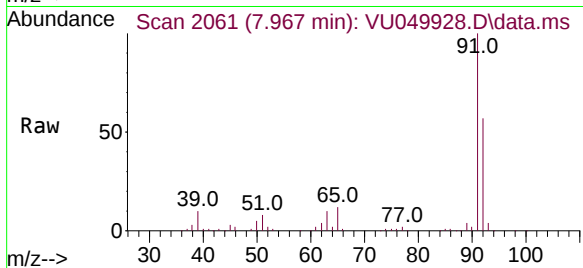
VSTD005132

Tgt Ion: 91 Resp: 160865

Ion Ratio Lower Upper

91 100

92 56.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.202 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU049928.D

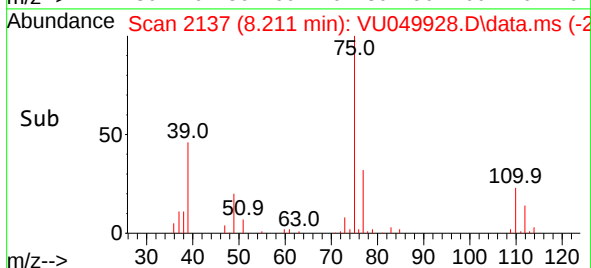
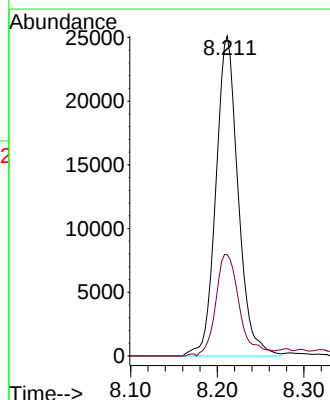
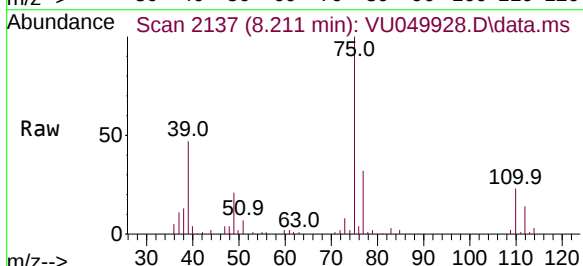
Acq: 26 Jul 2022 21:40

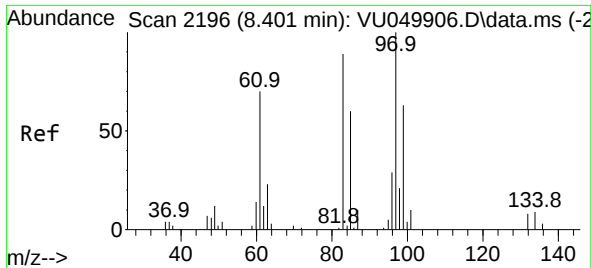
Tgt Ion: 75 Resp: 44748

Ion Ratio Lower Upper

75 100

77 31.6 21.2 39.4

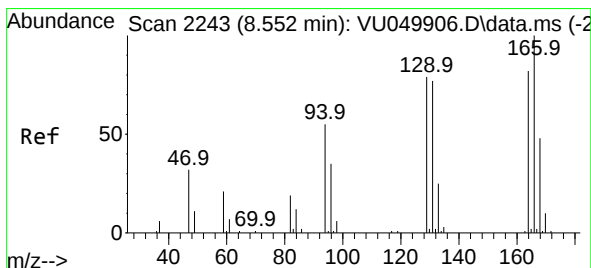
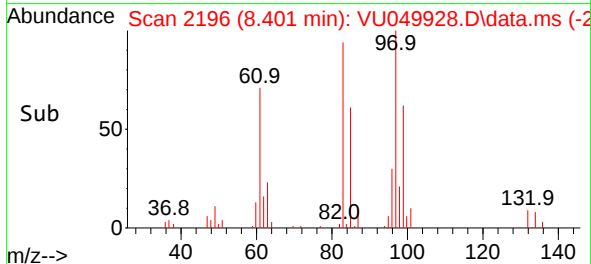
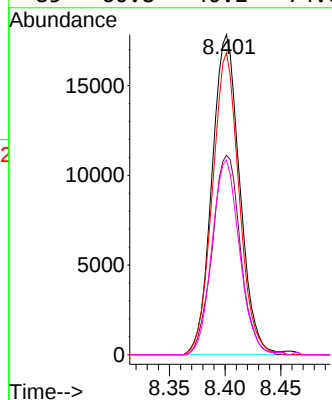
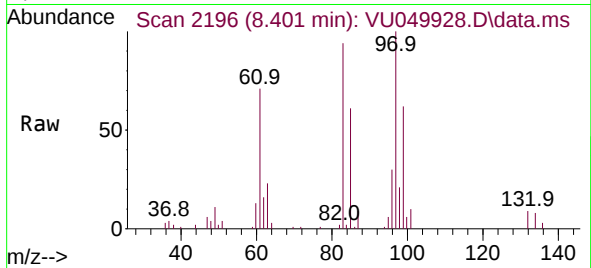




#45
1,1,2-Trichloroethane
Concen: 4.623 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

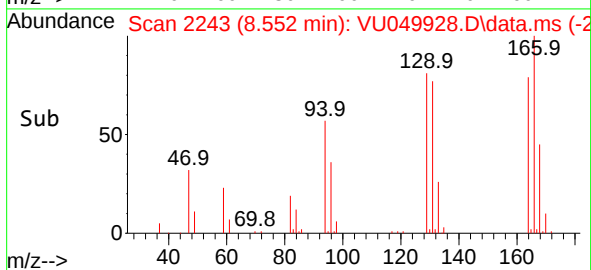
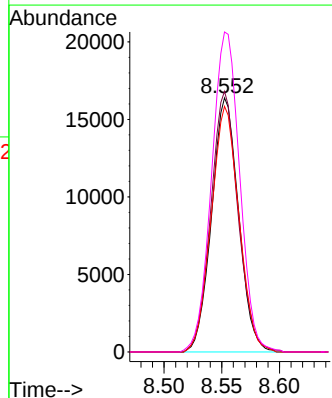
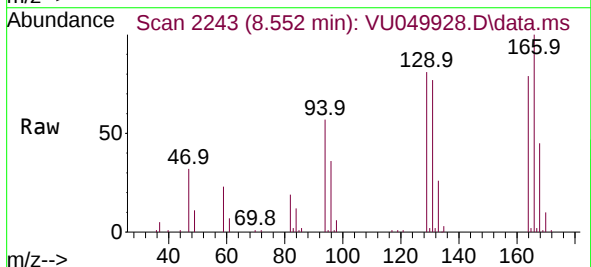
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

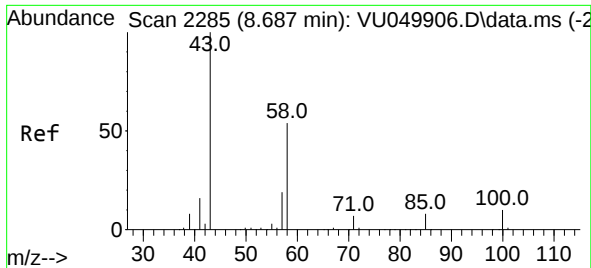
Tgt Ion:	97	Resp:	30886
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.8	81.3
83	94.3	62.4	115.8
85	60.8	40.2	74.6



#47
Tetrachloroethene
Concen: 4.851 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion:	164	Resp:	26591
Ion	Ratio	Lower	Upper
164	100		
129	102.6	68.9	127.9
131	96.7	67.5	125.4
166	125.9	89.2	165.8



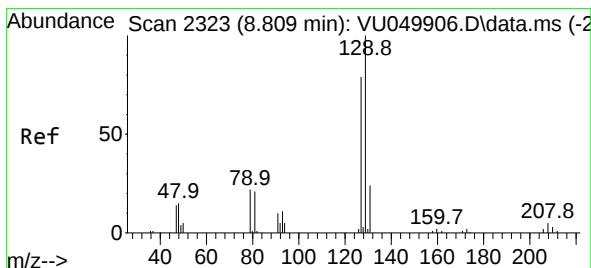
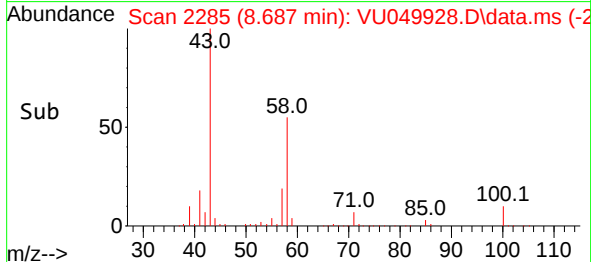
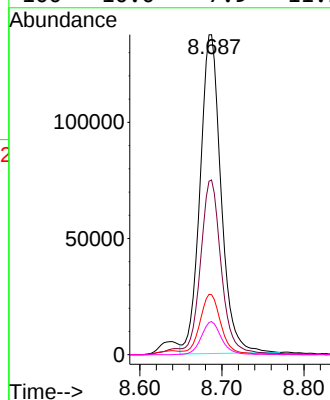
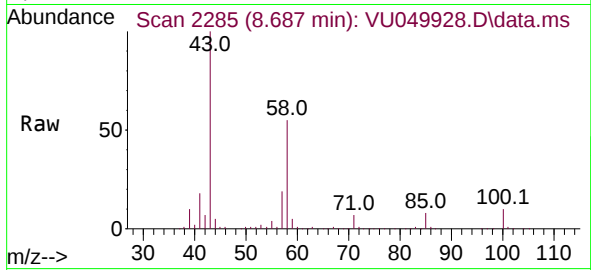


#48
2-Hexanone
Concen: 50.158 ug/L
RT: 8.687 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Tgt Ion: 43 Resp: 244430

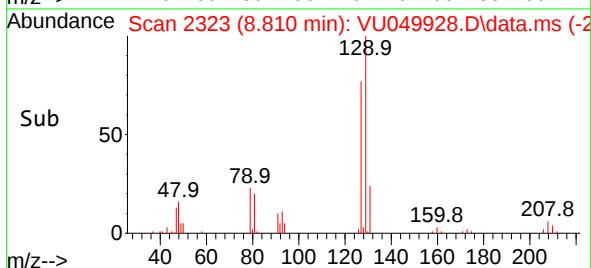
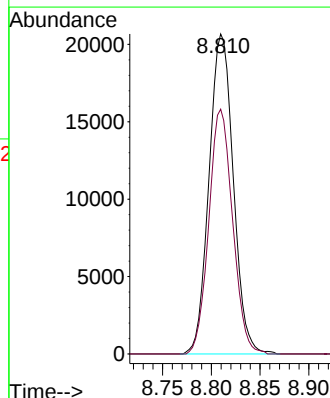
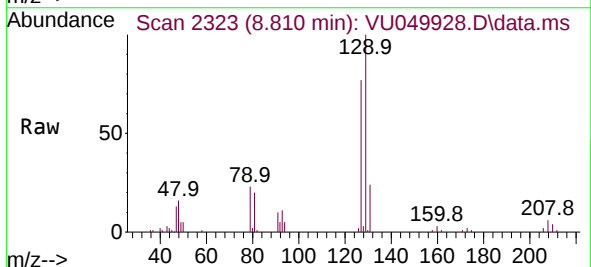
Ion	Ratio	Lower	Upper
43	100		
58	56.2	42.1	63.1
57	18.9	14.3	21.5
100	10.0	7.9	11.9

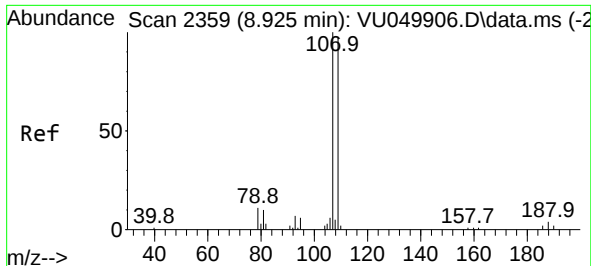


#49
Dibromochloromethane
Concen: 4.793 ug/L
RT: 8.810 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 129 Resp: 35792

Ion	Ratio	Lower	Upper
129	100		
127	76.5	50.5	93.7

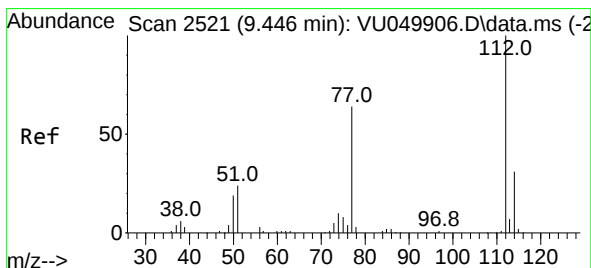
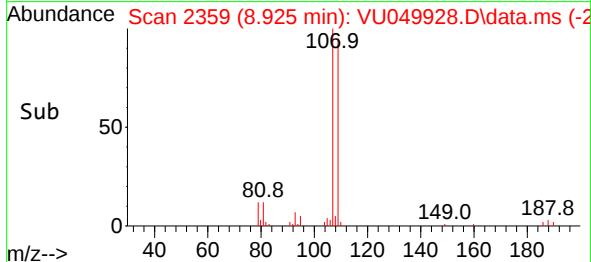
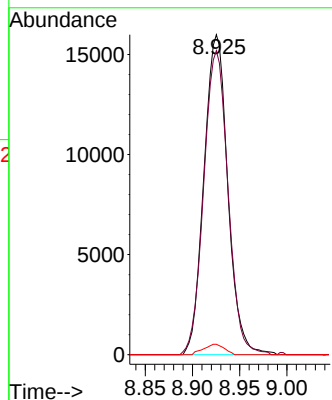
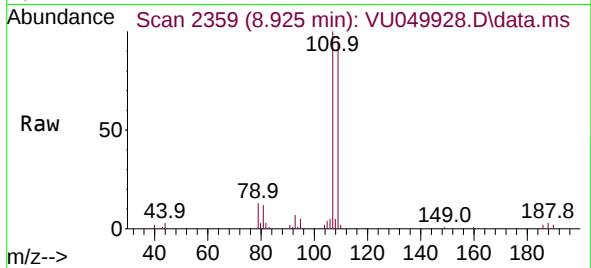




#50
1,2-Dibromoethane
Concen: 4.730 ug/L
RT: 8.925 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

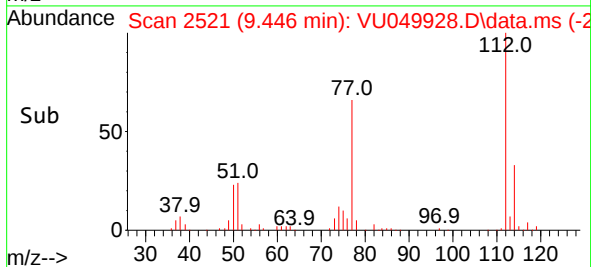
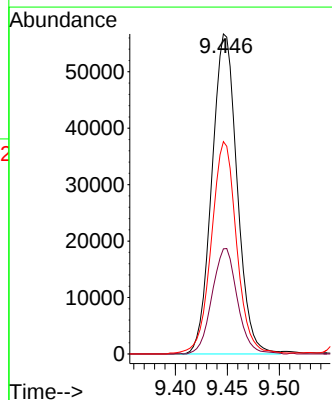
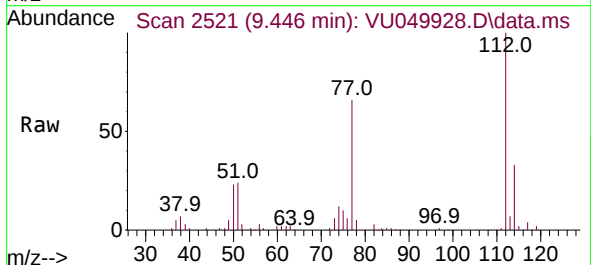
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

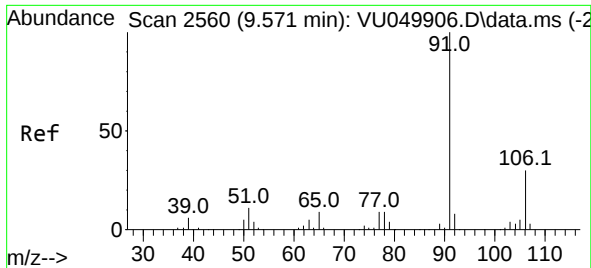
Tgt Ion:107 Resp: 28060
Ion Ratio Lower Upper
107 100
109 95.0 65.6 121.8
188 3.2 2.8 4.2



#51
Chlorobenzene
Concen: 4.604 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion:112 Resp: 96009
Ion Ratio Lower Upper
112 100
114 32.8 22.4 41.6
77 66.4 51.2 76.8

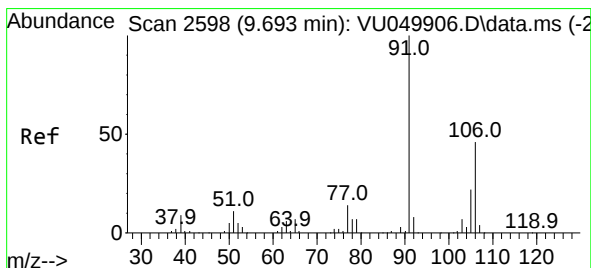
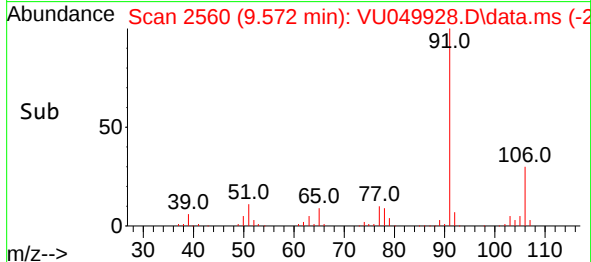
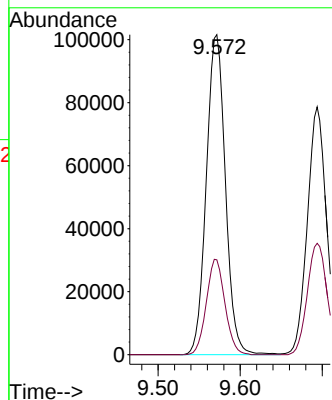
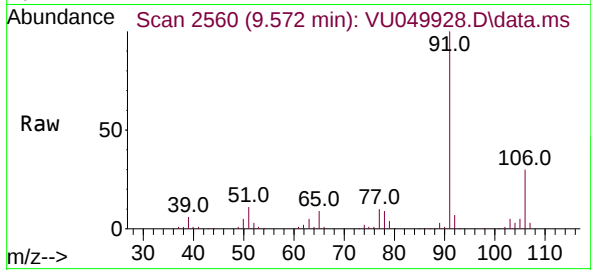




#52
Ethylbenzene
Concen: 4.862 ug/L
RT: 9.572 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

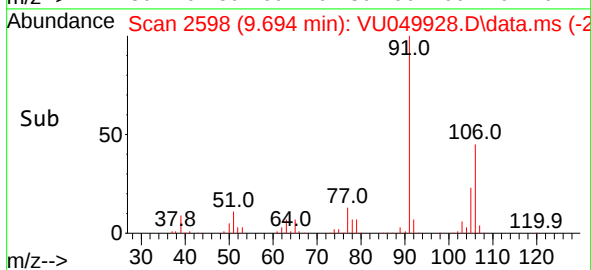
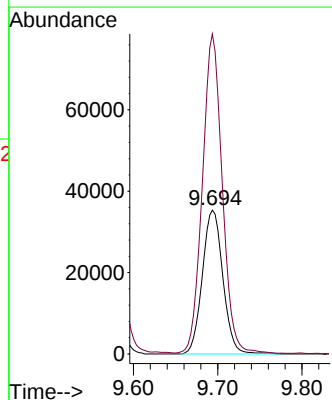
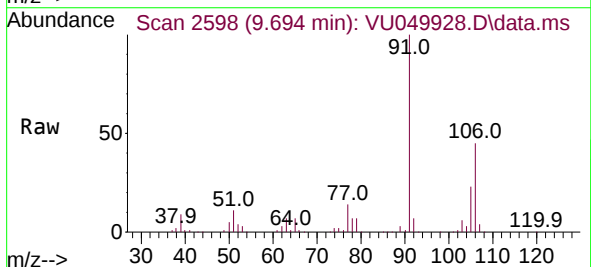
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

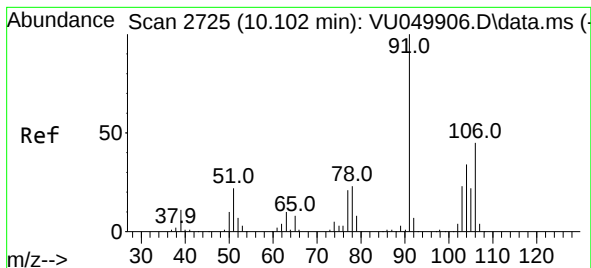
Tgt Ion: 91 Resp: 164222
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.4



#53
m,p-Xylene
Concen: 4.826 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 106 Resp: 59966
Ion Ratio Lower Upper
106 100
91 222.4 149.7 277.9





#54

o-Xylene

Concen: 4.800 ug/L

RT: 10.099 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

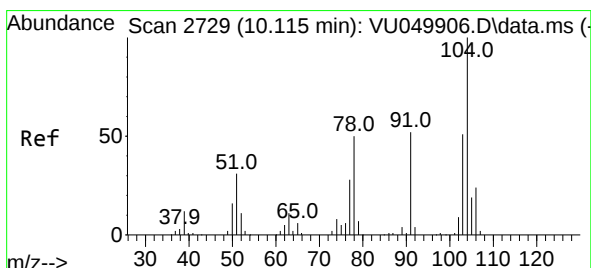
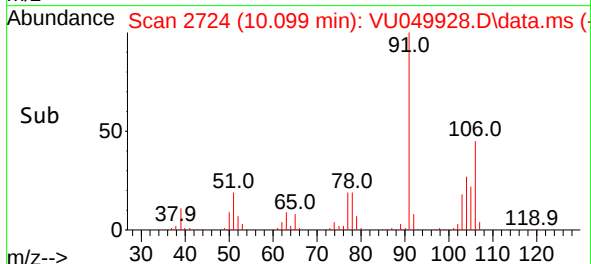
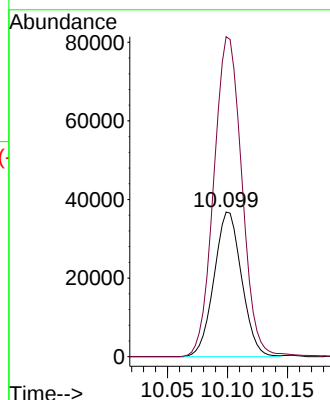
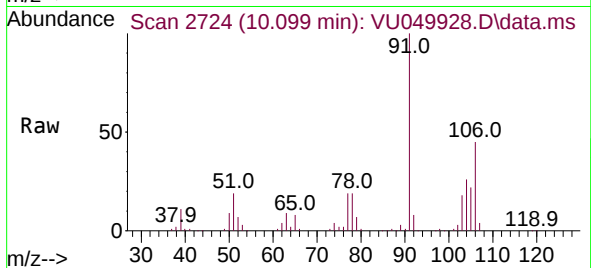
VSTD005132

Tgt Ion:106 Resp: 58932

Ion Ratio Lower Upper

106 100

91 221.2 159.4 296.0



#55

Styrene

Concen: 4.836 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049928.D

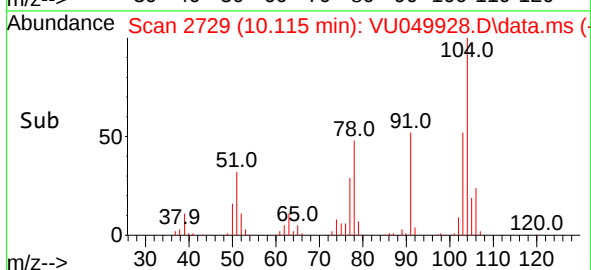
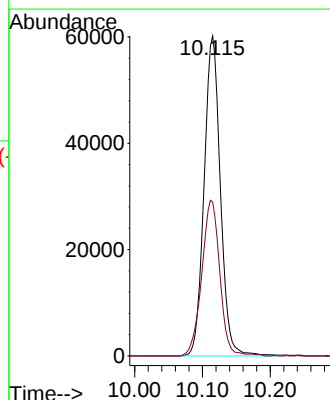
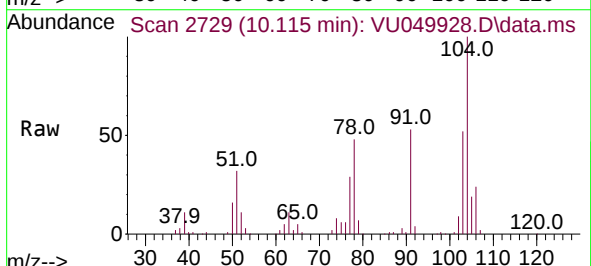
Acq: 26 Jul 2022 21:40

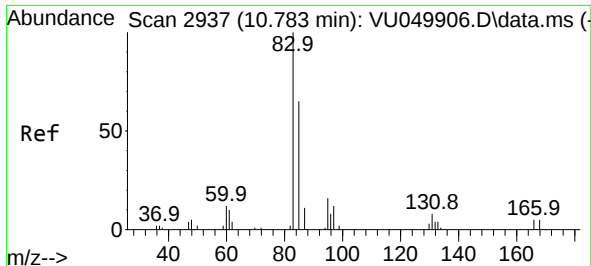
Tgt Ion:104 Resp: 100569

Ion Ratio Lower Upper

104 100

78 48.1 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.946 ug/L

RT: 10.781 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

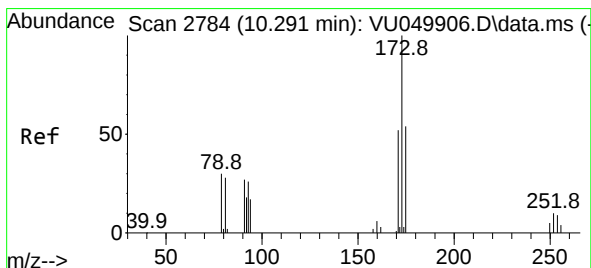
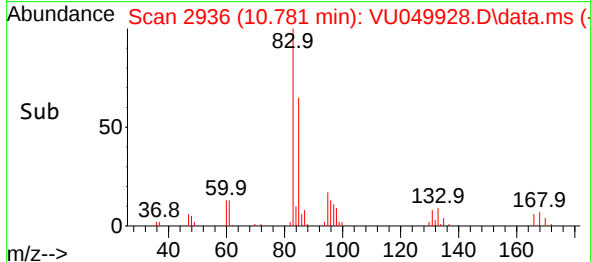
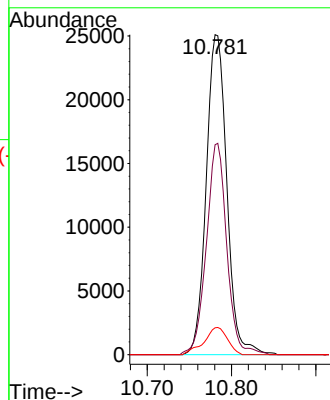
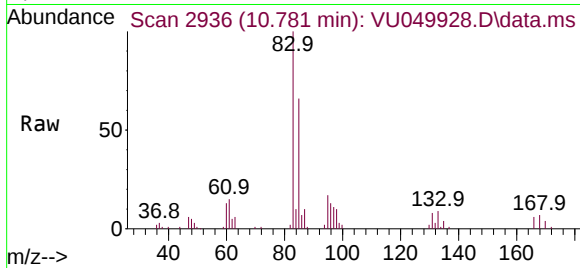
Tgt Ion: 83 Resp: 42679

Ion Ratio Lower Upper

83 100

85 65.6 47.9 89.1

131 8.4 7.3 10.9



#59

Bromoform

Concen: 4.873 ug/L

RT: 10.292 min Scan# 2784

Delta R.T. 0.000 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

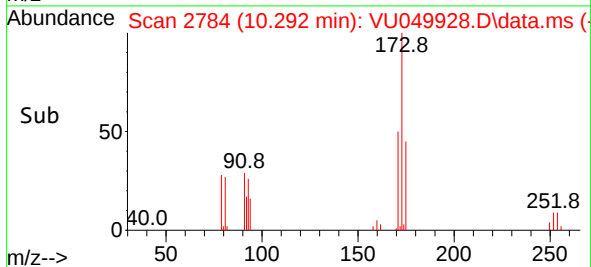
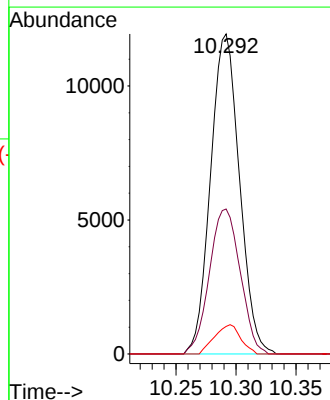
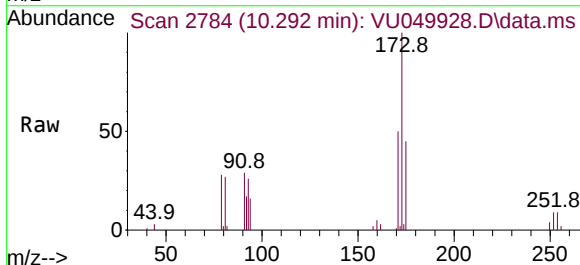
Tgt Ion:173 Resp: 19996

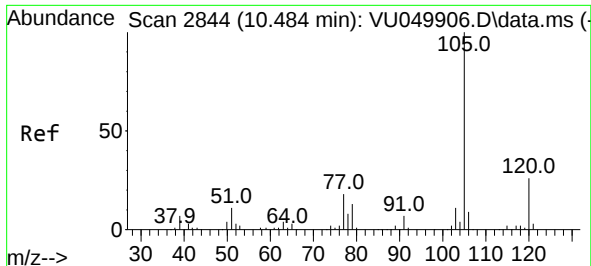
Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

254 8.2 7.5 11.3

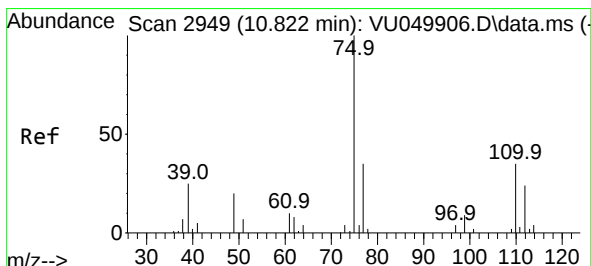
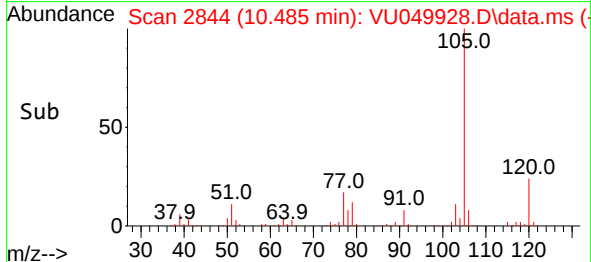
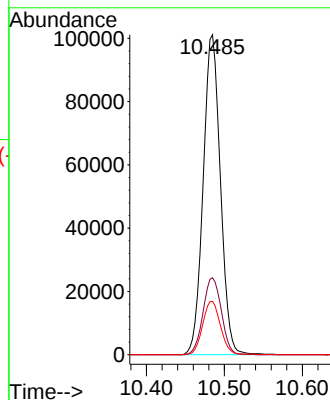
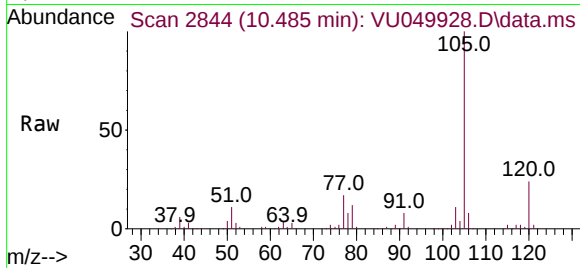




#60
Isopropylbenzene
Concen: 4.988 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

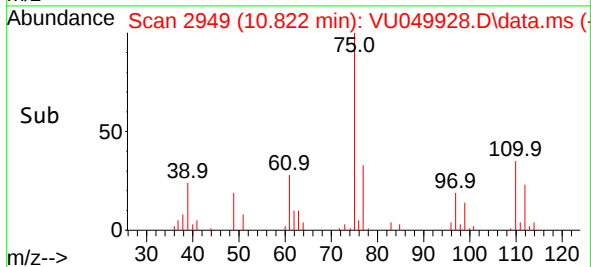
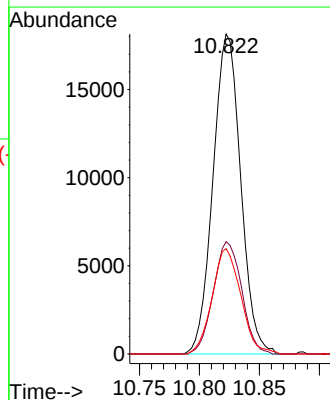
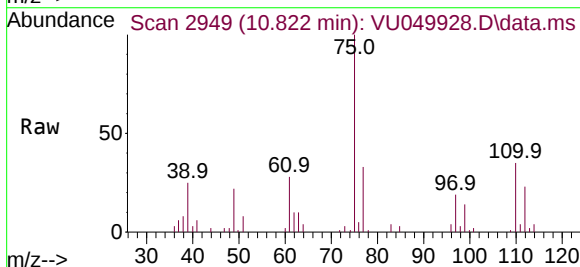
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

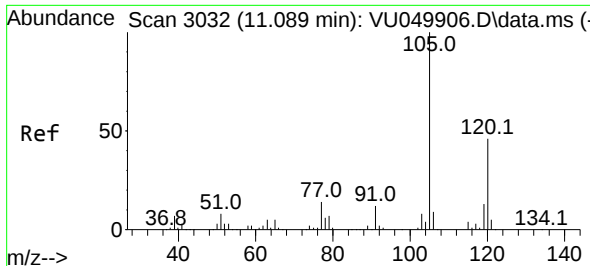
Tgt Ion:105 Resp: 155580
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6
77 17.2 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 4.631 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion: 75 Resp: 29089
Ion Ratio Lower Upper
75 100
110 35.9 28.0 42.0
77 34.1 25.4 38.2

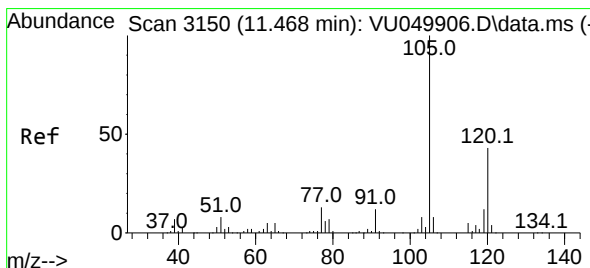
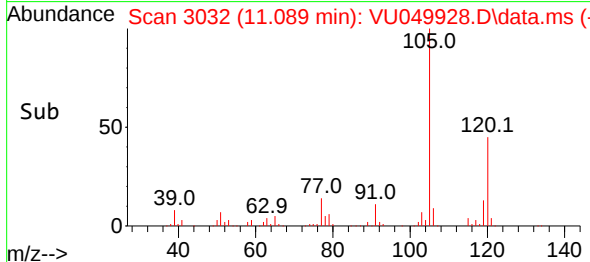
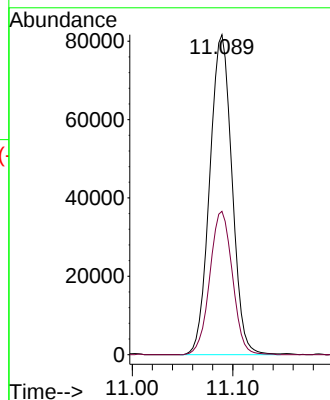
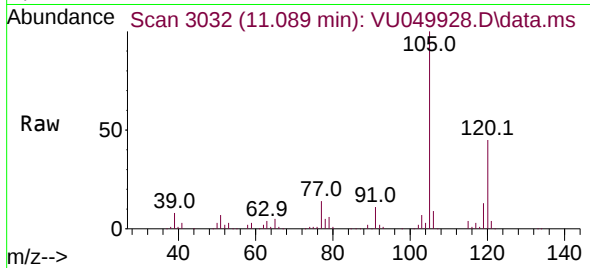




#62
 1,3,5-Trimethylbenzene
 Concen: 4.764 ug/L
 RT: 11.089 min Scan# 3032
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

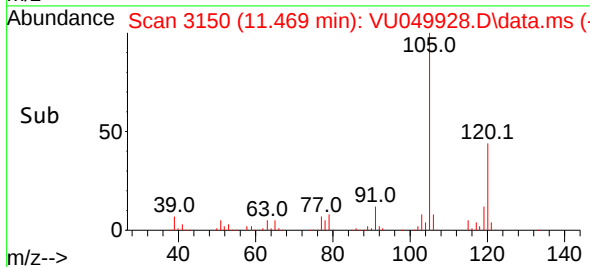
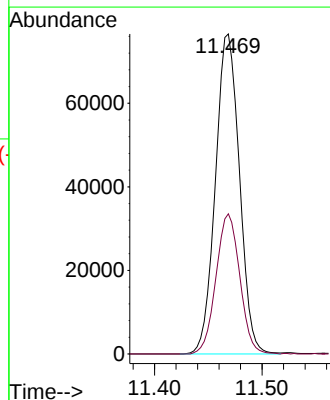
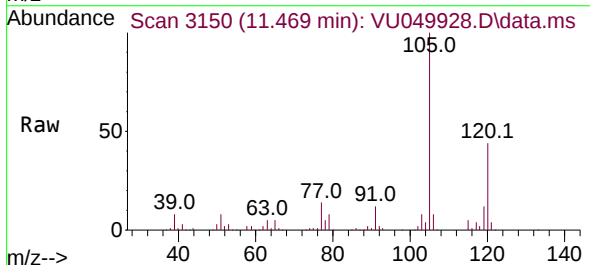
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

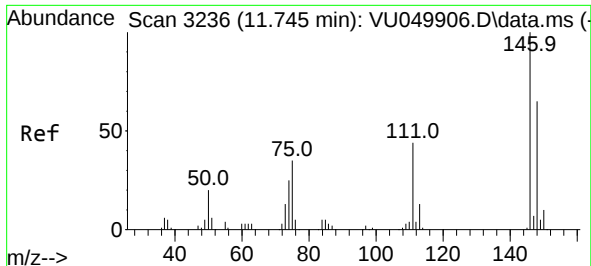
Tgt Ion:105 Resp: 125551
 Ion Ratio Lower Upper
 105 100
 120 45.4 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.646 ug/L
 RT: 11.469 min Scan# 3150
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

Tgt Ion:105 Resp: 118835
 Ion Ratio Lower Upper
 105 100
 120 43.3 34.2 51.4

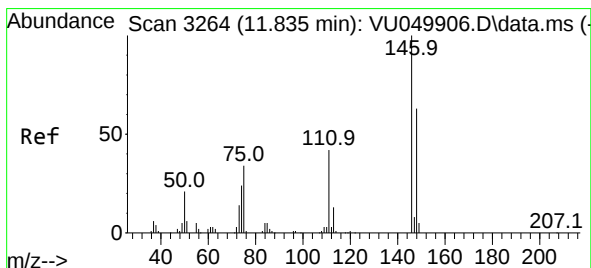
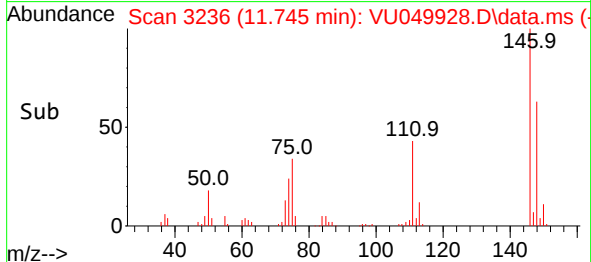
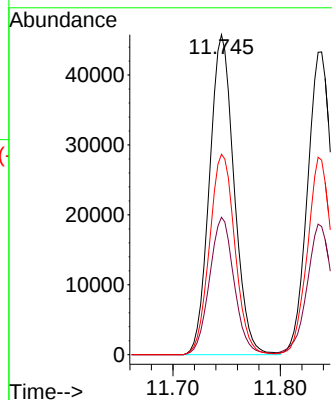
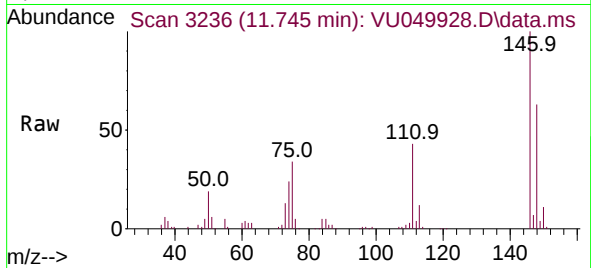




#64
1,3-Dichlorobenzene
Concen: 4.723 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

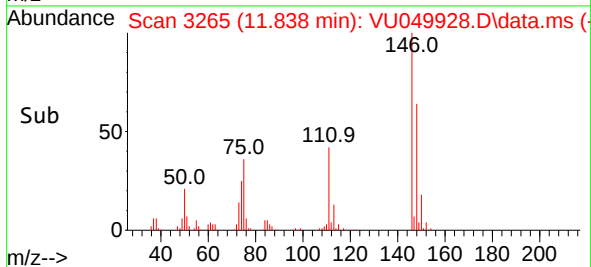
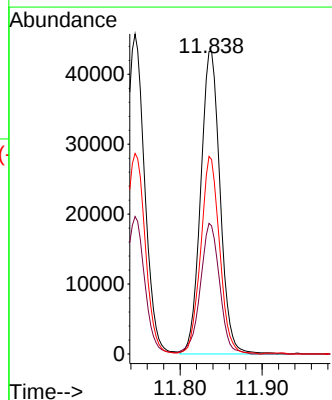
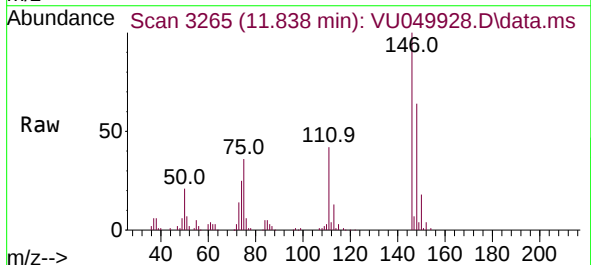
Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

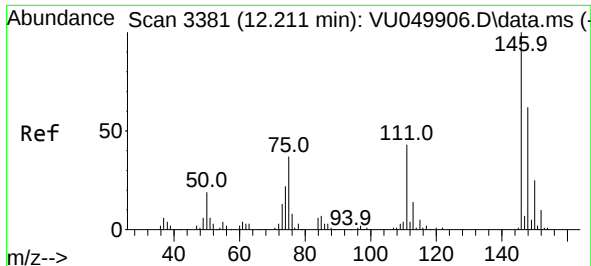
Tgt Ion:146 Resp: 72832
Ion Ratio Lower Upper
146 100
111 43.0 30.0 55.8
148 62.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.673 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.003 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion:146 Resp: 71298
Ion Ratio Lower Upper
146 100
111 42.3 29.5 54.7
148 64.2 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.752 ug/L

RT: 12.215 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD005132

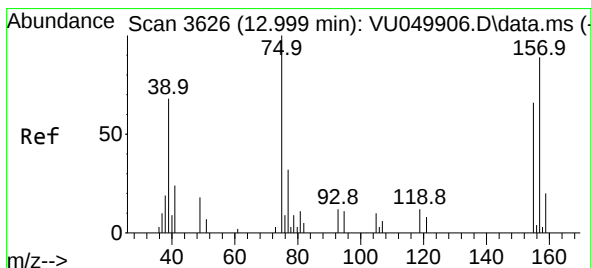
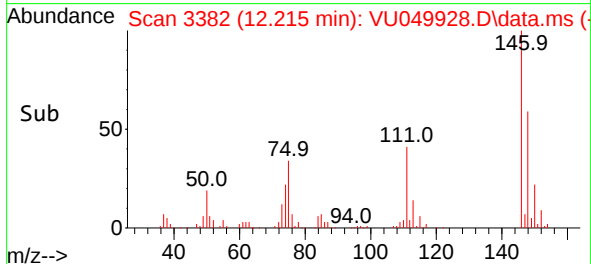
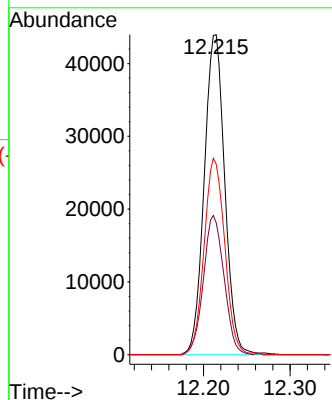
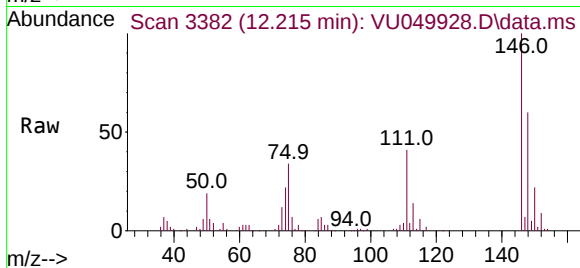
Tgt Ion:146 Resp: 72394

Ion Ratio Lower Upper

146 100

111 41.2 35.8 53.8

148 59.6 50.3 75.5



#68

1,2-Dibromo-3-chloropropane

Concen: 4.840 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.003 min

Lab File: VU049928.D

Acq: 26 Jul 2022 21:40

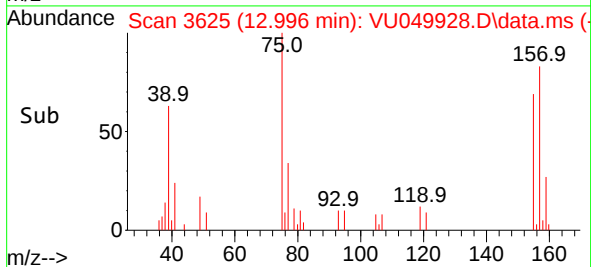
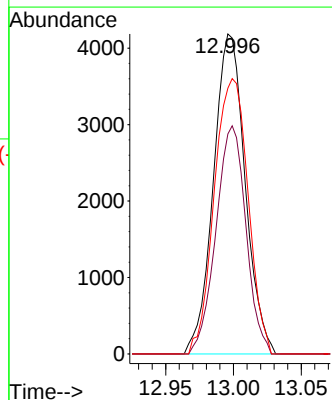
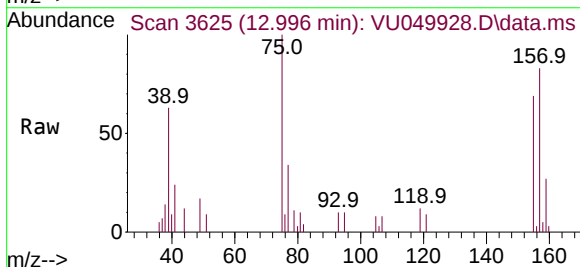
Tgt Ion: 75 Resp: 6801

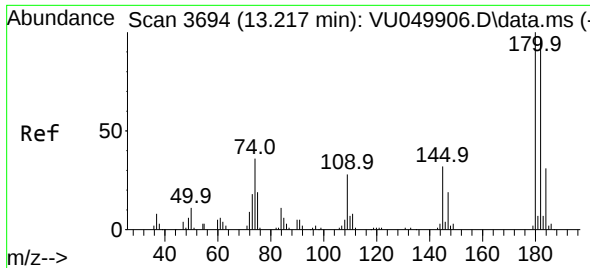
Ion Ratio Lower Upper

75 100

155 68.8 60.4 90.6

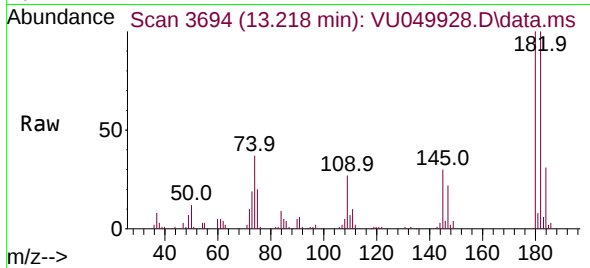
157 83.0 70.0 105.0



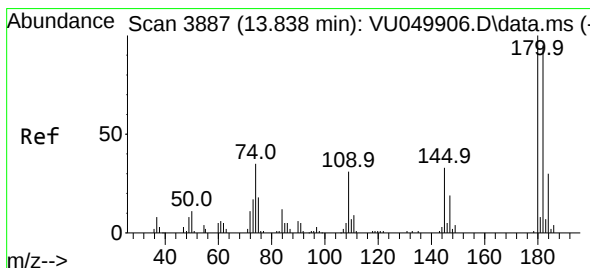
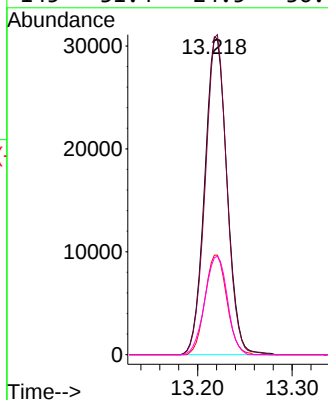
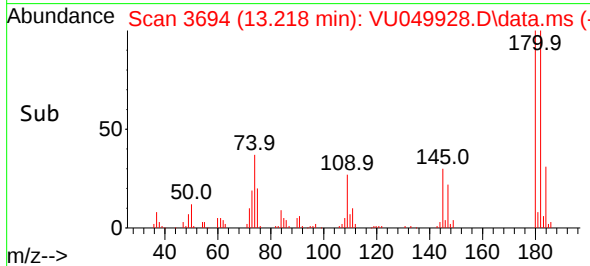


#69
 1,3,5-Trichlorobenzene
 Concen: 4.436 ug/L
 RT: 13.218 min Scan# 3694
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40

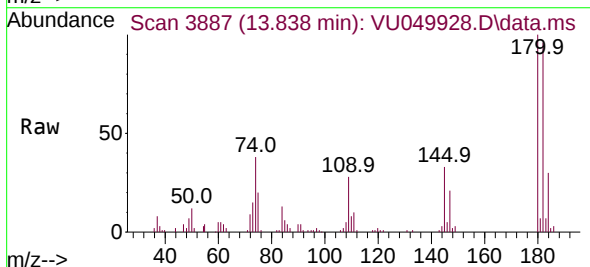
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132



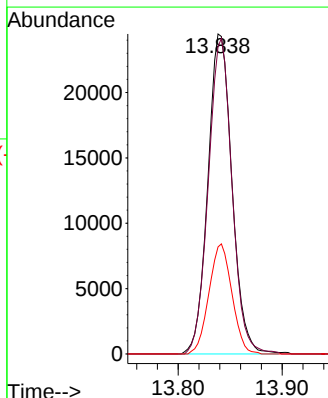
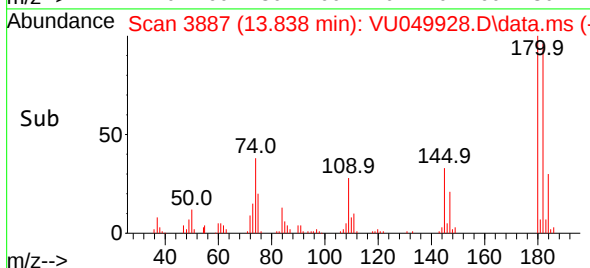
Tgt Ion:180 Resp: 50499
 Ion Ratio Lower Upper
 180 100
 182 97.6 77.2 115.8
 184 30.9 25.3 37.9
 145 31.4 24.5 36.7

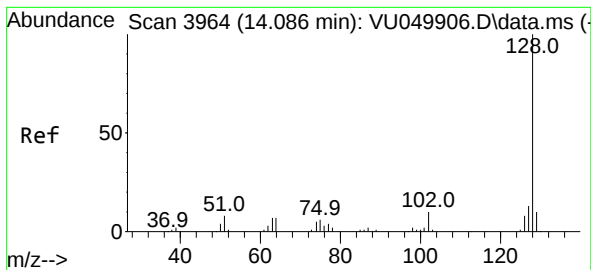


#70
 1,2,4-trichlorobenzene
 Concen: 4.123 ug/L
 RT: 13.838 min Scan# 3887
 Delta R.T. 0.000 min
 Lab File: VU049928.D
 Acq: 26 Jul 2022 21:40



Tgt Ion:180 Resp: 39413
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.0 115.4
 145 32.7 26.1 39.1

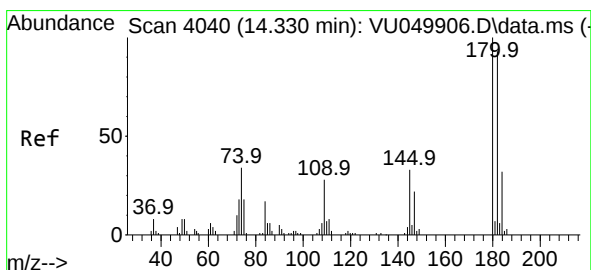
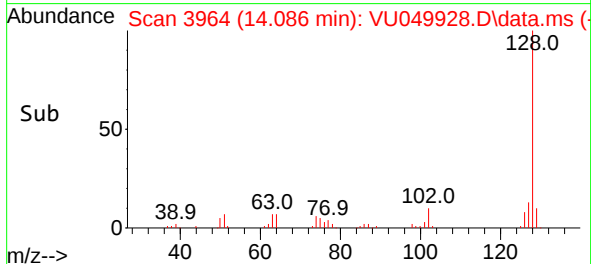
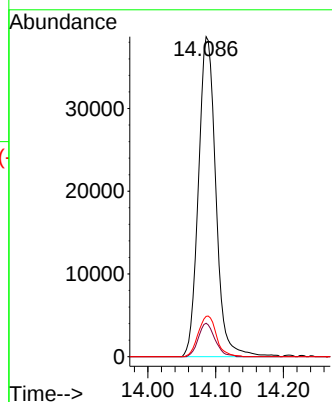
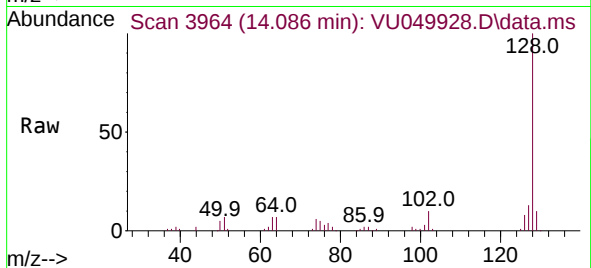




#71
Naphthalene
Concen: 3.705 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD005132

Tgt Ion:128 Resp: 69058
Ion Ratio Lower Upper
128 100
129 10.0 8.2 12.4
127 13.3 11.1 16.7



#72
1,2,3-Trichlorobenzene
Concen: 4.250 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049928.D
Acq: 26 Jul 2022 21:40

Tgt Ion:180 Resp: 39049
Ion Ratio Lower Upper
180 100
182 96.0 73.9 110.9
145 34.8 27.8 41.6

