

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
 Data File : VU049329.D
 Acq On : 21 Jun 2022 15:54
 Operator : SY/MD
 Sample : N3425-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ2

Quant Time: Jun 22 01:49:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 01:47:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	137236	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	126979	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	68161	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39672	3.308	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.200%
7) Chloroethane-d5	1.912	69	32831	4.044	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.568	65	15438	3.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.629	46	171652	53.611	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.220%
24) Chloroform-d	5.063	84	80228	4.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.703	65	49782	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.729	84	150338	3.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.690	67	53931	4.154	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.899	98	129621	3.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	8.179	79	20048	3.476	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.600%
46) 2-Hexanone-d5	8.632	63	118283	50.837	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.680%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	50357	4.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	57612	4.405	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.584	50	117041	9.100	ug/L #	79
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	484	0.061	ug/L #	21
12) 1,1-Dichloroethene	2.578	96	5177	0.671	ug/L #	1
13) Acetone	2.642	43	28582	18.037	ug/L	99
14) Carbon disulfide	2.793	76	10058	0.395	ug/L	95
15) Methyl Acetate	2.964	43	49180	11.604	ug/L #	54
16) Methylene chloride	2.977	84	14899	1.468	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	11444	0.490	ug/L #	1
18) trans-1,2-Dichloroethene	3.356	96	5522	0.646	ug/L	92
19) 1,1-Dichloroethane	3.870	63	9682	0.574	ug/L	98
22) cis-1,2-Dichloroethene	4.668	96	325513	34.043	ug/L	97
25) Chloroform	5.089	83	22442	1.326	ug/L	89
27) 1,2-Dichloroethane	5.774	62	22496	2.018	ug/L #	80
30) Cyclohexane	5.388	56	73021	4.234	ug/L	98
33) Benzene	5.774	78	2442992	64.657	ug/L	100
34) Trichloroethene	6.542	95	408265	42.271	ug/L	99
35) Methylcyclohexane	6.764	83	82199	5.075	ug/L	92
37) 1,2-Dichloropropane	6.790	63	20136	1.940	ug/L #	98
38) Bromodichloromethane	7.108	83	20118	1.585	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
 Data File : VU049329.D
 Acq On : 21 Jun 2022 15:54
 Operator : SY/MD
 Sample : N3425-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ2

Quant Time: Jun 22 01:49:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 01:47:02 2022
 Response via : Initial Calibration

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

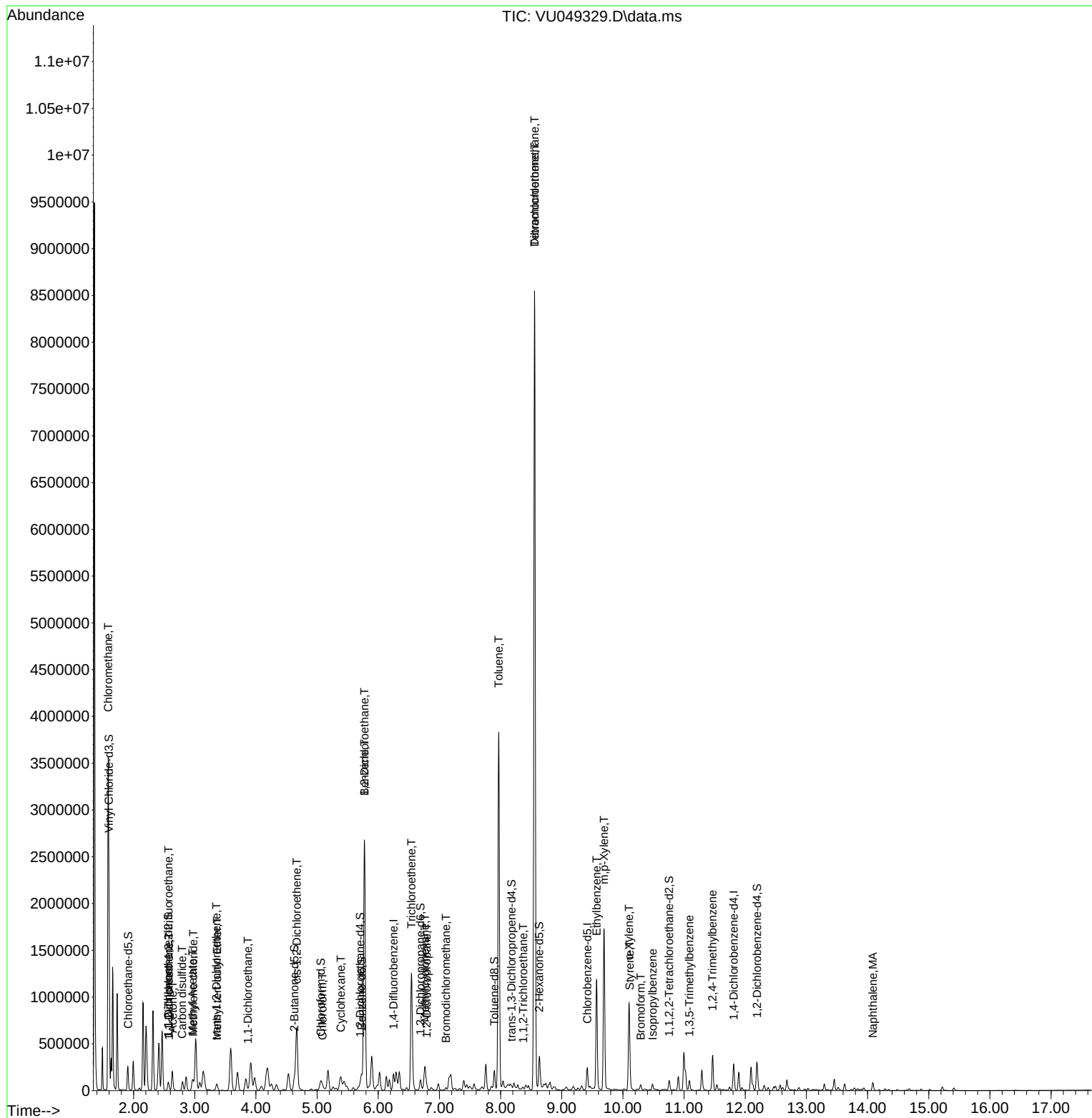
42) Toluene	7.970	91	2660490	66.401	ug/L	99
45) 1,1,2-Trichloroethane	8.369	97	9277	1.282	ug/L #	18
47) Tetrachloroethene	8.555	164	1752350	263.112	ug/L	97
49) Dibromochloromethane	8.555	129	1806410	218.769	ug/L #	10
52) Ethylbenzene	9.571	91	826190	18.880	ug/L	100
53) m,p-Xylene	9.690	106	451371	27.756	ug/L	96
54) o-Xylene	10.098	106	213667	13.252	ug/L	99
55) Styrene	10.111	104	92066	3.409	ug/L #	78
59) Bromoform	10.291	173	20609	4.025	ug/L	99
60) Isopropylbenzene	10.484	105	37972	0.818	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	55464	1.353	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	208563	5.137	ug/L	100
71) Naphthalene	14.085	128	66760	2.836	ug/L	99

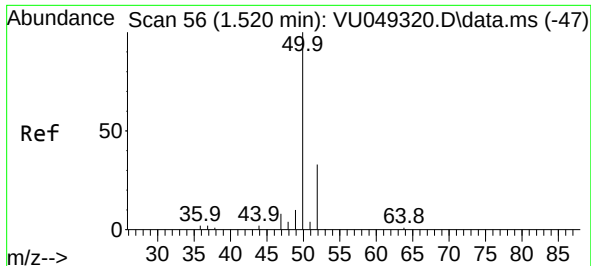
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
Data File : VU049329.D
Acq On : 21 Jun 2022 15:54
Operator : SY/MD
Sample : N3425-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

Quant Time: Jun 22 01:49:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jun 22 01:47:02 2022
Response via : Initial Calibration

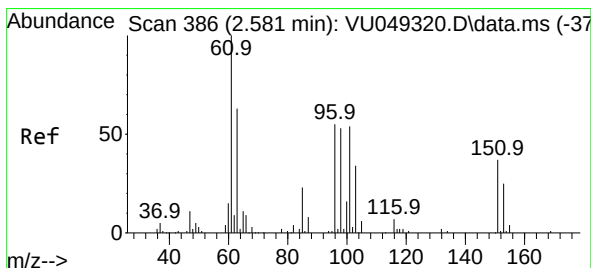
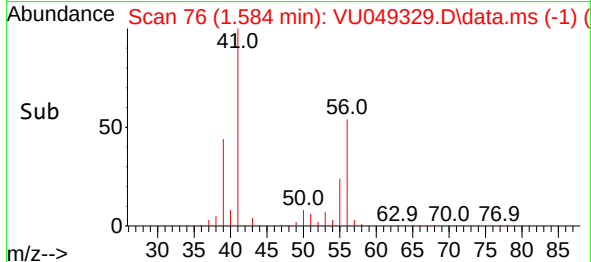
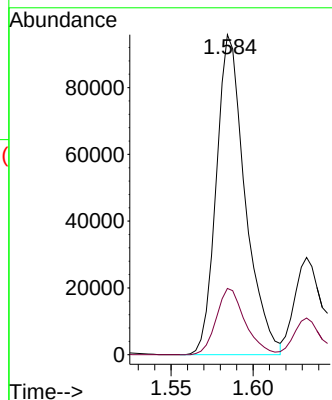
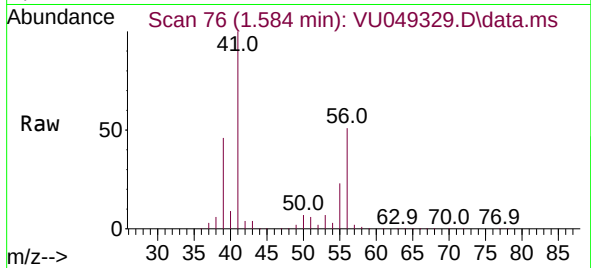




#3
Chloromethane
Concen: 9.100 ug/L
RT: 1.584 min Scan# 7
Delta R.T. 0.064 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

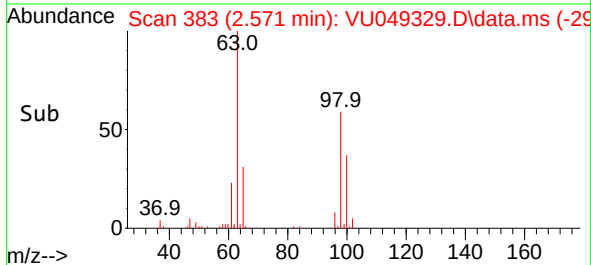
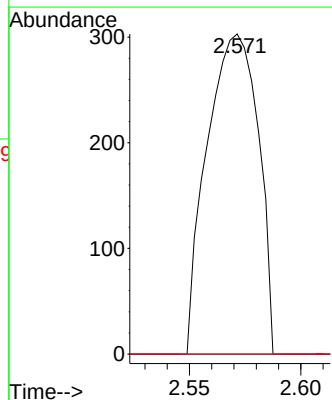
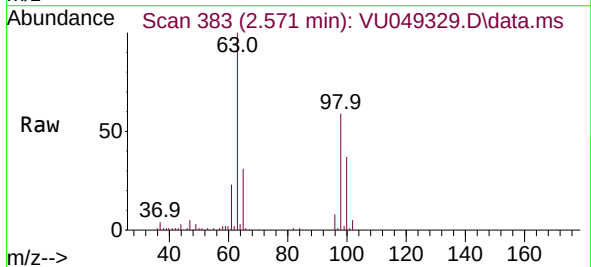
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

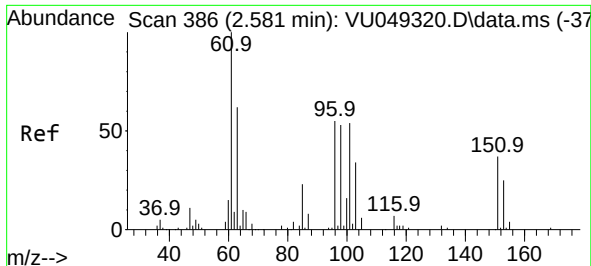
Tgt Ion: 50 Resp: 117041
Ion Ratio Lower Upper
50 100
52 20.7 22.7 42.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.061 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 101 Resp: 484
Ion Ratio Lower Upper
101 100
85 0.0 36.1 54.1#
151 0.0 56.8 85.2#





#12

1,1-Dichloroethene

Concen: 0.671 ug/L

RT: 2.578 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0AJ2

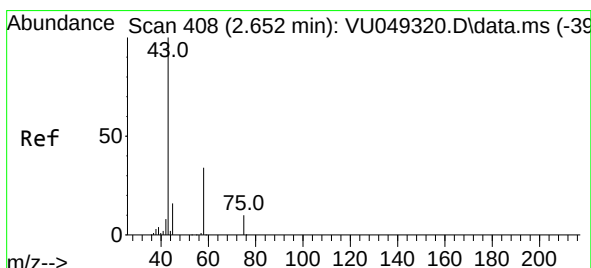
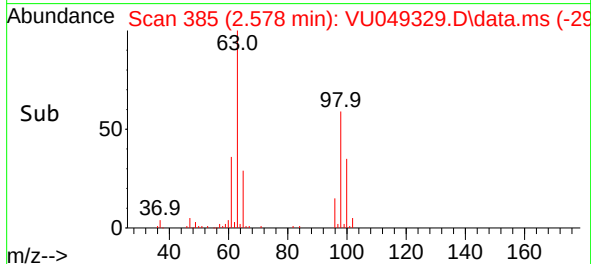
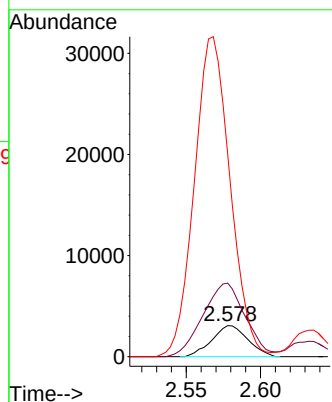
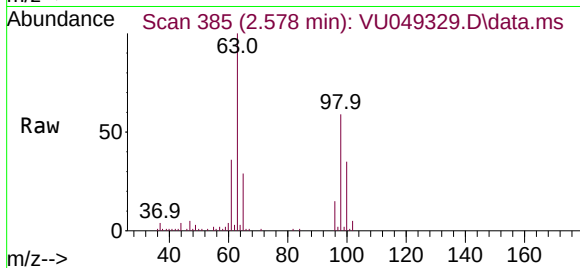
Tgt Ion: 96 Resp: 5177

Ion Ratio Lower Upper

96 100

61 237.4 127.2 236.2#

63 653.3 94.7 175.9#



#13

Acetone

Concen: 18.037 ug/L

RT: 2.642 min Scan# 405

Delta R.T. -0.010 min

Lab File: VU049329.D

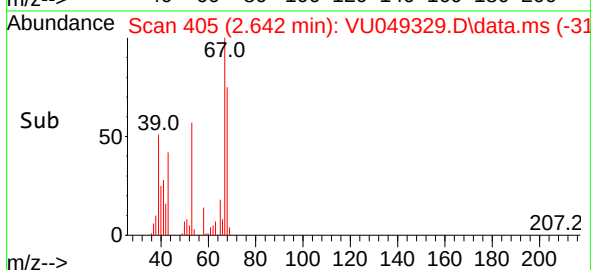
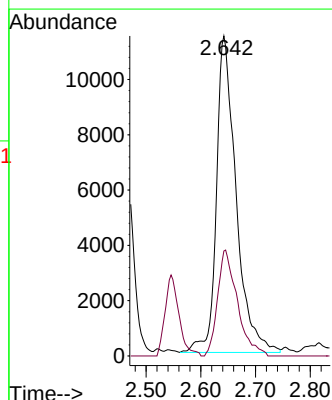
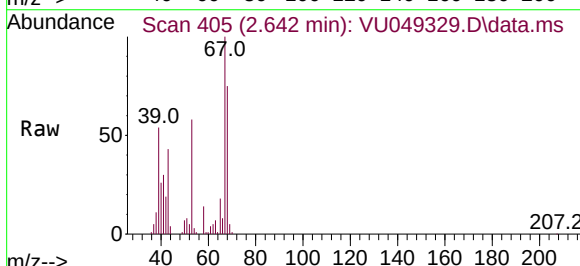
Acq: 21 Jun 2022 15:54

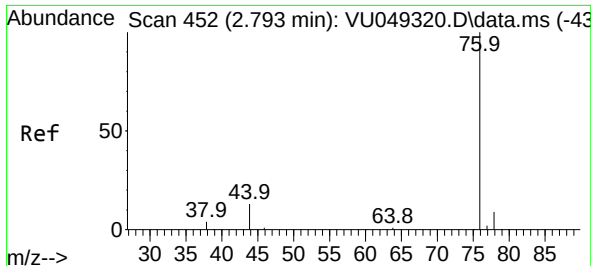
Tgt Ion: 43 Resp: 28582

Ion Ratio Lower Upper

43 100

58 33.7 0.0 65.8

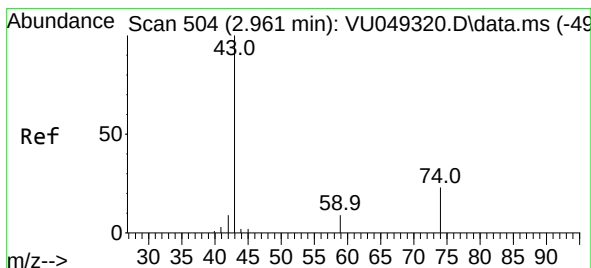
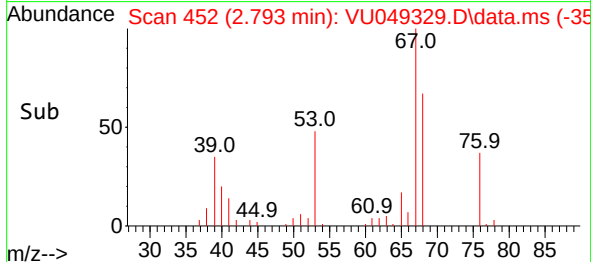
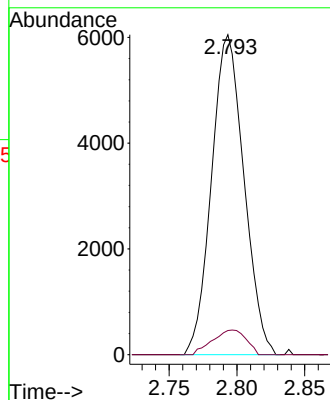
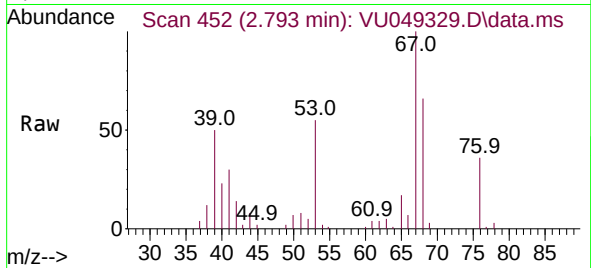




#14
Carbon disulfide
Concen: 0.395 ug/L
RT: 2.793 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

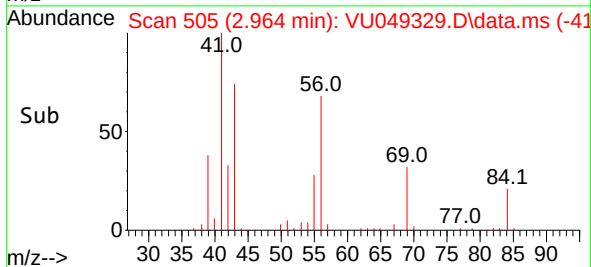
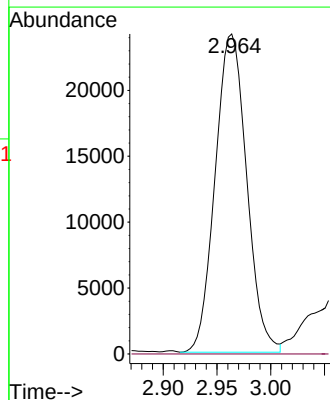
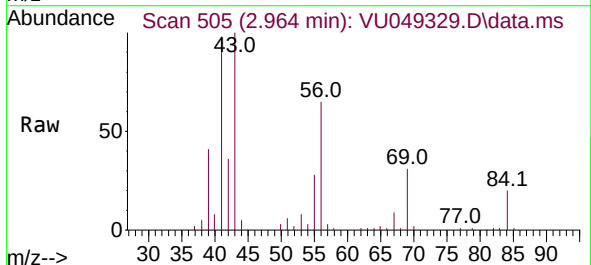
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

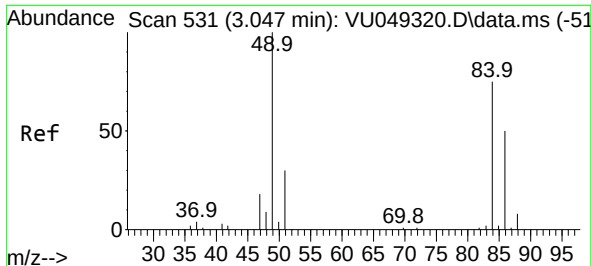
Tgt Ion: 76 Resp: 10058
Ion Ratio Lower Upper
76 100
78 7.6 7.5 11.3



#15
Methyl Acetate
Concen: 11.604 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 43 Resp: 49180
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

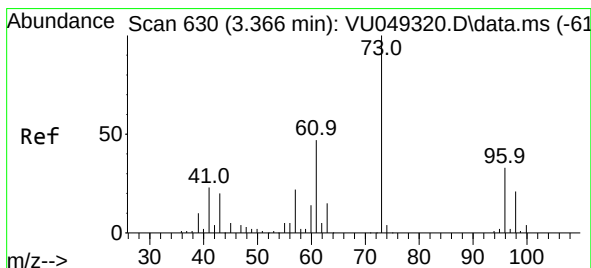
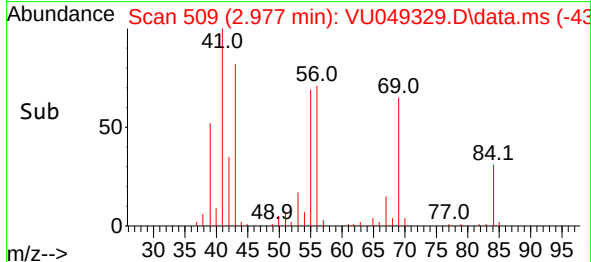
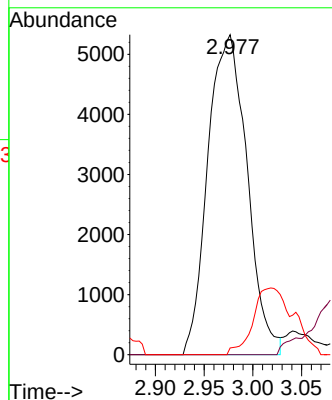
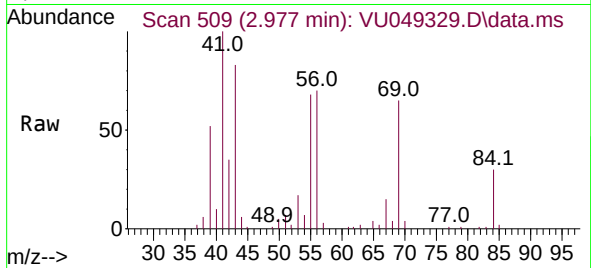




#16
Methylene chloride
Concen: 1.468 ug/L
RT: 2.977 min Scan# 509
Delta R.T. -0.071 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

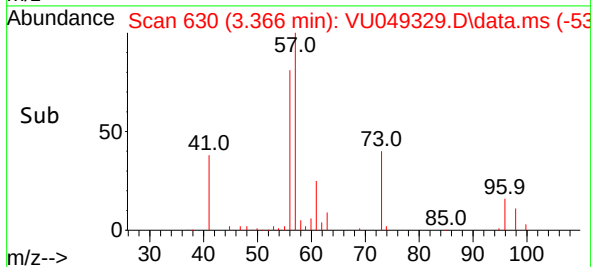
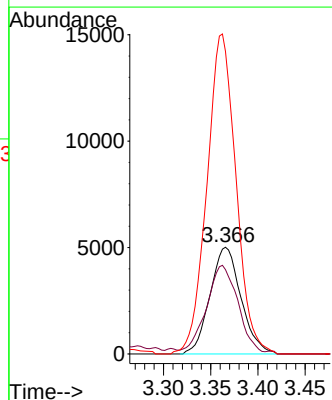
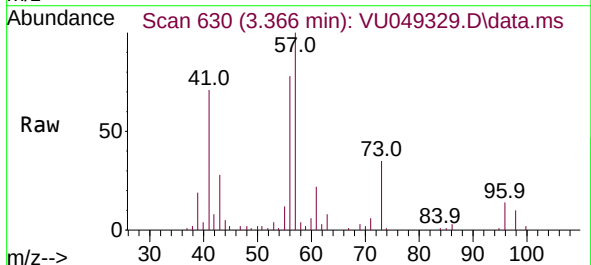
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

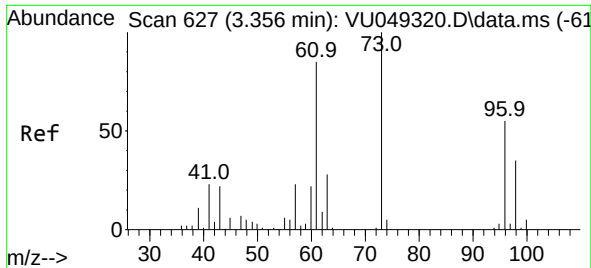
Tgt Ion: 84 Resp: 14899
Ion Ratio Lower Upper
84 100
86 0.0 43.6 81.0#
49 2.1 90.2 167.6#



#17
Methyl tert-butyl Ether
Concen: 0.490 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 73 Resp: 11444
Ion Ratio Lower Upper
73 100
43 80.0 16.5 24.7#
57 281.1 18.6 27.8#

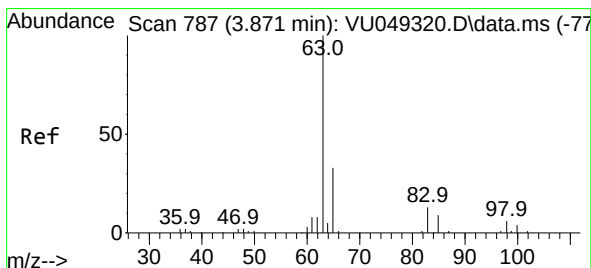
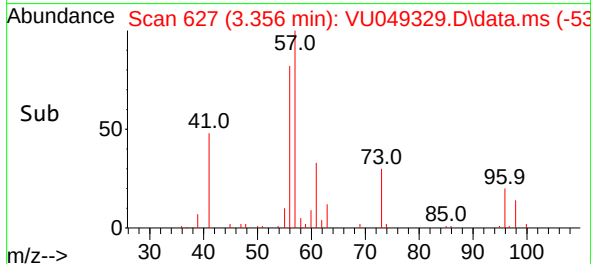
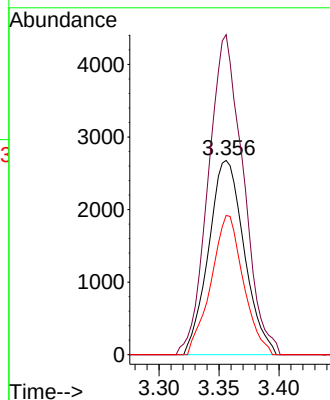
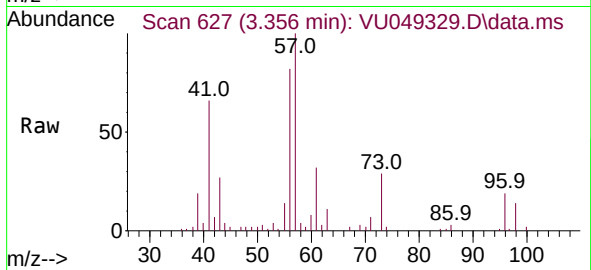




#18
trans-1,2-Dichloroethene
Concen: 0.646 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

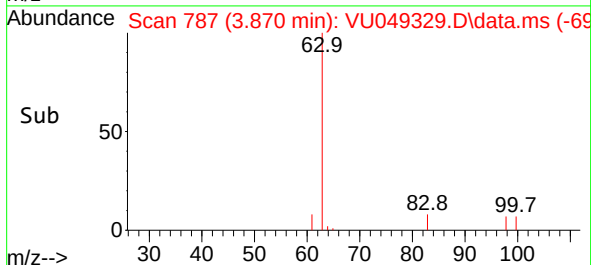
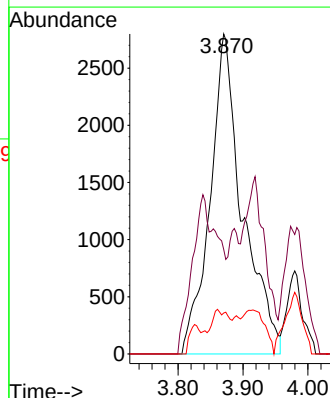
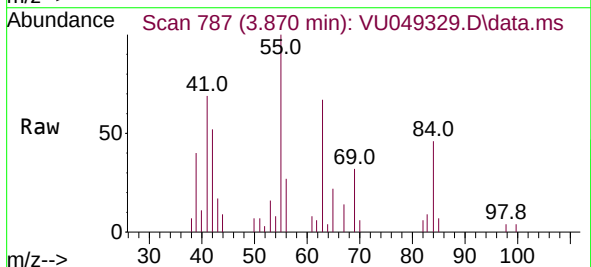
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

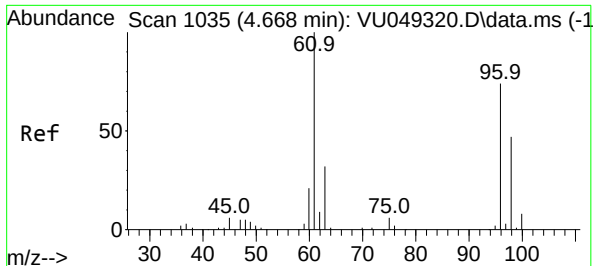
Tgt Ion: 96 Resp: 5522
Ion Ratio Lower Upper
96 100
61 158.3 103.3 191.9
98 68.9 44.0 81.8



#19
1,1-Dichloroethane
Concen: 0.574 ug/L
RT: 3.870 min Scan# 787
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 63 Resp: 9682
Ion Ratio Lower Upper
63 100
65 32.7 24.0 44.6
83 12.8 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 34.043 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0AJ2

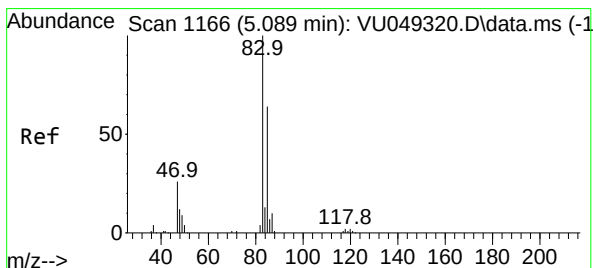
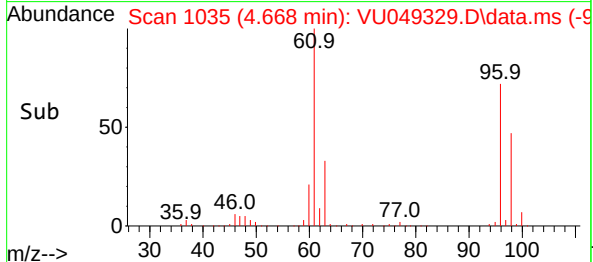
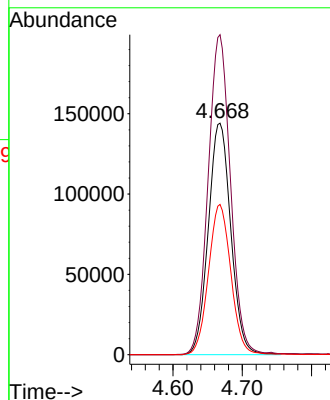
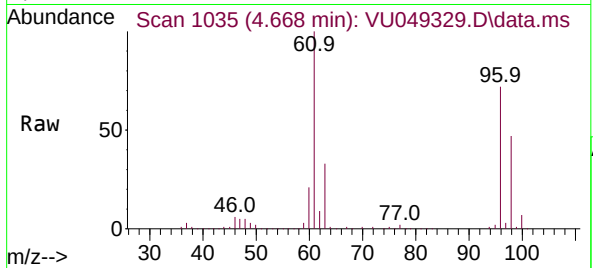
Tgt Ion: 96 Resp: 325513

Ion Ratio Lower Upper

96 100

61 138.2 99.5 184.9

98 64.9 44.8 83.2



#25

Chloroform

Concen: 1.326 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VU049329.D

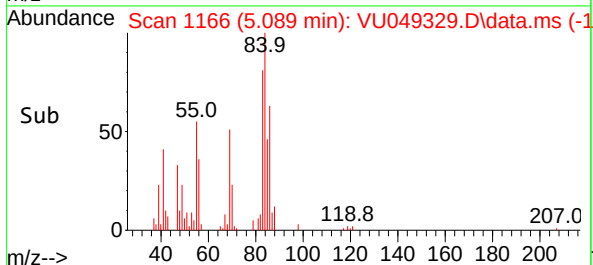
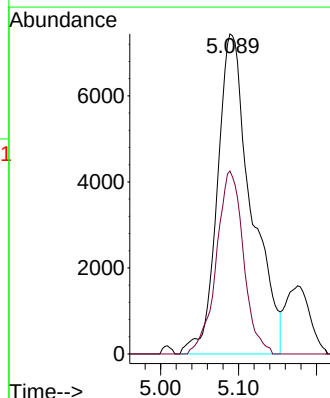
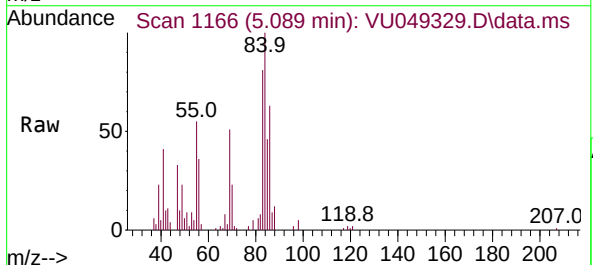
Acq: 21 Jun 2022 15:54

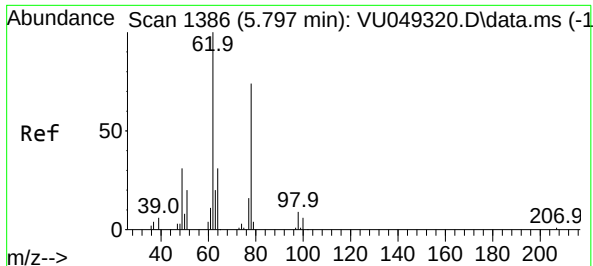
Tgt Ion: 83 Resp: 22442

Ion Ratio Lower Upper

83 100

85 57.1 45.8 85.2





#27

1,2-Dichloroethane

Concen: 2.018 ug/L

RT: 5.774 min Scan# 11

Delta R.T. -0.023 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

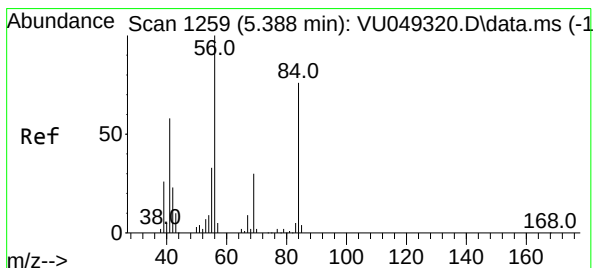
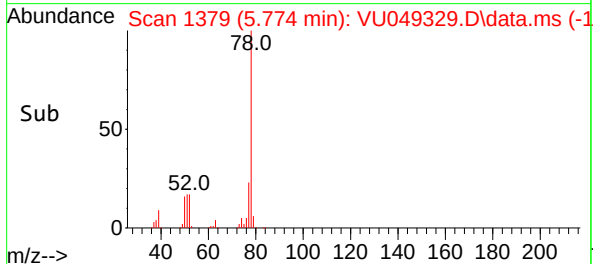
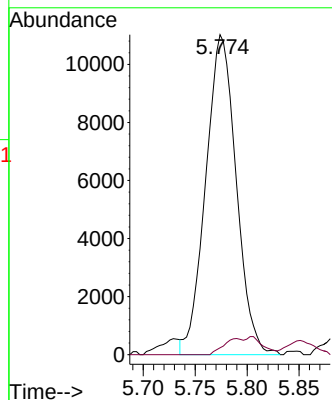
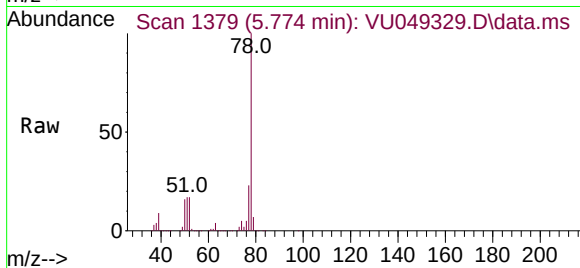
C0AJ2

Tgt Ion: 62 Resp: 22496

Ion Ratio Lower Upper

62 100

98 2.2 7.6 11.4#



#30

Cyclohexane

Concen: 4.234 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

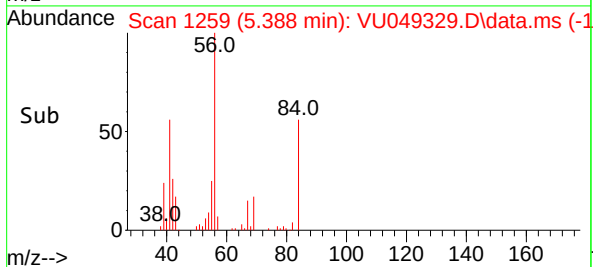
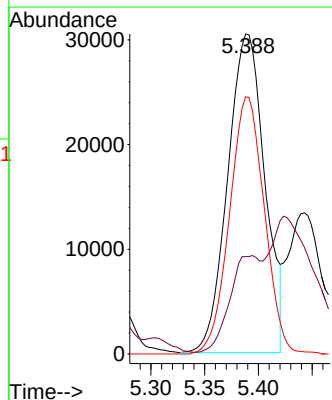
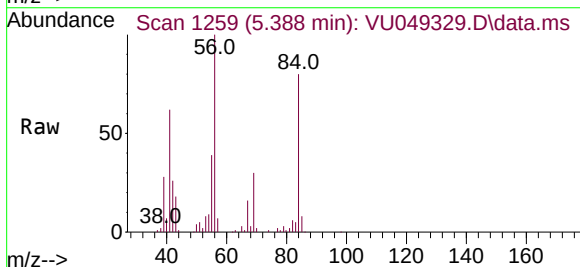
Tgt Ion: 56 Resp: 73021

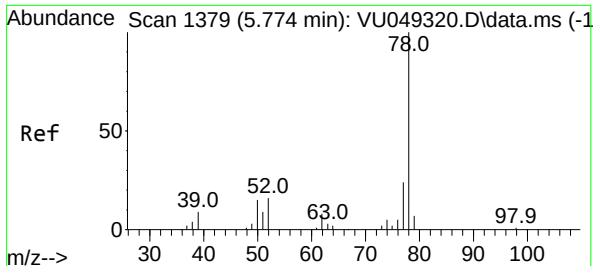
Ion Ratio Lower Upper

56 100

69 26.2 23.8 35.6

84 76.0 61.2 91.8

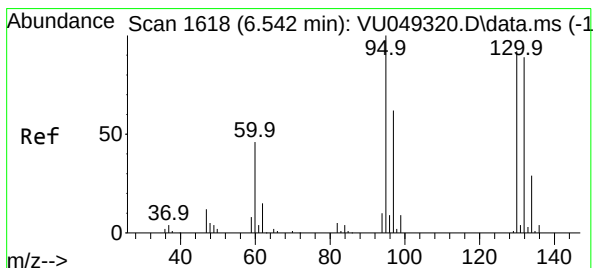
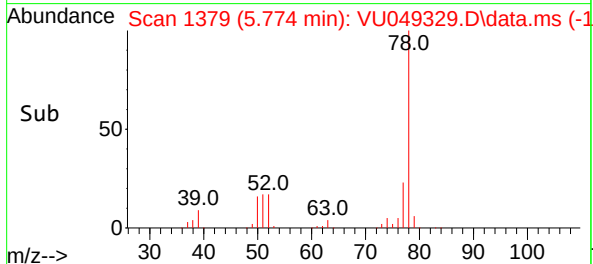
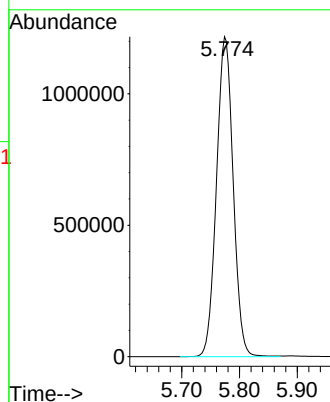
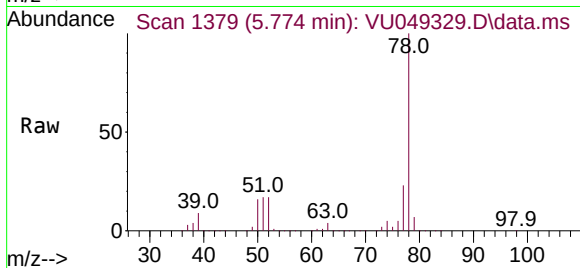




#33
Benzene
Concen: 64.657 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

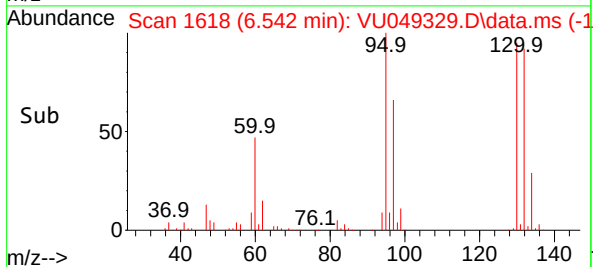
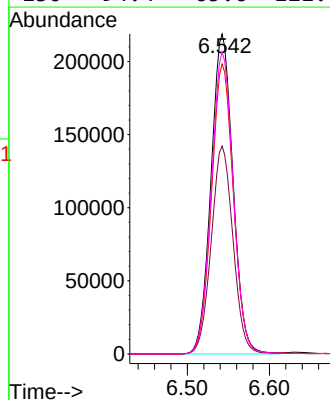
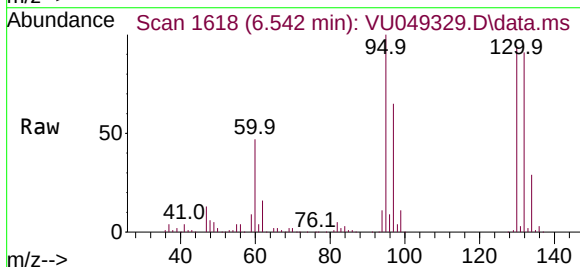
Tgt Ion: 78 Resp: 2442992

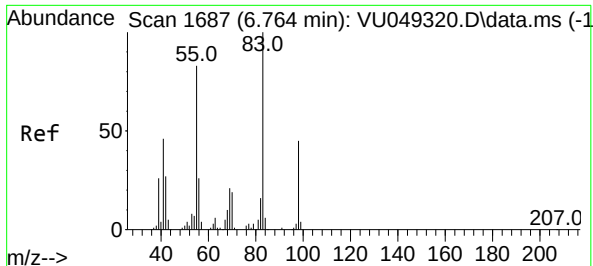


#34
Trichloroethene
Concen: 42.271 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 95 Resp: 408265

Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.3	84.1
132	90.7	61.5	114.3
130	94.4	65.6	121.8

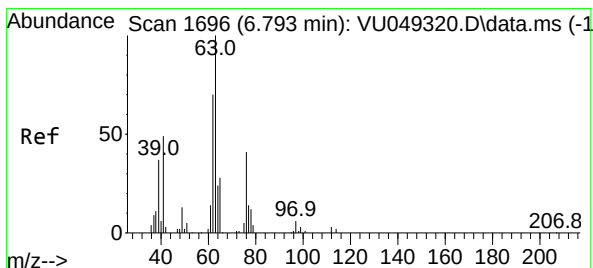
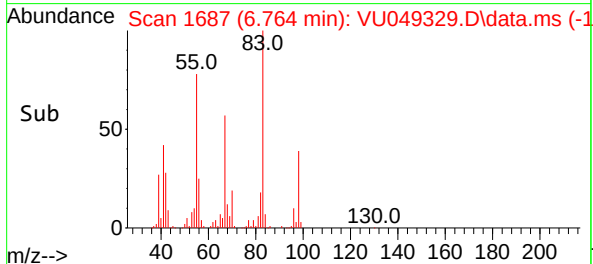
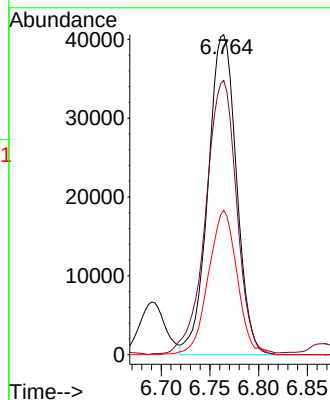
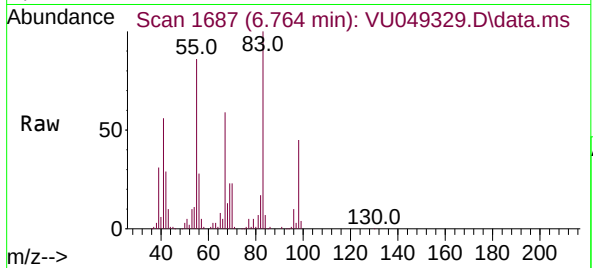




#35
Methylcyclohexane
Concen: 5.075 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

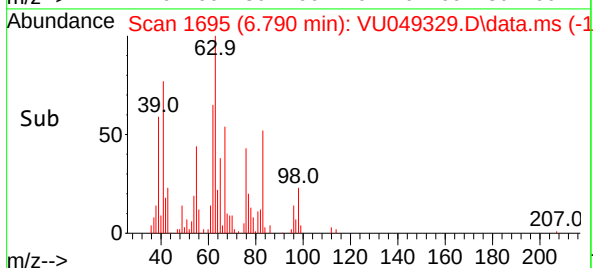
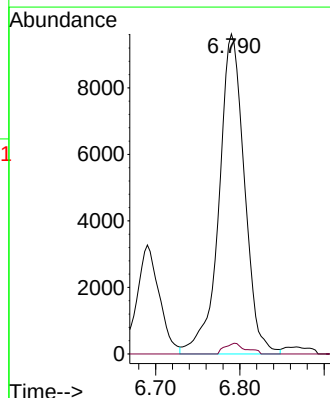
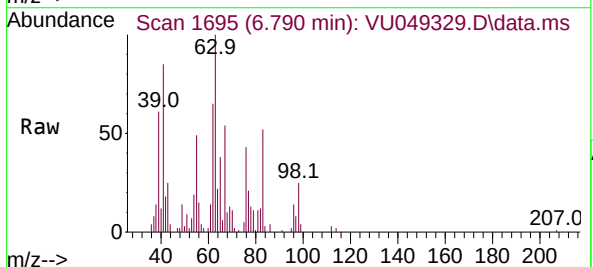
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

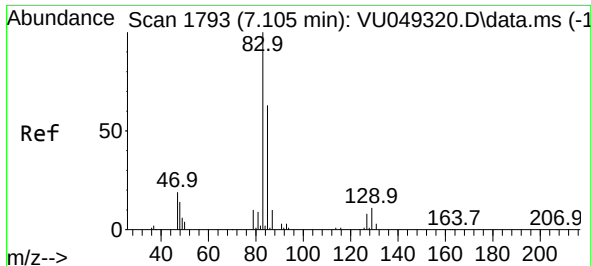
Tgt Ion: 83 Resp: 82199
Ion Ratio Lower Upper
83 100
55 94.0 66.9 100.3
98 45.6 35.5 53.3



#37
1,2-Dichloropropane
Concen: 1.940 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 63 Resp: 20136
Ion Ratio Lower Upper
63 100
112 2.7 2.8 4.2#

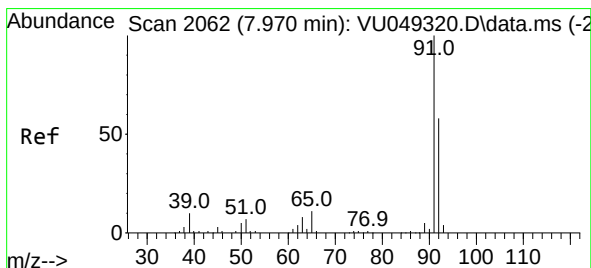
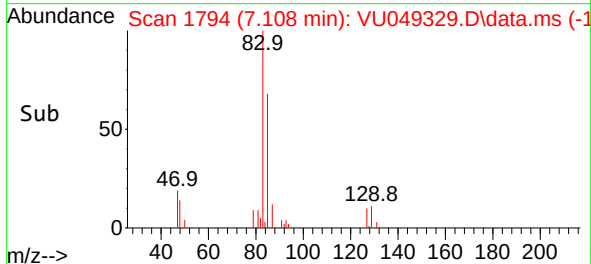
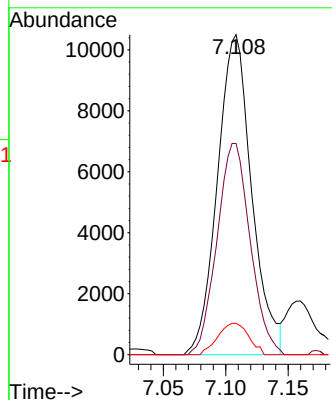
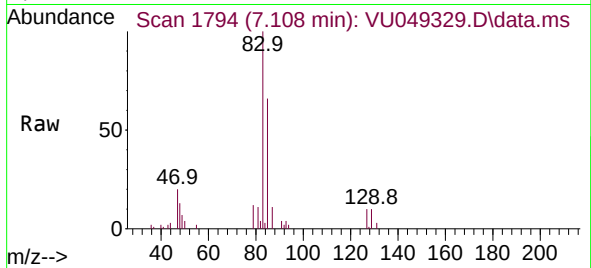




#38
Bromodichloromethane
Concen: 1.585 ug/L
RT: 7.108 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

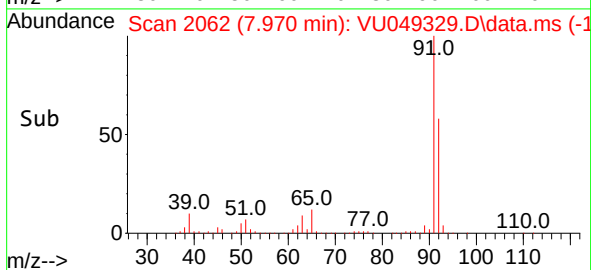
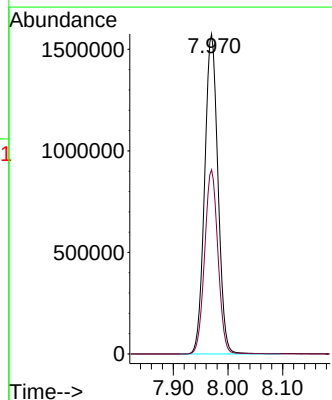
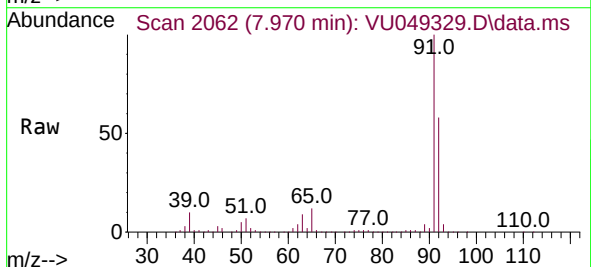
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

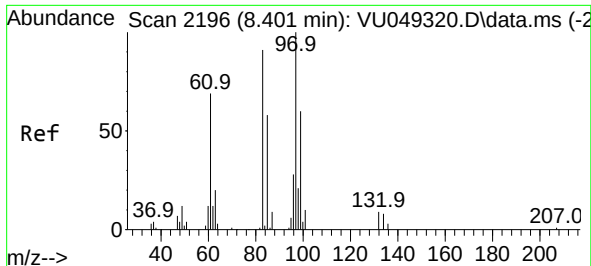
Tgt Ion: 83 Resp: 20118
Ion Ratio Lower Upper
83 100
85 66.0 45.5 84.5
127 9.8 7.1 10.7



#42
Toluene
Concen: 66.401 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 91 Resp: 2660490
Ion Ratio Lower Upper
91 100
92 57.5 40.0 74.2

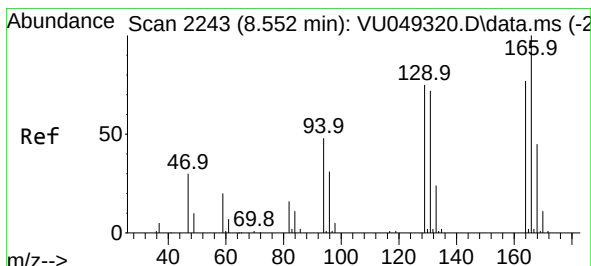
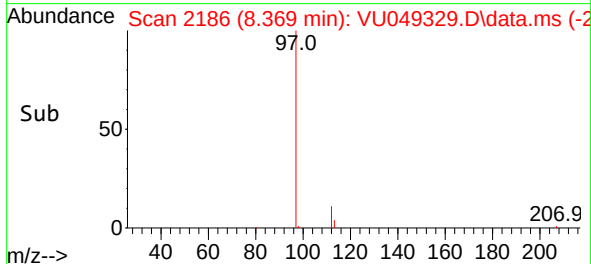
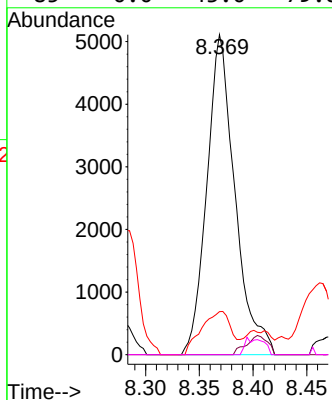
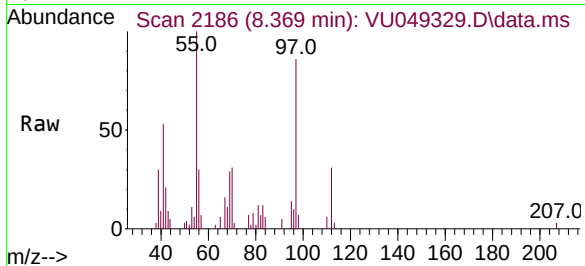




#45
1,1,2-Trichloroethane
Concen: 1.282 ug/L
RT: 8.369 min Scan# 2196
Delta R.T. -0.032 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

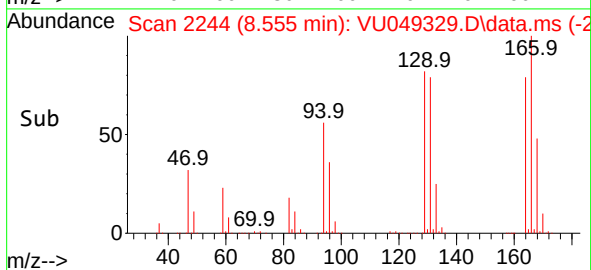
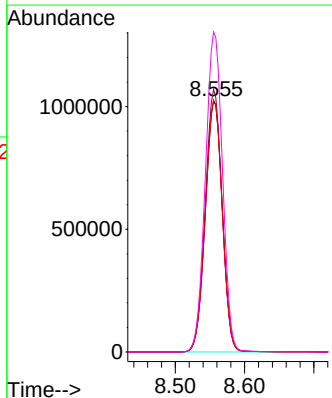
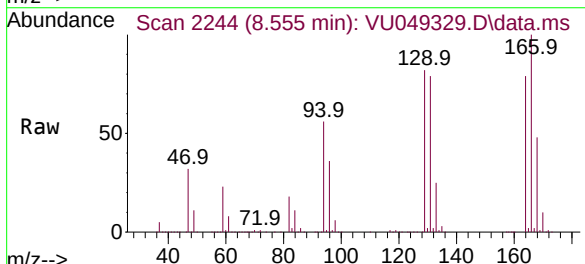
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

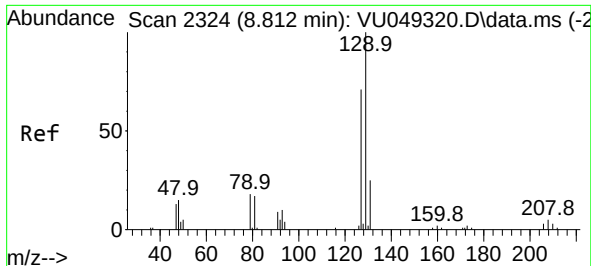
Tgt Ion: 97	Resp: 9277
Ion Ratio	Lower Upper
97 100	
99 0.0	45.6 84.8#
83 13.4	65.4 121.4#
85 0.0	43.0 79.8#



#47
Tetrachloroethene
Concen: 263.112 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt	Ion:164	Resp: 1752350	
Ion	Ratio	Lower	Upper
164	100		
129	104.5	69.8	129.6
131	100.4	67.8	125.8
166	127.4	87.3	162.1





#49

Dibromochloromethane

Concen: 218.769 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

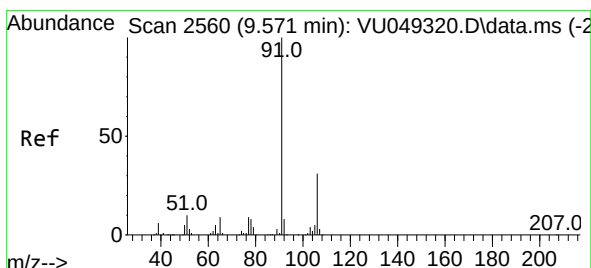
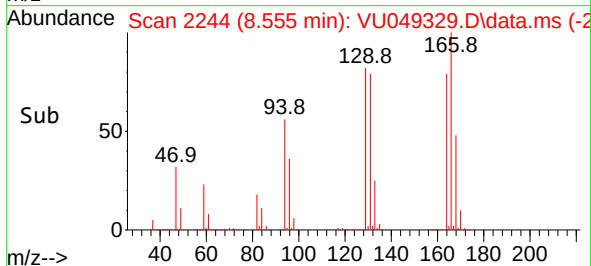
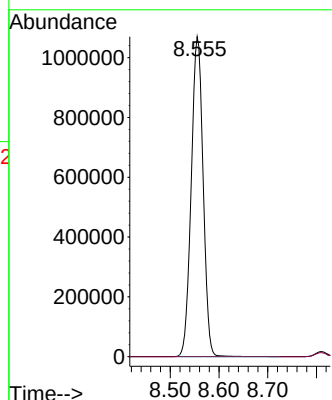
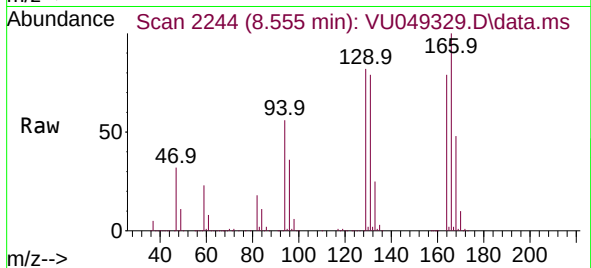
C0AJ2

Tgt Ion:129 Resp: 1806410

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



#52

Ethylbenzene

Concen: 18.880 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU049329.D

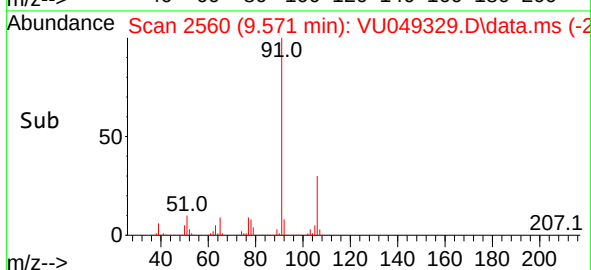
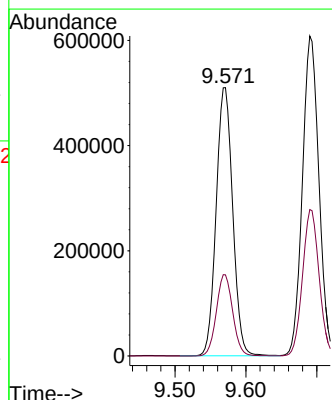
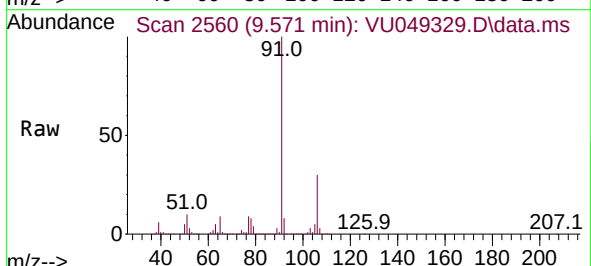
Acq: 21 Jun 2022 15:54

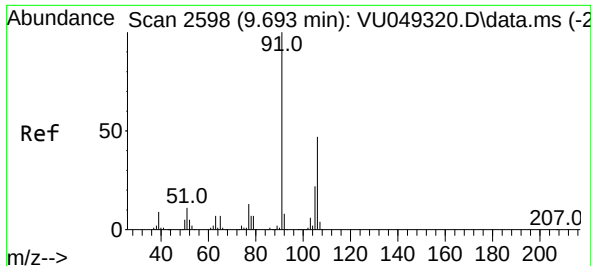
Tgt Ion: 91 Resp: 826190

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4

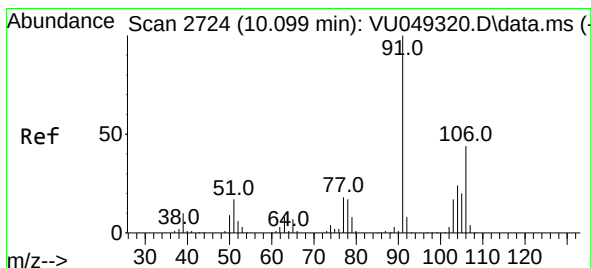
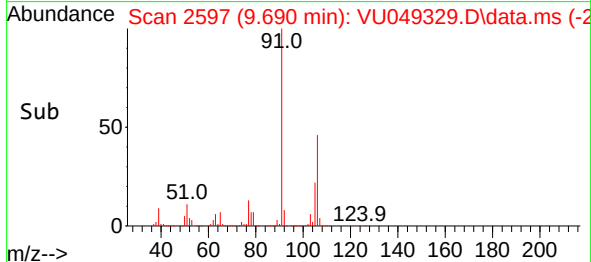
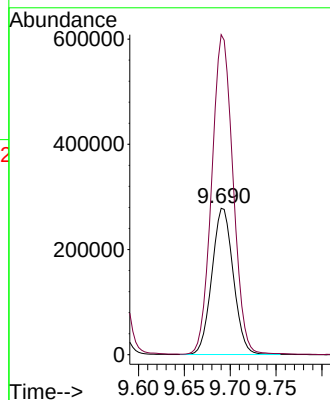
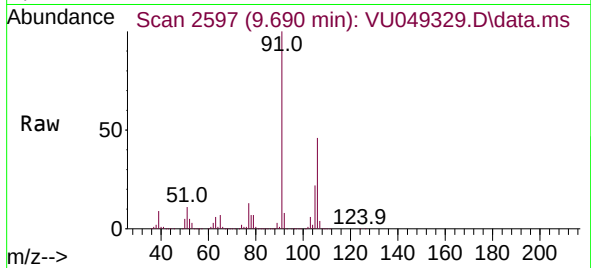




#53
m,p-Xylene
Concen: 27.756 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

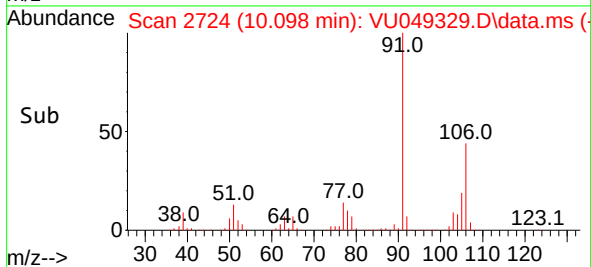
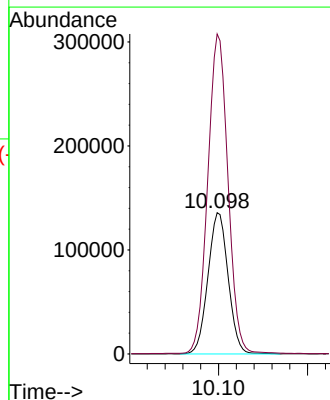
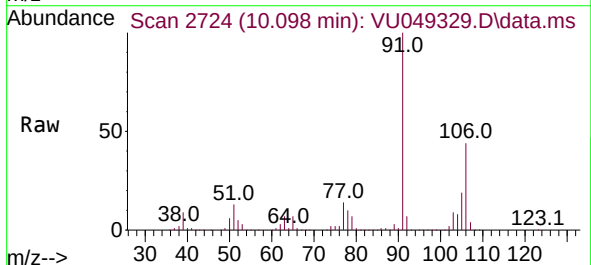
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

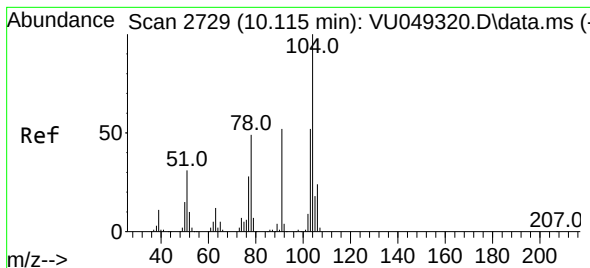
Tgt Ion:106 Resp: 451371
Ion Ratio Lower Upper
106 100
91 218.7 148.5 275.7



#54
o-Xylene
Concen: 13.252 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion:106 Resp: 213667
Ion Ratio Lower Upper
106 100
91 226.5 157.5 292.5





#55

Styrene

Concen: 3.409 ug/L

RT: 10.111 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

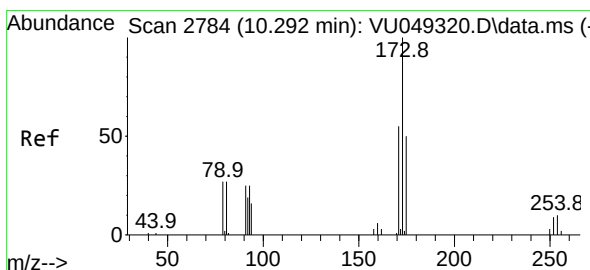
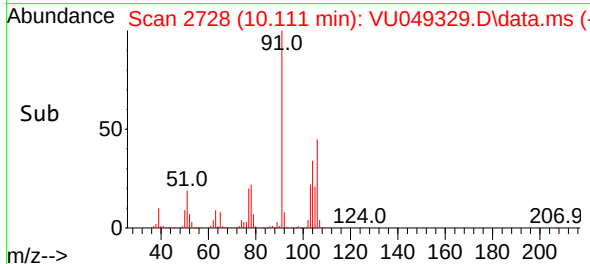
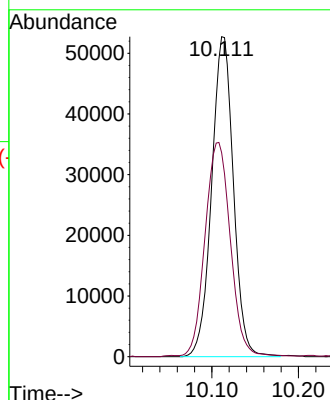
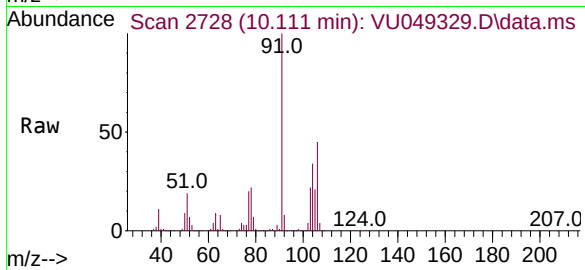
C0AJ2

Tgt Ion:104 Resp: 92066

Ion Ratio Lower Upper

104 100

78 63.8 34.1 63.3#



#59

Bromoform

Concen: 4.025 ug/L

RT: 10.291 min Scan# 2784

Delta R.T. -0.000 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

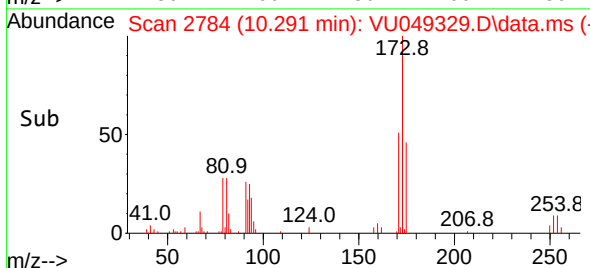
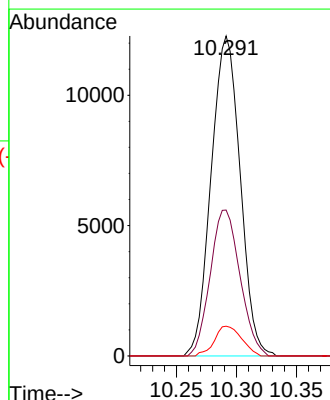
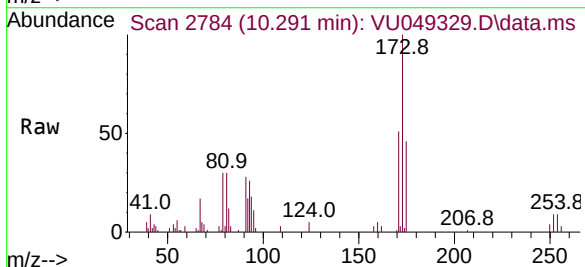
Tgt Ion:173 Resp: 20609

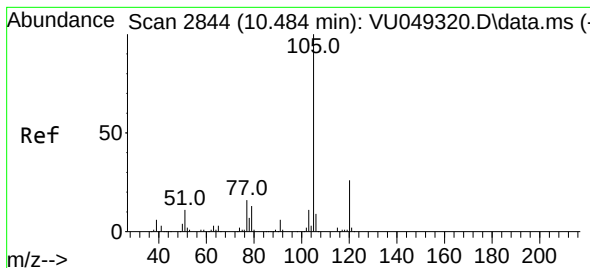
Ion Ratio Lower Upper

173 100

175 46.8 37.9 56.9

254 8.7 6.6 9.8





#60

Isopropylbenzene

Concen: 0.818 ug/L

RT: 10.484 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0AJ2

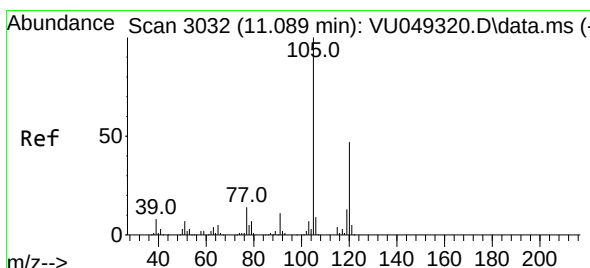
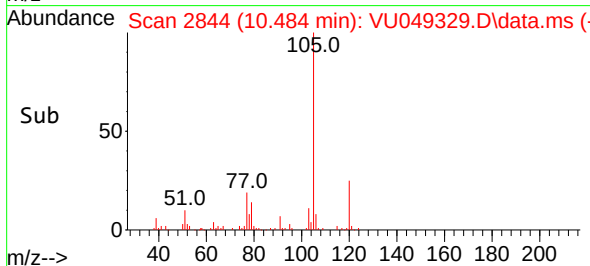
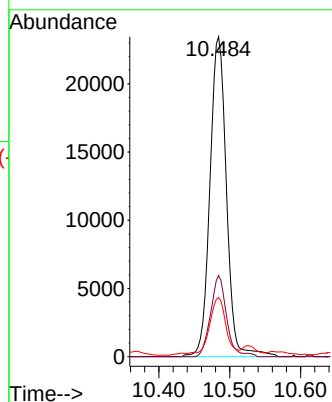
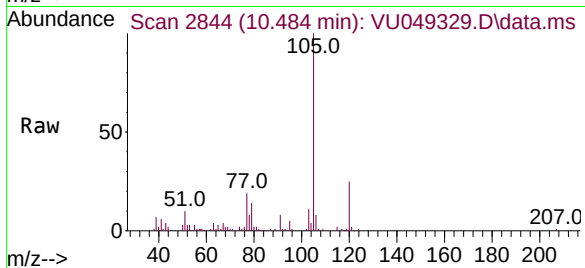
Tgt Ion:105 Resp: 37972

Ion Ratio Lower Upper

105 100

120 24.5 20.3 30.5

77 16.4 13.0 19.6



#62

1,3,5-Trimethylbenzene

Concen: 1.353 ug/L

RT: 11.086 min Scan# 3031

Delta R.T. -0.003 min

Lab File: VU049329.D

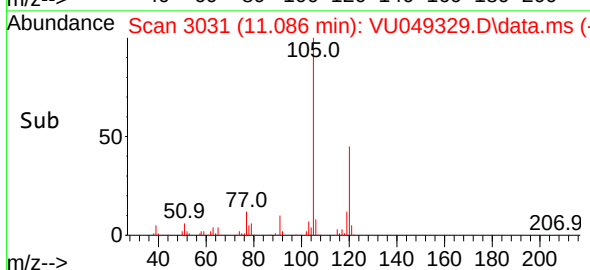
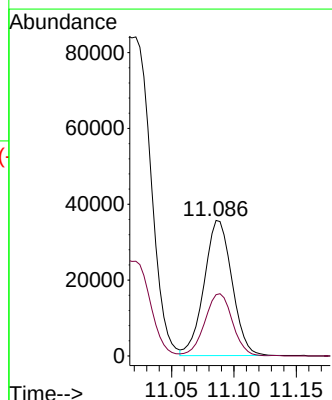
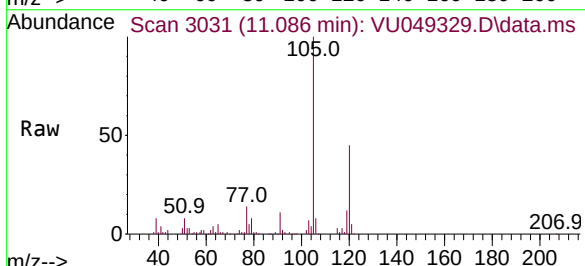
Acq: 21 Jun 2022 15:54

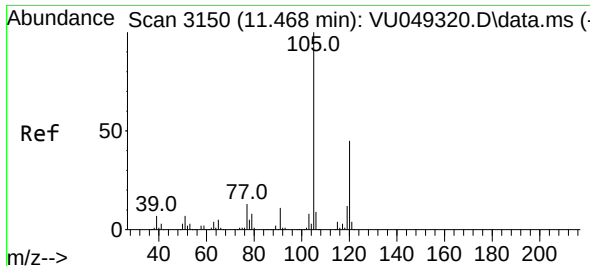
Tgt Ion:105 Resp: 55464

Ion Ratio Lower Upper

105 100

120 45.1 37.8 56.6

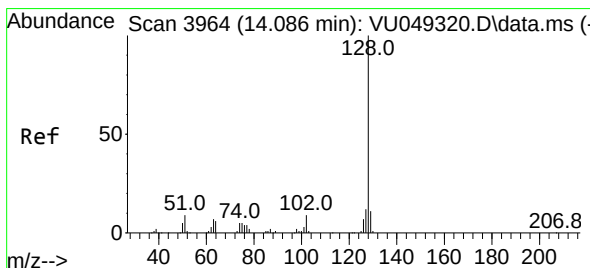
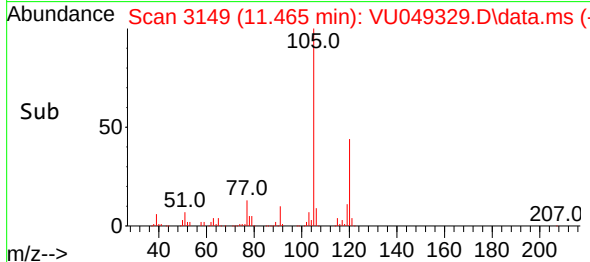
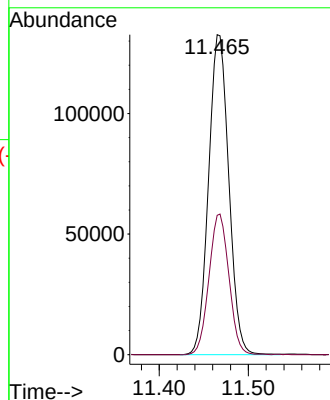
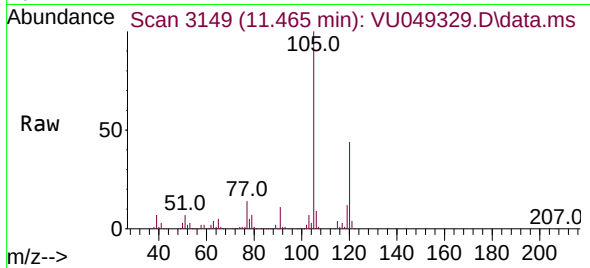




#63
1,2,4-Trimethylbenzene
Concen: 5.137 ug/L
RT: 11.465 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Instrument :
MSVOA_U
ClientSampleId :
C0AJ2

Tgt Ion:105 Resp: 208563
Ion Ratio Lower Upper
105 100
120 43.4 34.6 52.0



#71
Naphthalene
Concen: 2.836 ug/L
RT: 14.085 min Scan# 3964
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion:128 Resp: 66760
Ion Ratio Lower Upper
128 100
129 12.1 9.0 13.6
127 13.1 10.2 15.4

