

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053209.D
 Acq On : 15 Mar 2023 18:37
 Operator : JC/MD
 Sample : 01929-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EYFE9

Quant Time: Mar 16 04:03:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

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

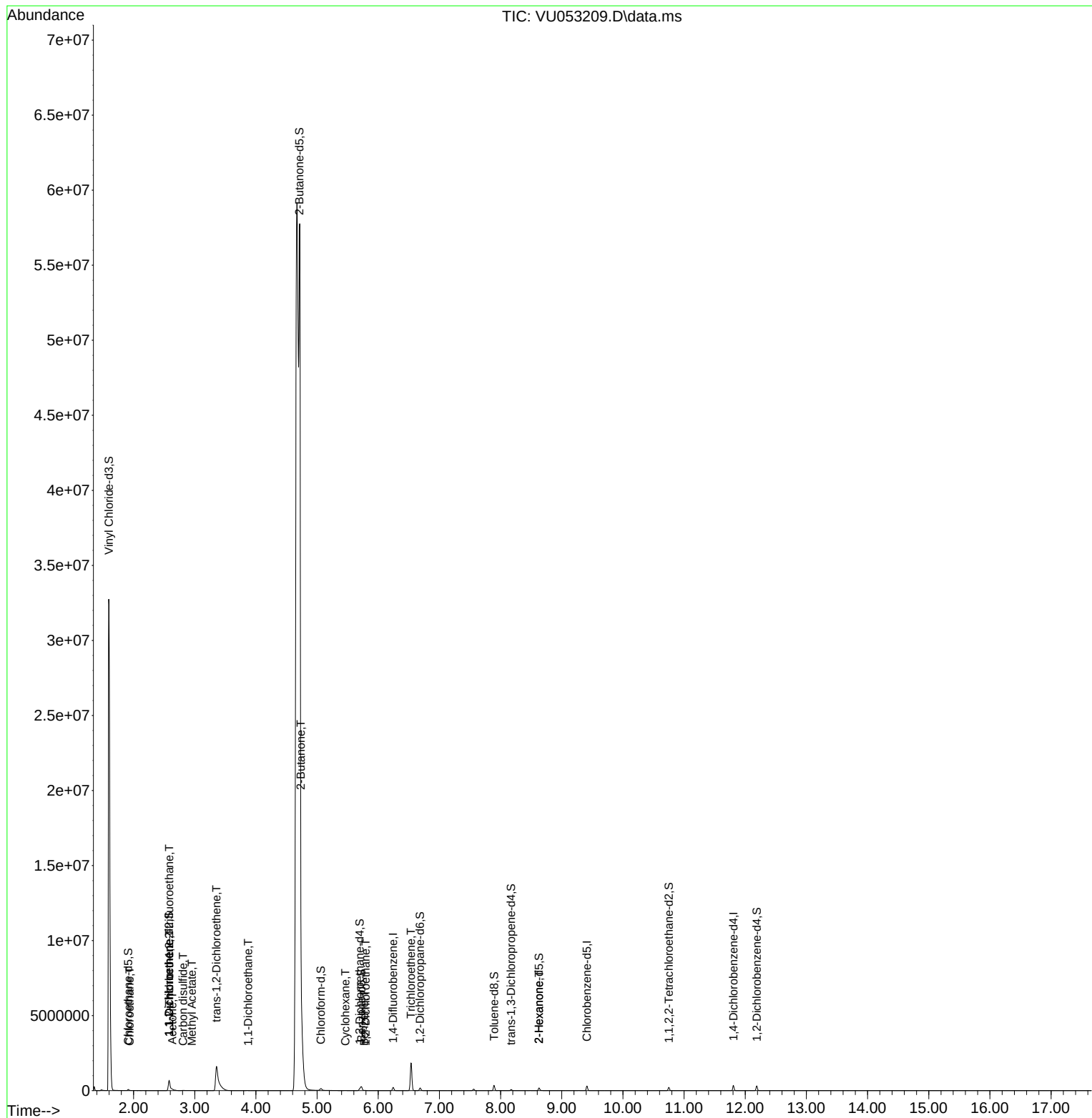
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	170387	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.410	117	165362	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	83253	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	345531	219.815	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 439.640%#			
7) Chloroethane-d5	1.912	69	57824	45.477	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 90.960%			
11) 1,1-Dichloroethene-d2	2.578	63	248711	91.335	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 182.680%#			
21) 2-Butanone-d5	4.710	46	37113	50.905	ug/L	0.09
Spiked Amount 100.000	Range 40 - 130		Recovery = 50.910%			
24) Chloroform-d	5.063	84	119616	46.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.400%			
26) 1,2-Dichloroethane-d4	5.697	65	78372	48.742	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.480%			
32) Benzene-d6	5.722	84	252469	47.071	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.140%			
36) 1,2-Dichloropropane-d6	6.684	67	82882	47.879	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.760%			
41) Toluene-d8	7.893	98	232332	46.525	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.060%			
43) trans-1,3-Dichloroprop...	8.173	79	40742	47.702	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.400%			
47) 2-Hexanone-d5	8.629	63	64753	119.648	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 119.650%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	111038	49.516	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.040%			
66) 1,2-Dichlorobenzene-d4	12.188	152	76940	47.729	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.460%			
Target Compounds						Qvalue
8) Chloroethane	1.935	64	7595	7.172	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	1111	0.821	ug/L #	28
12) 1,1-Dichloroethene	2.581	96	271997	217.369	ug/L #	81
13) Acetone	2.633	43	49676	59.826	ug/L	97
14) Carbon disulfide	2.809	76	41377	10.917	ug/L	99
15) Methyl Acetate	2.951	43	7781	6.837	ug/L	99
17) trans-1,2-Dichloroethene	3.356	96	1214535	956.605	ug/L	98
19) 1,1-Dichloroethane	3.874	63	3536	1.364	ug/L	96
22) 2-Butanone	4.732	43	33768	35.696	ug/L #	1
27) 1,2-Dichloroethane	5.793	62	6930	3.385	ug/L #	69
29) Cyclohexane	5.462	56	5250	2.131	ug/L #	16
33) Benzene	5.771	78	5625	0.981	ug/L	100
34) Trichloroethene	6.536	95	619911	414.704	ug/L	99
48) 2-Hexanone	8.629	43	7393	5.370	ug/L #	72

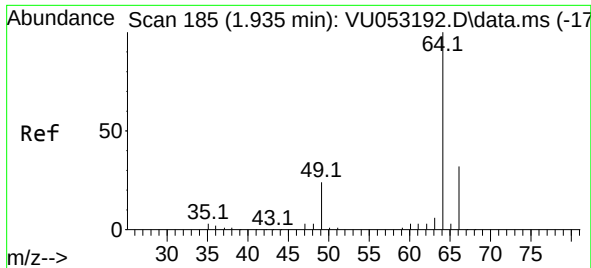
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 7.172 ug/L

RT: 1.935 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Instrument :

MSVOA_U

ClientSampleId :

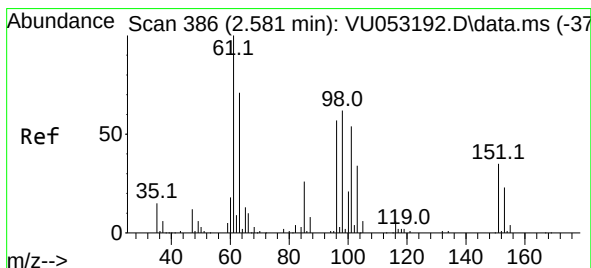
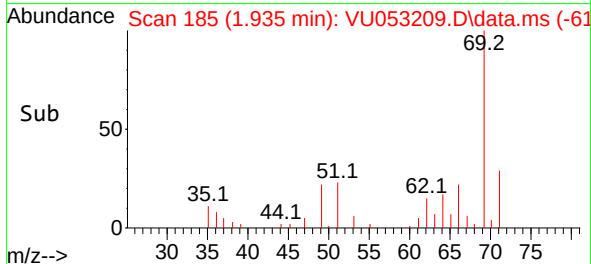
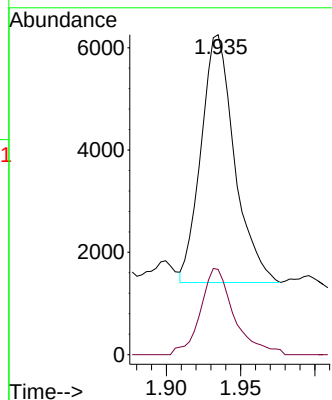
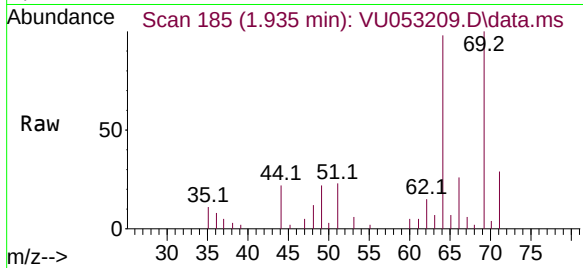
EYFE9

Tgt Ion: 64 Resp: 7595

Ion Ratio Lower Upper

64 100

66 26.7 22.6 42.0



#10

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

Concen: 0.821 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

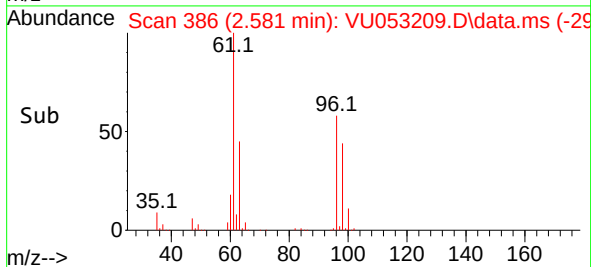
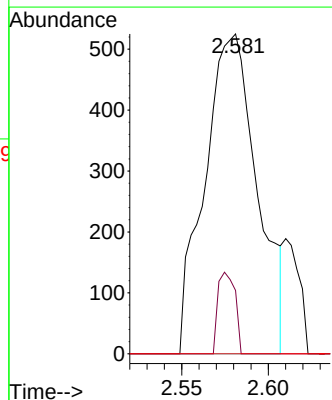
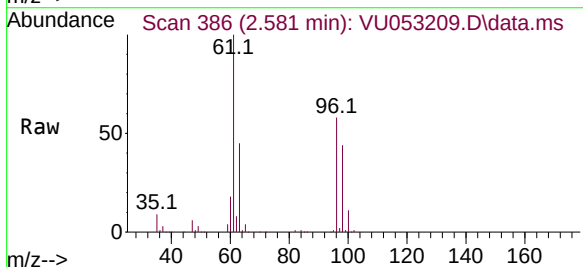
Tgt Ion:101 Resp: 1111

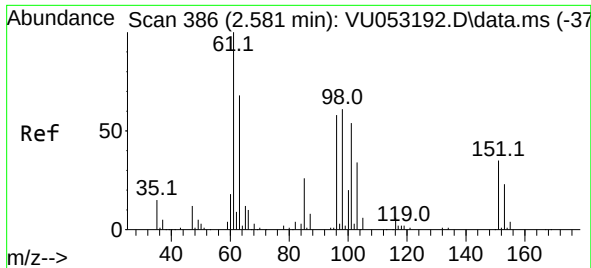
Ion Ratio Lower Upper

101 100

85 8.3 37.0 55.6#

151 0.0 52.9 79.3#





#12

1,1-Dichloroethene

Concen: 217.369 ug/L

RT: 2.581 min Scan# 386

Delta R.T. -0.000 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Instrument :

MSVOA_U

ClientSampleId :

EYFE9

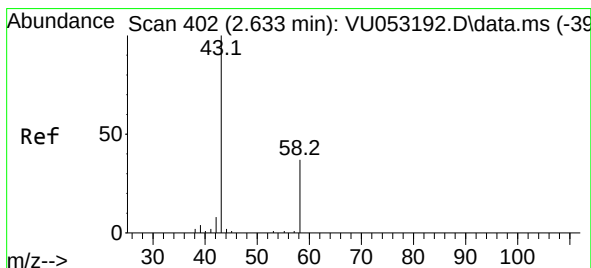
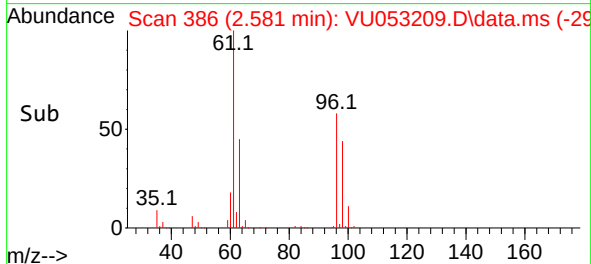
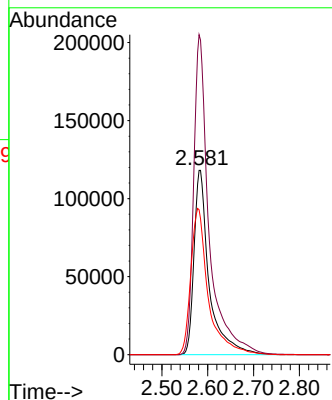
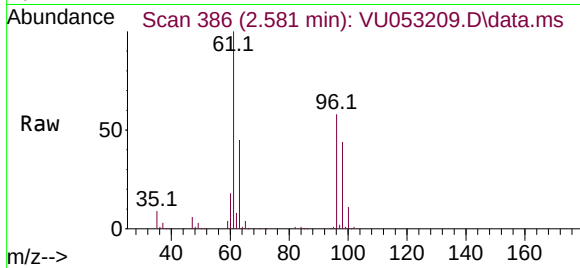
Tgt Ion: 96 Resp: 271997

Ion Ratio Lower Upper

96 100

61 173.6 122.2 226.9

63 78.6 89.9 166.9#



#13

Acetone

Concen: 59.826 ug/L

RT: 2.633 min Scan# 402

Delta R.T. -0.000 min

Lab File: VU053209.D

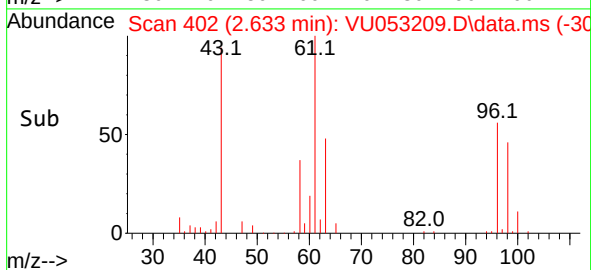
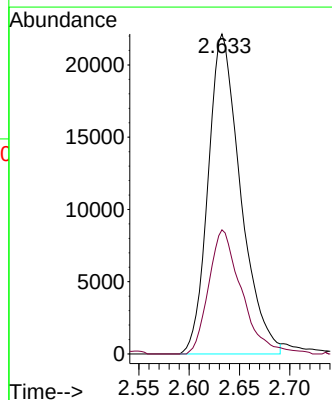
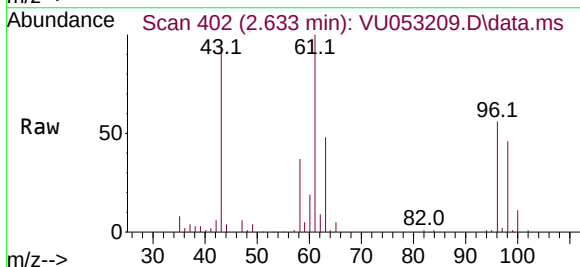
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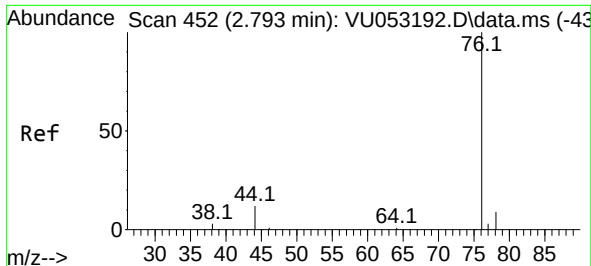
Tgt Ion: 43 Resp: 49676

Ion Ratio Lower Upper

43 100

58 39.5 0.0 75.0





#14

Carbon disulfide

Concen: 10.917 ug/L

RT: 2.809 min Scan# 41

Delta R.T. 0.016 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Instrument :

MSVOA_U

ClientSampleId :

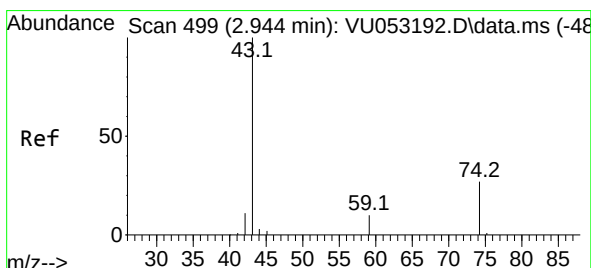
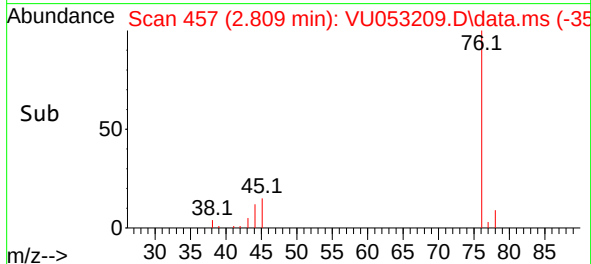
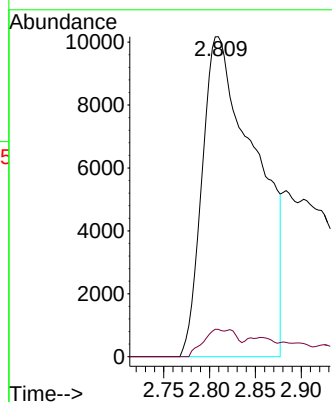
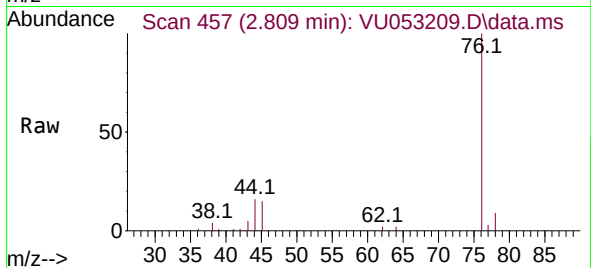
EYFE9

Tgt Ion: 76 Resp: 41377

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6



#15

Methyl Acetate

Concen: 6.837 ug/L

RT: 2.951 min Scan# 501

Delta R.T. 0.006 min

Lab File: VU053209.D

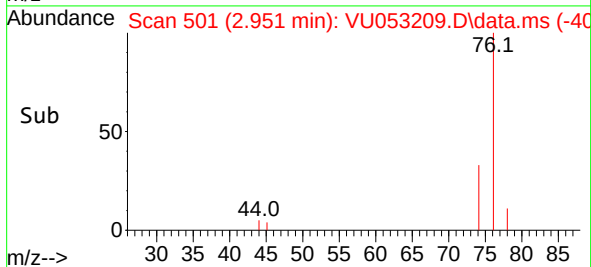
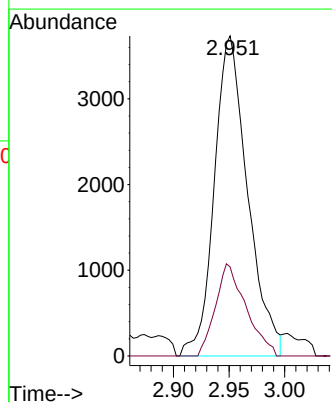
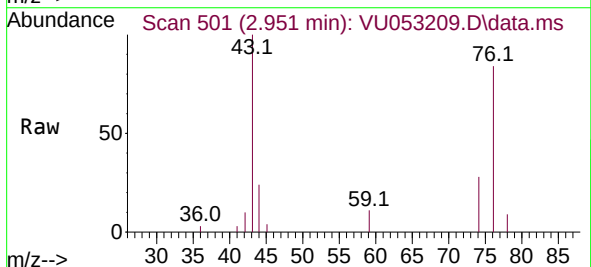
Acq: 15 Mar 2023 18:37

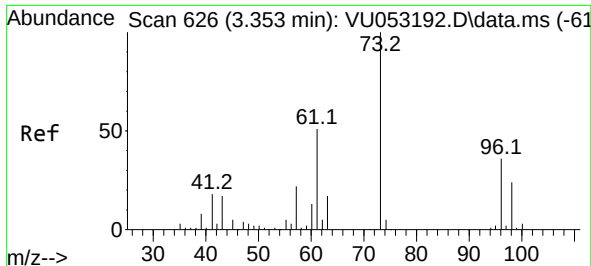
Tgt Ion: 43 Resp: 7781

Ion Ratio Lower Upper

43 100

74 26.3 21.4 32.0

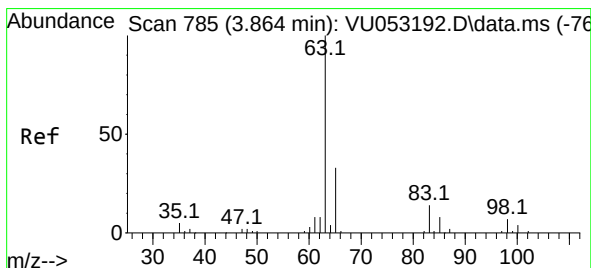
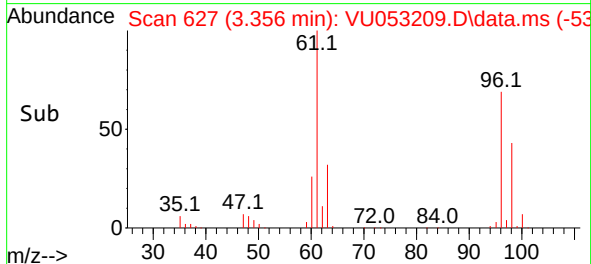
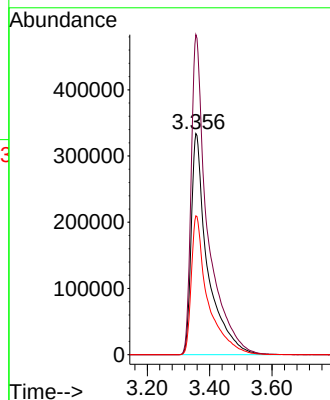
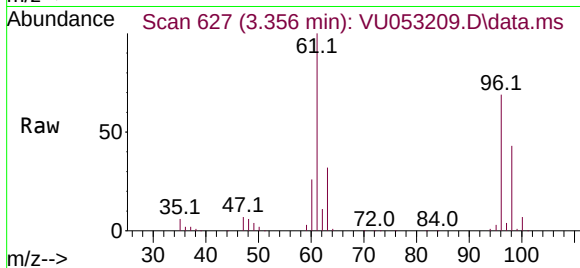




#17
trans-1,2-Dichloroethene
Concen: 956.605 ug/L
RT: 3.356 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053209.D
Acq: 15 Mar 2023 18:37

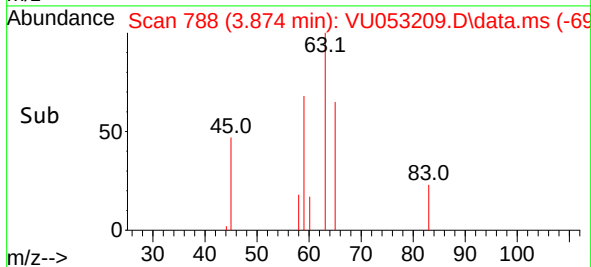
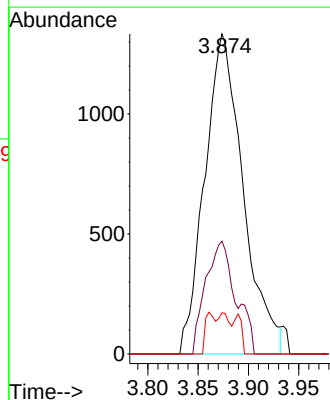
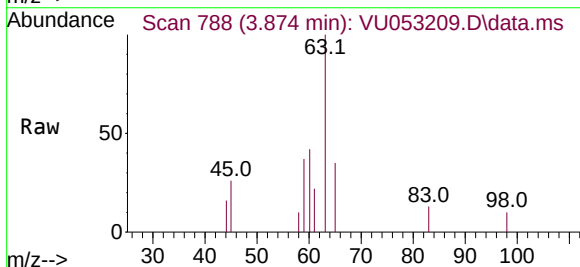
Instrument :
MSVOA_U
ClientSampleId :
EYFE9

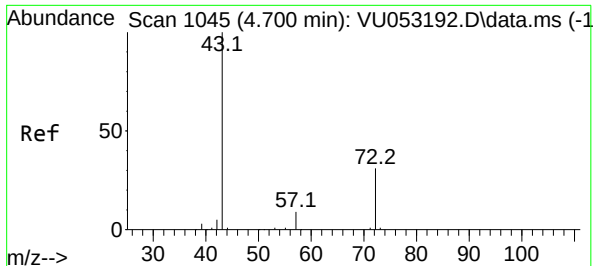
Tgt Ion: 96 Resp: 1214535
Ion Ratio Lower Upper
96 100
61 144.8 99.6 185.0
98 62.8 45.5 84.5



#19
1,1-Dichloroethane
Concen: 1.364 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.010 min
Lab File: VU053209.D
Acq: 15 Mar 2023 18:37

Tgt Ion: 63 Resp: 3536
Ion Ratio Lower Upper
63 100
65 35.3 22.8 42.4
83 12.8 9.4 17.6





#22

2-Butanone

Concen: 35.696 ug/L

RT: 4.732 min Scan# 1055

Delta R.T. 0.032 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Instrument :

MSVOA_U

ClientSampleId :

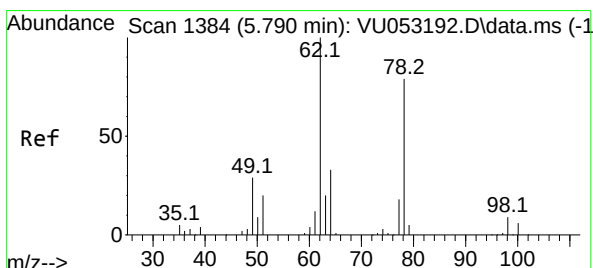
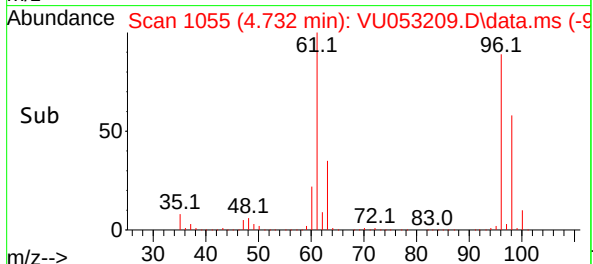
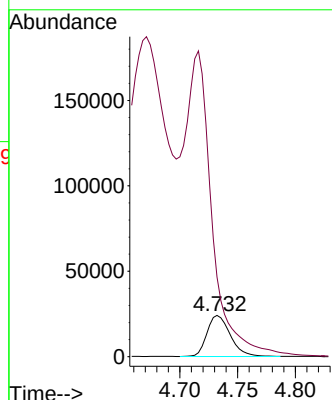
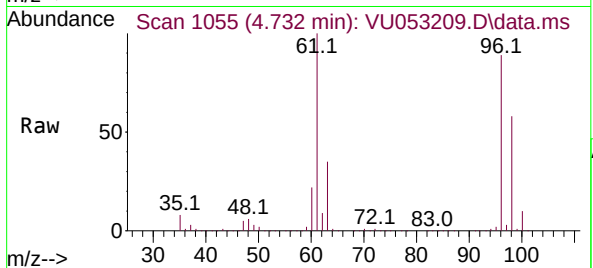
EYFE9

Tgt Ion: 43 Resp: 33768

Ion Ratio Lower Upper

43 100

72 778.0 16.0 47.9#



#27

1,2-Dichloroethane

Concen: 3.385 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053209.D

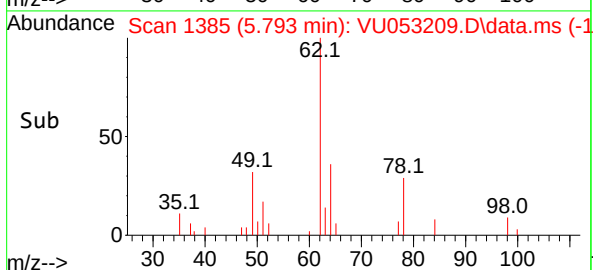
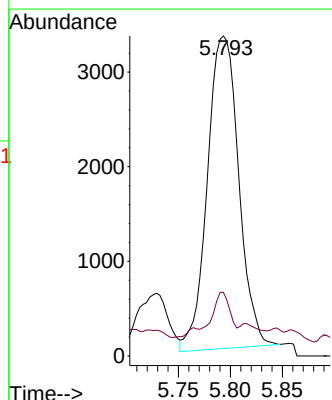
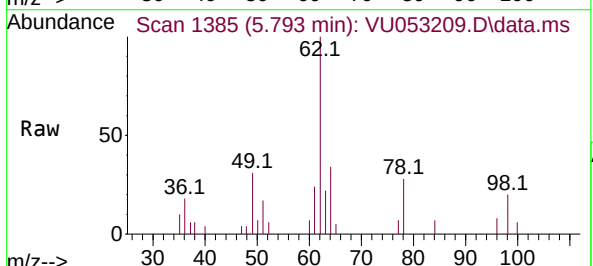
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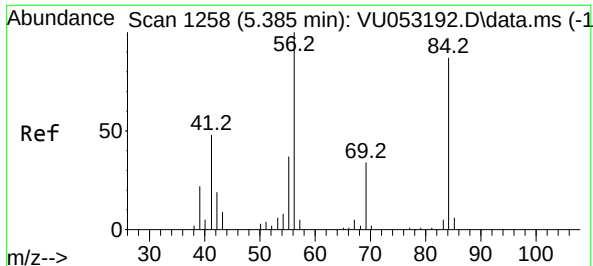
Tgt Ion: 62 Resp: 6930

Ion Ratio Lower Upper

62 100

98 19.9 7.0 10.6#





#29

Cyclohexane

Concen: 2.131 ug/L

RT: 5.462 min Scan# 1282

Delta R.T. 0.077 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Instrument :

MSVOA_U

ClientSampleId :

EYFE9

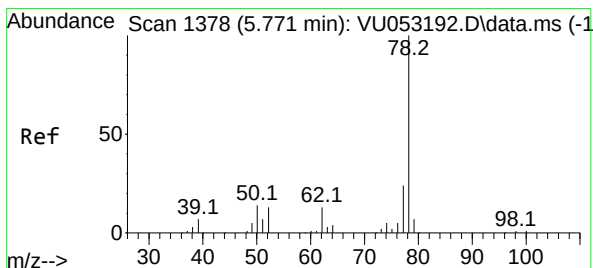
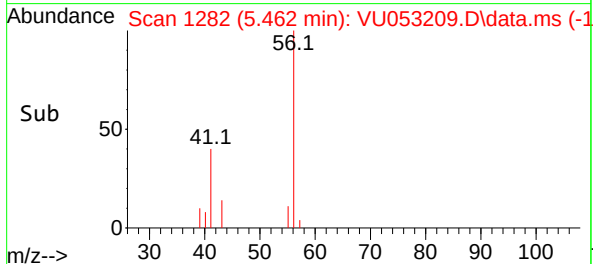
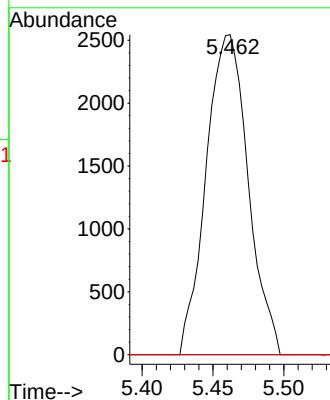
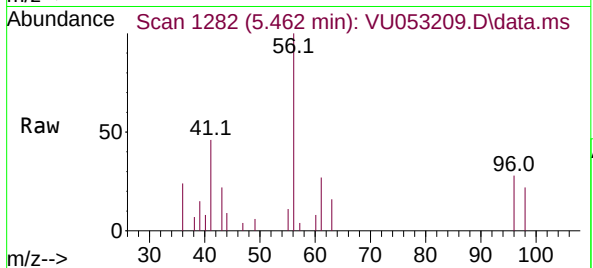
Tgt Ion: 56 Resp: 5250

Ion Ratio Lower Upper

56 100

69 0.0 25.4 38.0#

84 0.0 69.0 103.6#



#33

Benzene

Concen: 0.981 ug/L

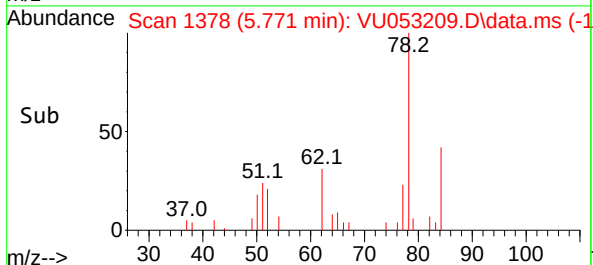
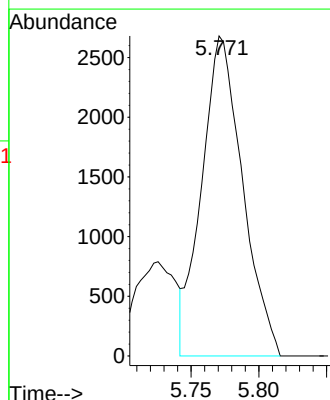
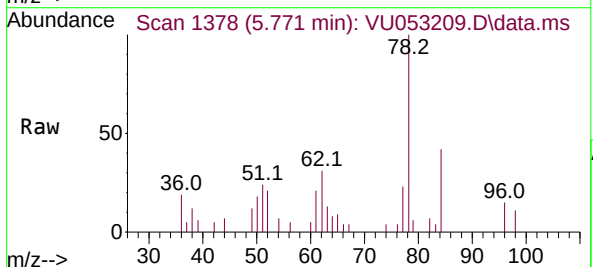
RT: 5.771 min Scan# 1378

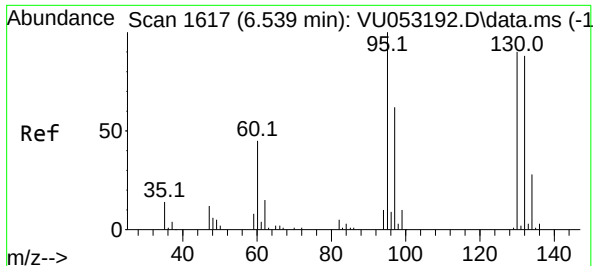
Delta R.T. -0.000 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Tgt Ion: 78 Resp: 5625





#34

Trichloroethene

Concen: 414.704 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Instrument :

MSVOA_U

ClientSampleId :

EYFE9

Tgt Ion: 95 Resp: 619911

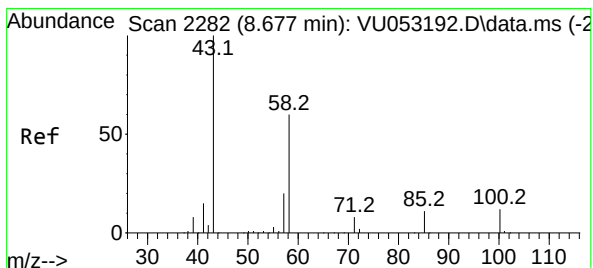
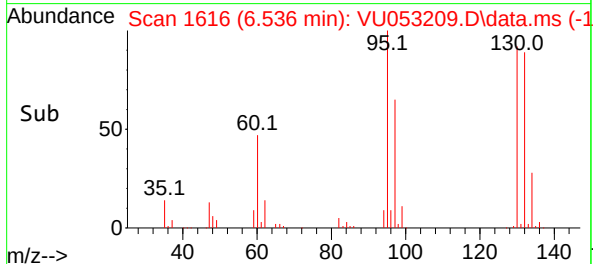
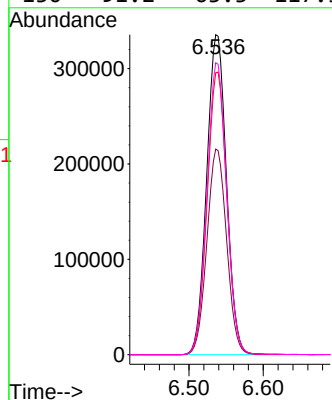
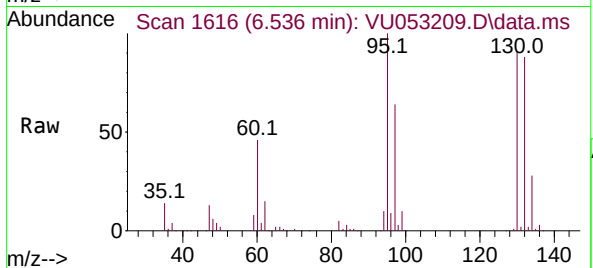
Ion Ratio Lower Upper

95 100

97 64.3 43.8 81.3

132 88.1 61.5 114.3

130 91.2 63.3 117.5



#48

2-Hexanone

Concen: 5.370 ug/L

RT: 8.629 min Scan# 2267

Delta R.T. -0.048 min

Lab File: VU053209.D

Acq: 15 Mar 2023 18:37

Tgt Ion: 43 Resp: 7393

Ion Ratio Lower Upper

43 100

58 37.3 49.4 74.0#

57 27.1 16.9 25.3#

100 0.0 9.8 14.8#

