

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052424\
 Data File : VW028812.D
 Acq On : 26 May 2024 01:16
 Operator : SY/MD
 Sample : P2590-14
 Misc : 4.23g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 27 02:27:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon May 27 02:22:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	3908	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.635	117	2651	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	581	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	1638	22.072	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.280%
7) Chloroethane-d5	2.899	69	1647	28.985	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.920%
11) 1,1-Dichloroethene-d2	4.027	65	652	21.029	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.120%
21) 2-Butanone-d5	7.130	46	260	13.429	ug/L	0.05
Spiked Amount	50.000	Range	20 - 135	Recovery	=	26.860%
24) Chloroform-d	7.648	84	4343	35.566	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	142.280%
26) 1,2-Dichloroethane-d4	8.307	65	2647	37.863	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	151.440%#
32) Benzene-d6	8.276	84	6698	37.869	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	151.480%#
36) 1,2-Dichloropropane-d6	9.276	67	2704	50.805	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	203.240%#
41) Toluene-d8	10.325	98	3736	23.852	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.400%
43) trans-1,3-Dichloroprop...	10.593	79	404	18.869	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.480%
47) 2-Hexanone-d5	10.934	63	143	15.578	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	31.160%
56) 1,1,2,2-Tetrachloroeth...	12.696	84	2347	52.589	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	210.360%#
66) 1,2-Dichlorobenzene-d4	13.842	152	883	39.875	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	159.480%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.228	50	172	2.445	ug/L #	35
5) Vinyl chloride	2.344	62	41	0.518	ug/L #	1
8) Chloroethane	2.844	64	40	0.885	ug/L #	44
13) Acetone	4.137	43	138	7.835	ug/L	85
15) Methyl Acetate	4.679	43	106	3.459	ug/L #	54
17) trans-1,2-Dichloroethene	5.417	96	20	0.357	ug/L #	50
18) Methyl tert-butyl Ether	5.283	73	39	0.472	ug/L #	1
19) 1,1-Dichloroethane	6.209	63	48	0.432	ug/L #	49
27) 1,2-Dichloroethane	8.349	62	67	0.858	ug/L #	76
29) Cyclohexane	7.990	56	44	0.582	ug/L #	18
34) Trichloroethene	8.843	95	122	2.647	ug/L #	9
37) 1,2-Dichloropropane	9.367	63	75	1.674	ug/L #	87
40) 4-Methyl-2-pentanone	10.209	43	38	1.246	ug/L #	46
48) 2-Hexanone	10.965	43	107	4.971	ug/L #	40
61) 1,2,3-Trichloropropane	12.599	75	38	2.706	ug/L #	4
62) 1,3,5-Trimethylbenzene	13.556	105	39	0.625	ug/L #	30
63) 1,2,4-Trimethylbenzene	13.556	105	39	0.580	ug/L #	33

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Quant Title : SFAM01.0
QLast Update : Mon May 27 02:22:53 2024
Response via : Initial Calibration

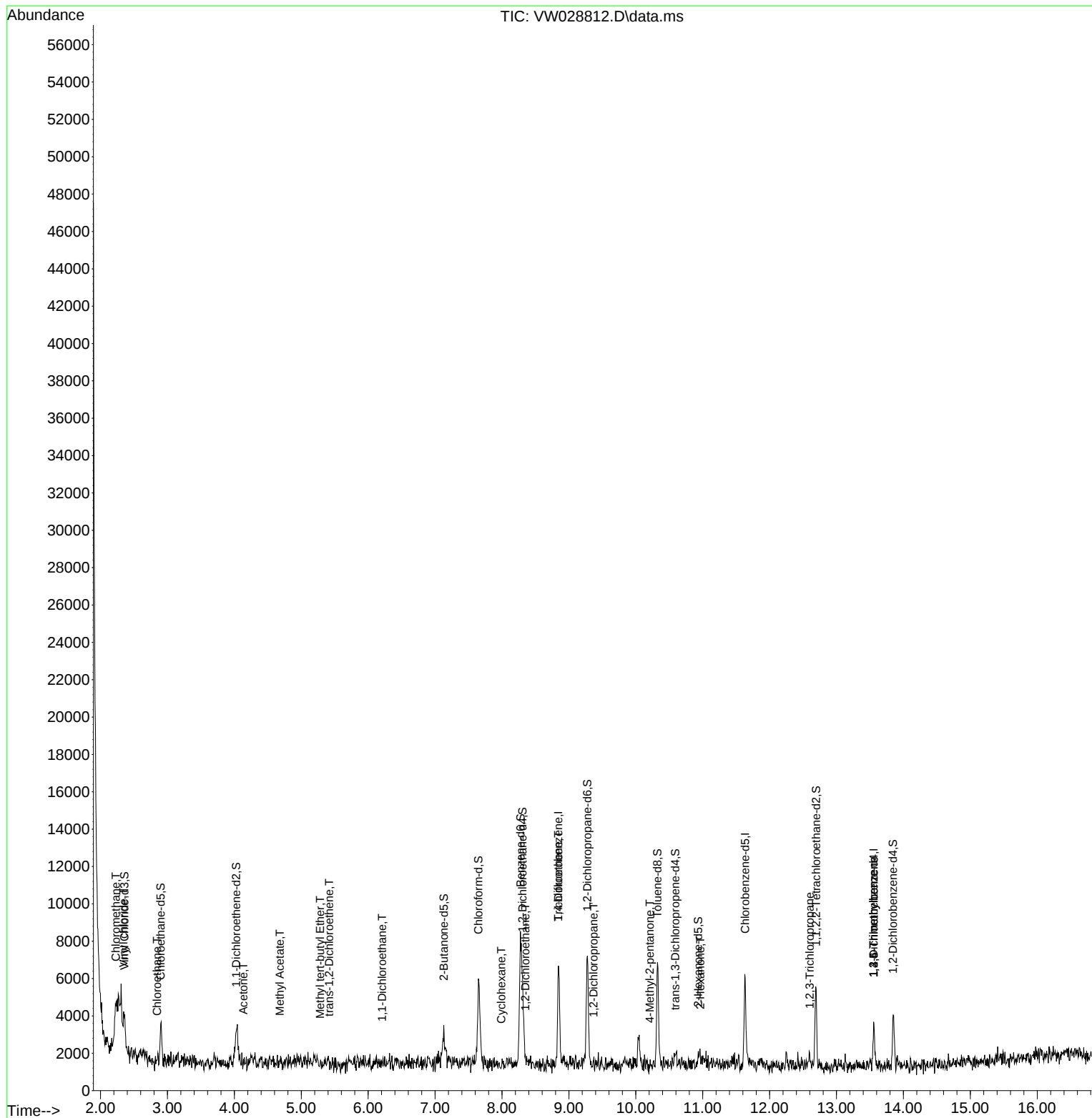
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

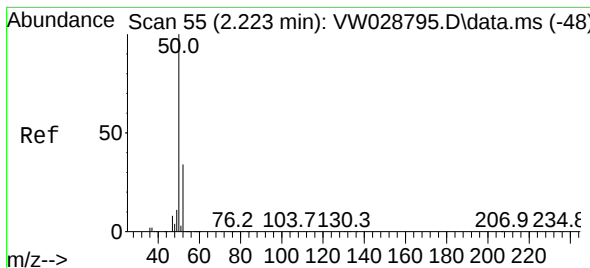
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#3

Chloromethane

Concen: 2.445 ug/L

RT: 2.228 min Scan# 5

Delta R.T. 0.006 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

Instrument :

MSVOA_W

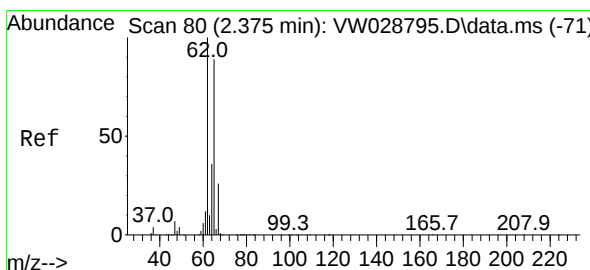
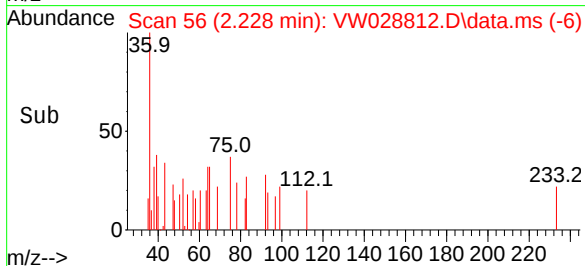
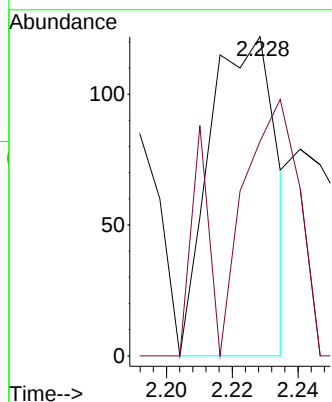
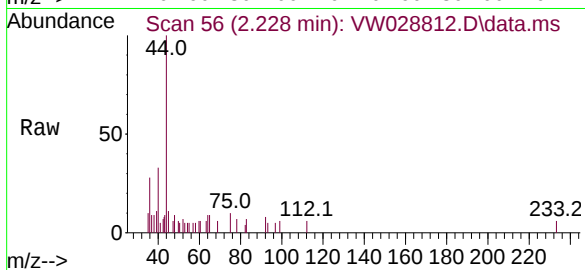
ClientSampleId :

Tgt Ion: 50 Resp: 172

Ion Ratio Lower Upper

50 100

52 67.2 22.0 41.0#



#5

Vinyl chloride

Concen: 0.518 ug/L

RT: 2.344 min Scan# 75

Delta R.T. -0.031 min

Lab File: VW028812.D

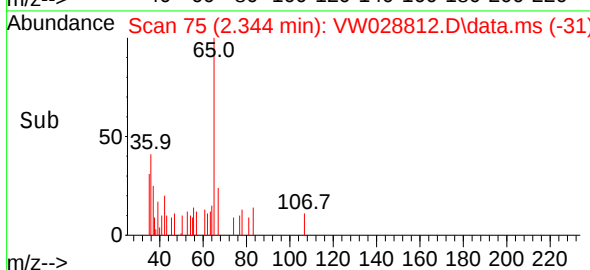
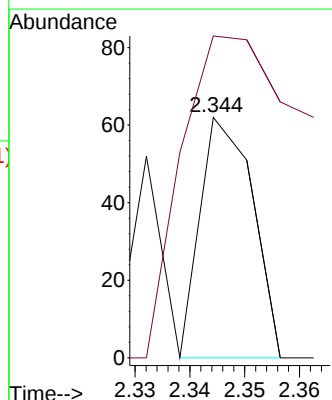
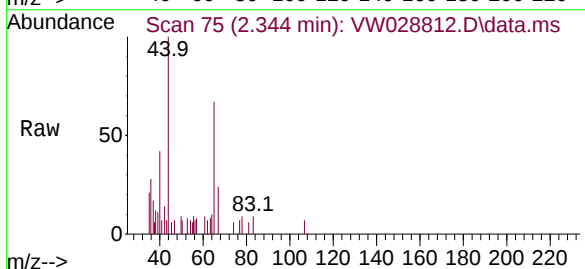
Acq: 26 May 2024 01:16

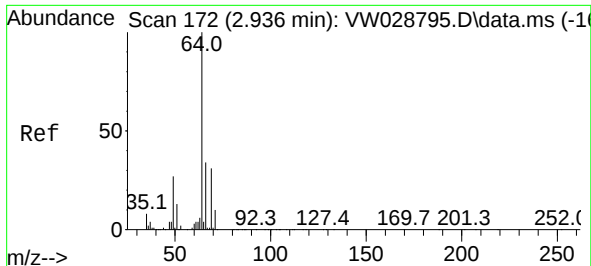
Tgt Ion: 62 Resp: 41

Ion Ratio Lower Upper

62 100

64 133.9 23.3 43.3#

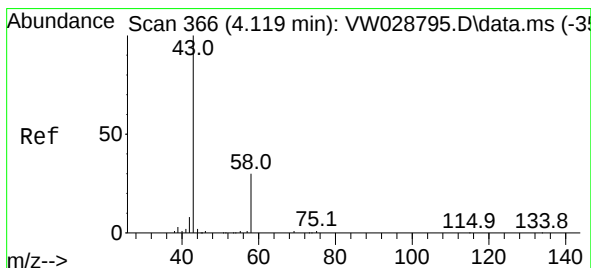
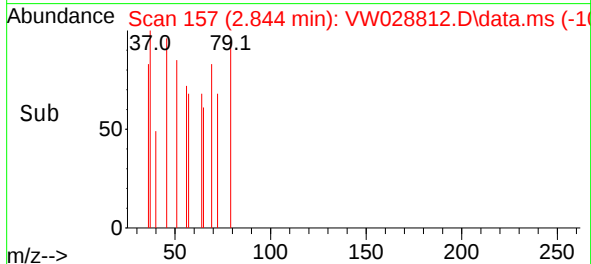
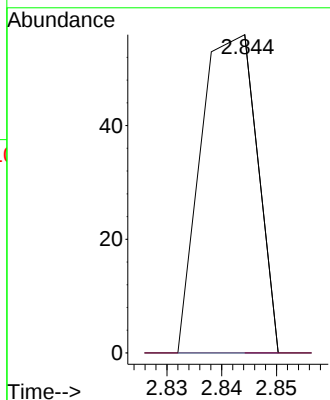
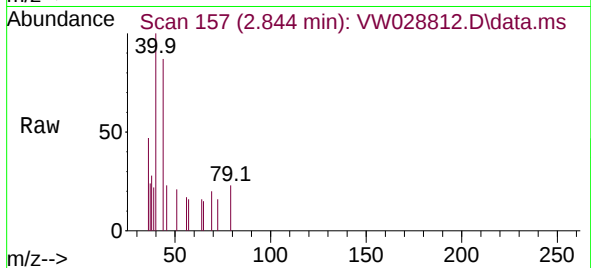




#8
Chloroethane
Concen: 0.885 ug/L
RT: 2.844 min Scan# 11
Delta R.T. -0.092 min
Lab File: VW028812.D
Acq: 26 May 2024 01:16

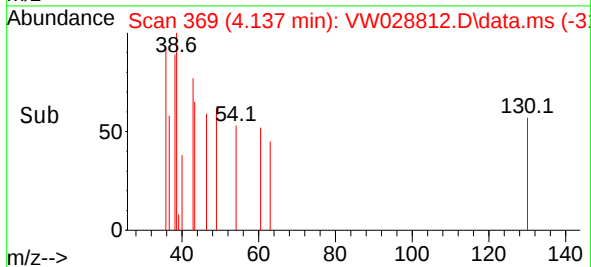
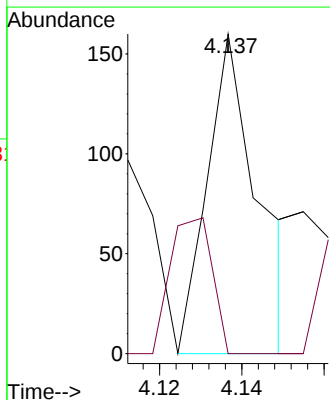
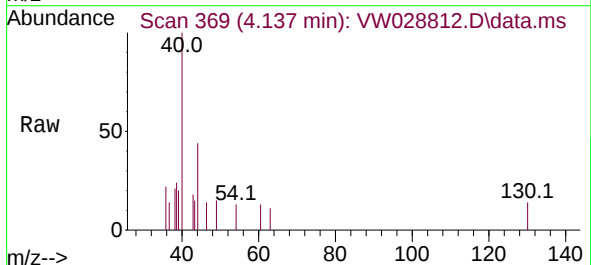
Instrument :
MSVOA_W
ClientSampleId :

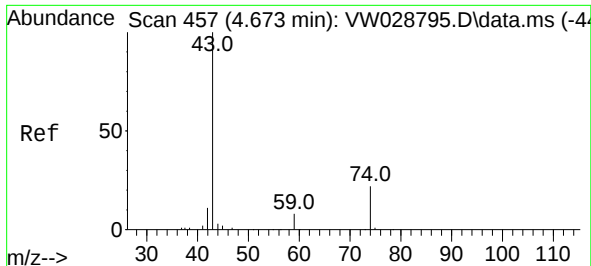
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 21.7 40.3#



#13
Acetone
Concen: 7.835 ug/L
RT: 4.137 min Scan# 369
Delta R.T. 0.018 min
Lab File: VW028812.D
Acq: 26 May 2024 01:16

Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
58 34.8 0.0 54.4





#15

Methyl Acetate

Concen: 3.459 ug/L

RT: 4.679 min Scan# 4

Delta R.T. 0.006 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

Instrument :

MSVOA_W

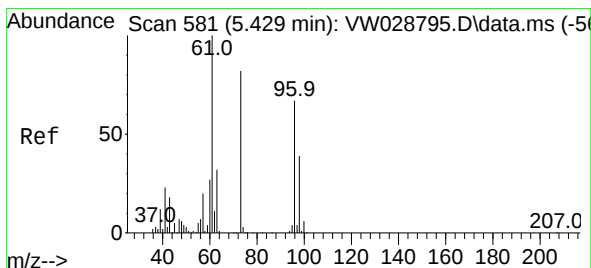
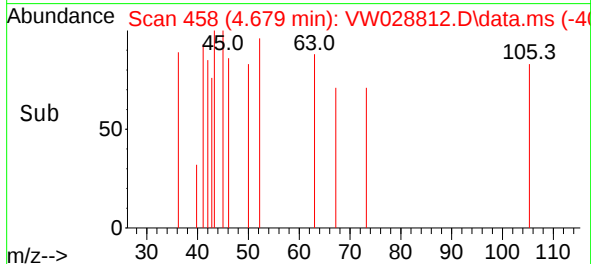
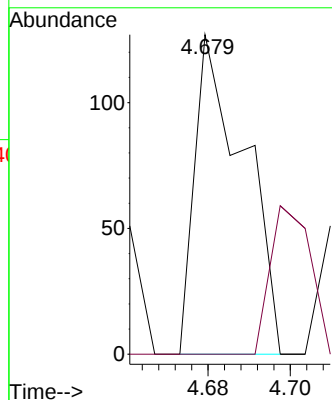
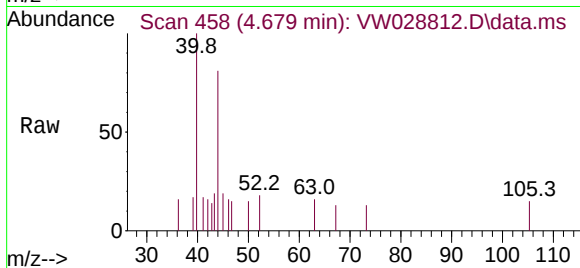
ClientSampleId :

Tgt Ion: 43 Resp: 106

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#



#17

trans-1,2-Dichloroethene

Concen: 0.357 ug/L

RT: 5.417 min Scan# 579

Delta R.T. -0.012 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

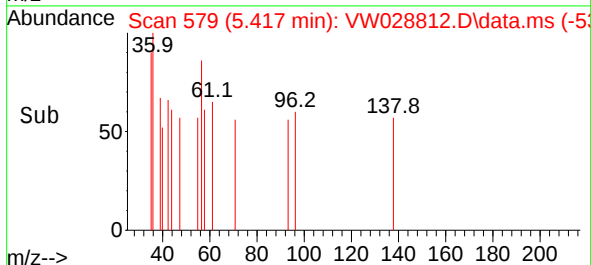
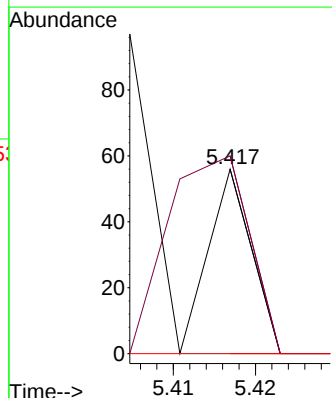
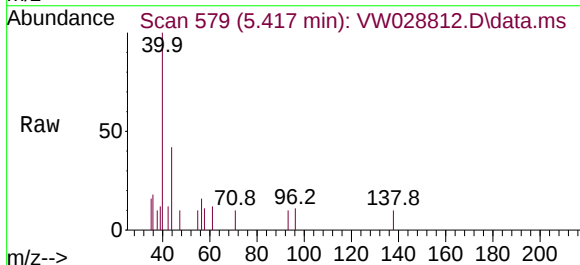
Tgt Ion: 96 Resp: 20

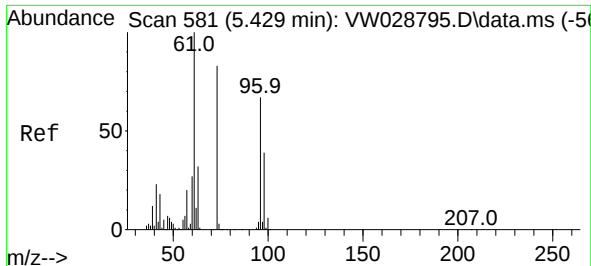
Ion Ratio Lower Upper

96 100

61 107.1 109.0 202.4#

98 0.0 44.2 82.0#





#18

Methyl tert-butyl Ether

Concen: 0.472 ug/L

RT: 5.283 min Scan# 51

Delta R.T. -0.146 min

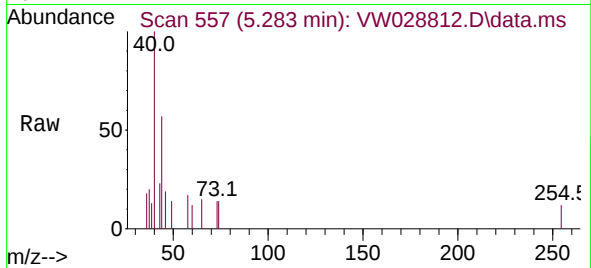
Lab File: VW028812.D

Acq: 26 May 2024 01:16

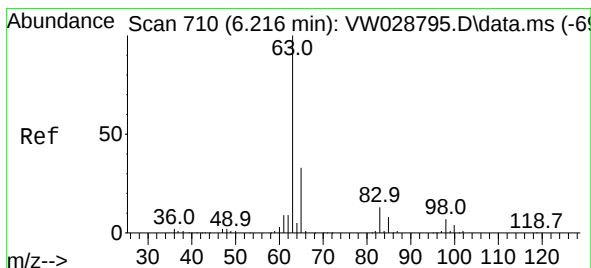
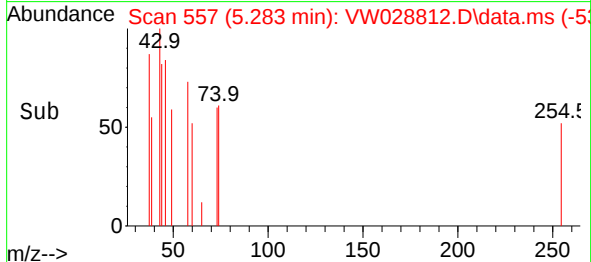
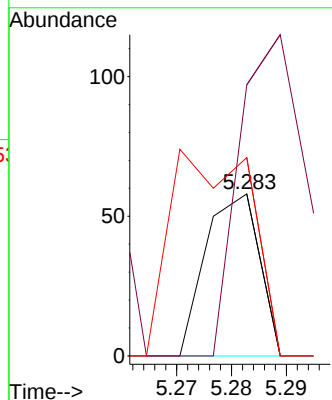
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	73	Resp:	39
Ion	Ratio	Lower	Upper
73	100		
43	246.2	19.2	28.8#
57	0.0	18.5	27.7#



#19

1,1-Dichloroethane

Concen: 0.432 ug/L

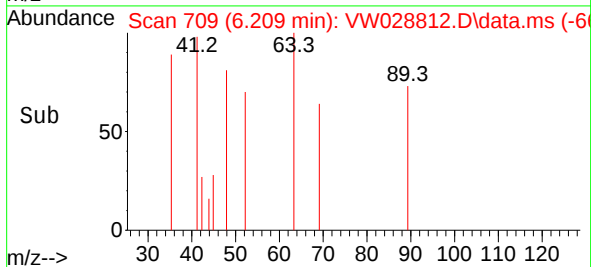
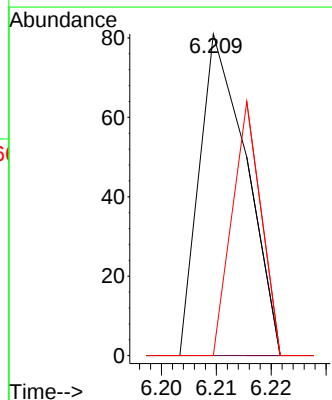
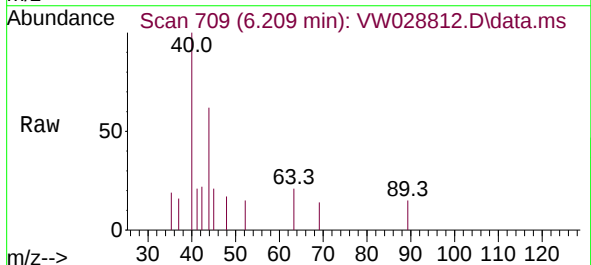
RT: 6.209 min Scan# 709

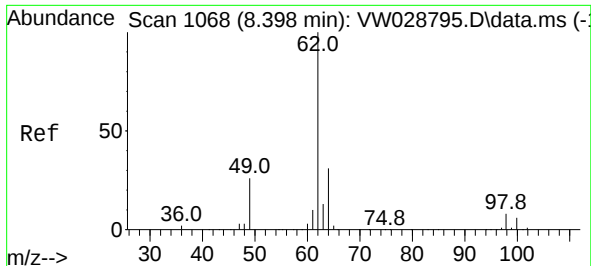
Delta R.T. -0.006 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

Tgt Ion:	63	Resp:	48
Ion	Ratio	Lower	Upper
63	100		
65	0.0	22.9	42.5#
83	0.0	9.0	16.8#





#27

1,2-Dichloroethane

Concen: 0.858 ug/L

RT: 8.349 min Scan# 1060

Delta R.T. -0.049 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

Instrument :

MSVOA_W

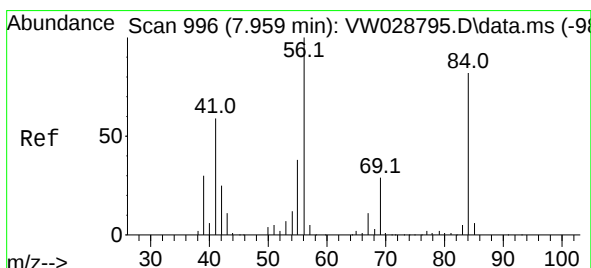
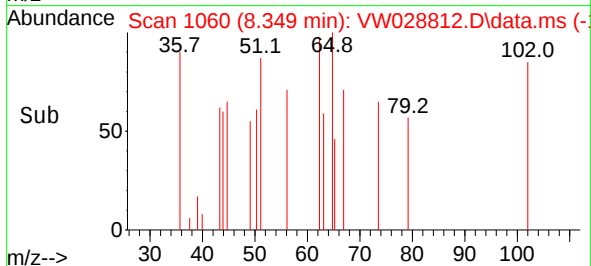
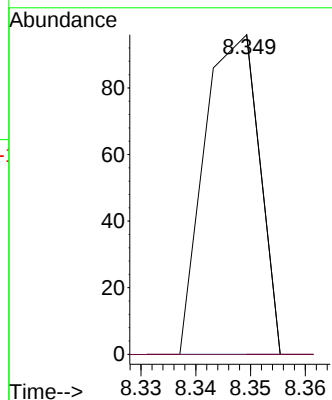
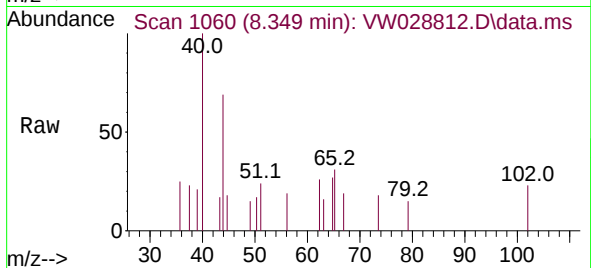
ClientSampleId :

Tgt Ion: 62 Resp: 67

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#29

Cyclohexane

Concen: 0.582 ug/L

RT: 7.990 min Scan# 1001

Delta R.T. 0.030 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

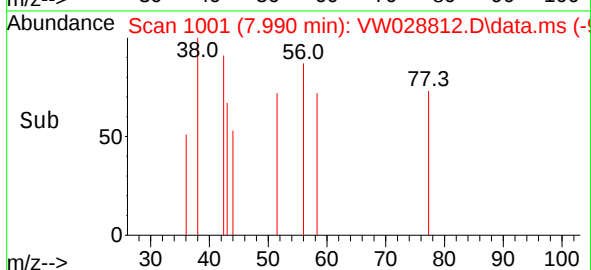
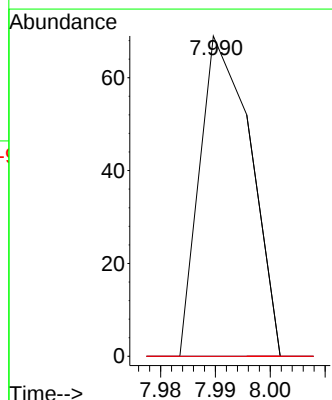
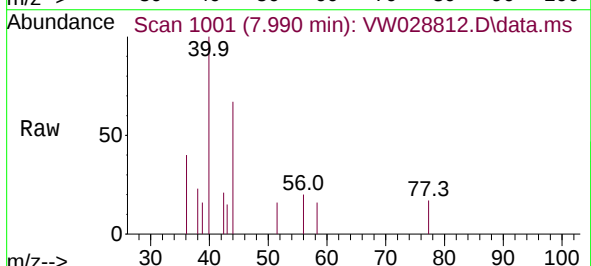
Tgt Ion: 56 Resp: 44

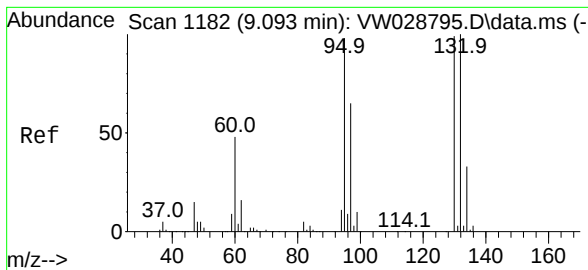
Ion Ratio Lower Upper

56 100

69 0.0 23.4 35.0#

84 0.0 65.8 98.8#





#34

Trichloroethene

Concen: 2.647 ug/L

RT: 8.843 min Scan# 1141

Delta R.T. -0.250 min

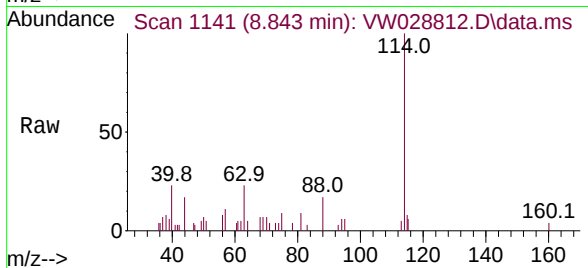
Lab File: VW028812.D

Acq: 26 May 2024 01:16

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 122

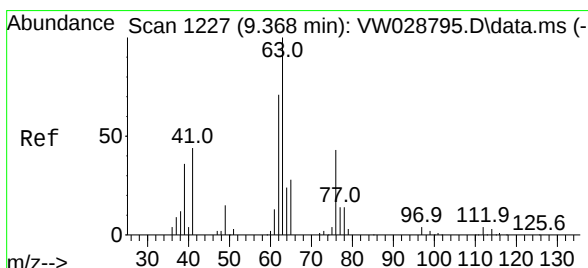
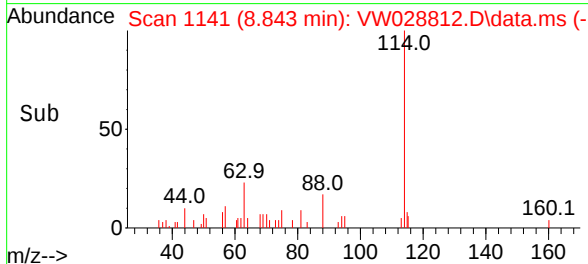
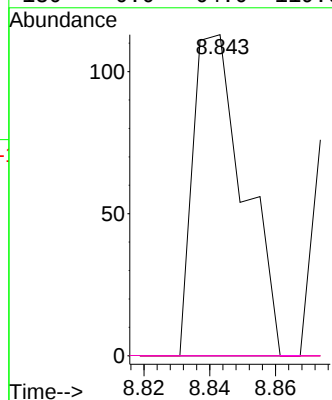
Ion Ratio Lower Upper

95 100

97 0.0 44.9 83.3#

132 0.0 59.7 110.9#

130 0.0 64.0 119.0#



#37

1,2-Dichloropropane

Concen: 1.674 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028812.D

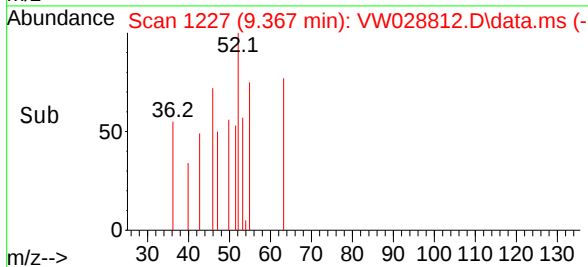
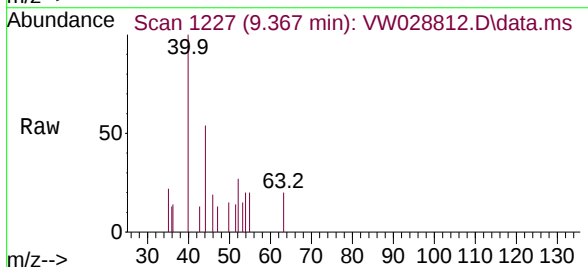
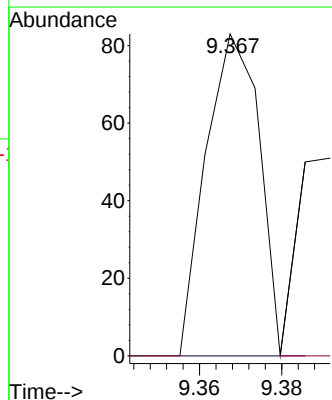
Acq: 26 May 2024 01:16

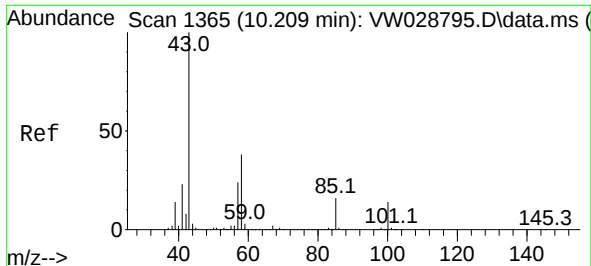
Tgt Ion: 63 Resp: 75

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#





#40

4-Methyl-2-pentanone

Concen: 1.246 ug/L

RT: 10.209 min Scan# 14

Delta R.T. -0.000 min

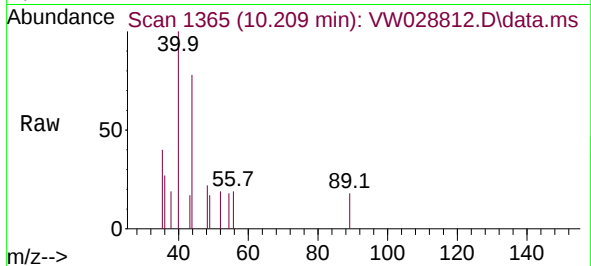
Lab File: VW028812.D

Acq: 26 May 2024 01:16

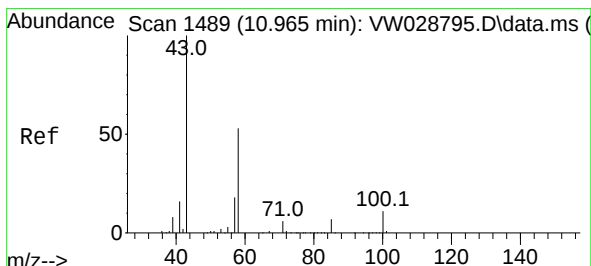
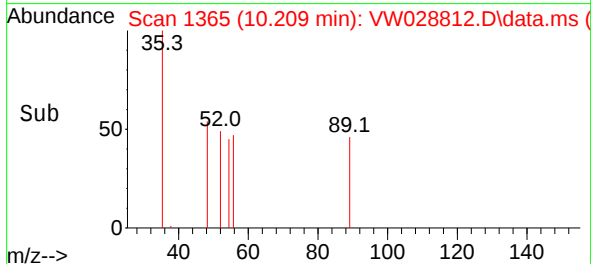
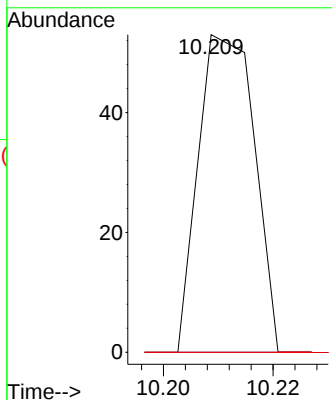
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43	Resp:	38
Ion Ratio	Lower	Upper
43	100	
58	0.0	29.2 43.8#
100	0.0	11.0 16.4#



#48

2-Hexanone

Concen: 4.971 ug/L

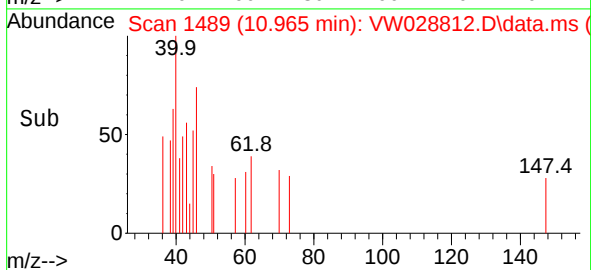
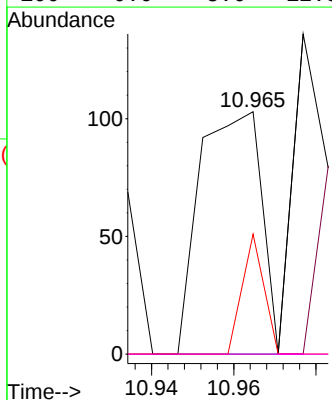
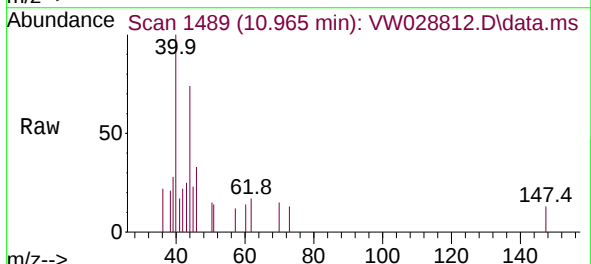
RT: 10.965 min Scan# 1489

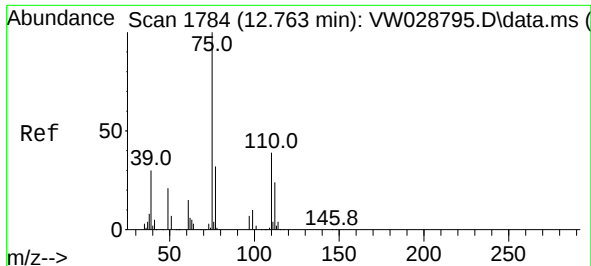
Delta R.T. -0.000 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

Tgt Ion: 43	Resp:	107
Ion Ratio	Lower	Upper
43	100	
58	0.0	41.0 61.4#
57	0.0	14.8 22.2#
100	0.0	8.6 12.8#





#61

1,2,3-Trichloropropane

Concen: 2.706 ug/L

RT: 12.599 min Scan# 1

Delta R.T. -0.165 min

Lab File: VW028812.D

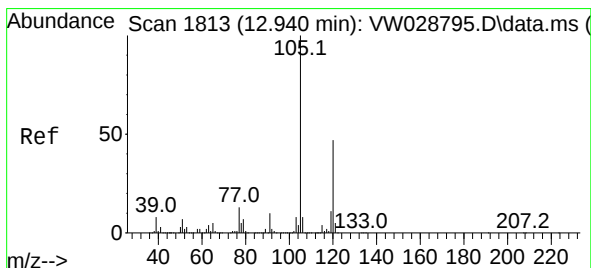
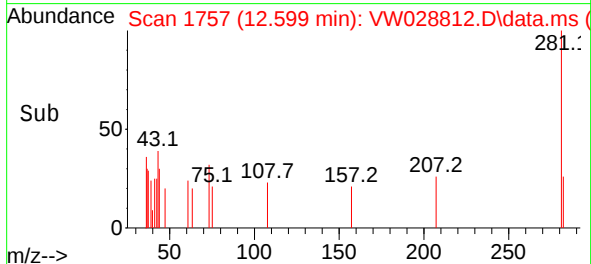
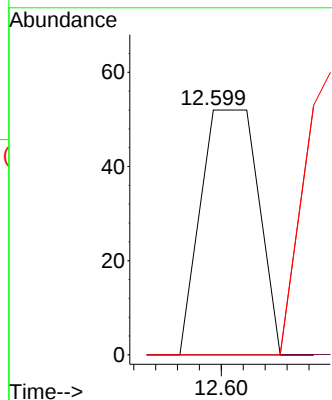
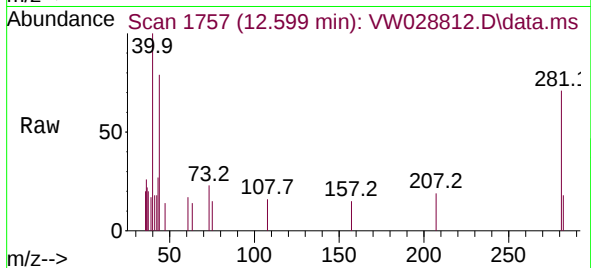
Acq: 26 May 2024 01:16

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 38
Ion Ratio	Lower Upper
75	100
77	0.0 25.9 38.9#
110	115.8 30.6 45.8#



#62

1,3,5-Trimethylbenzene

Concen: 0.625 ug/L

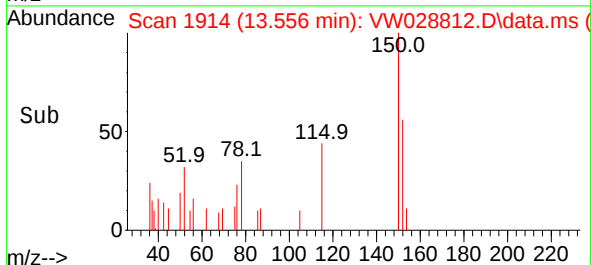
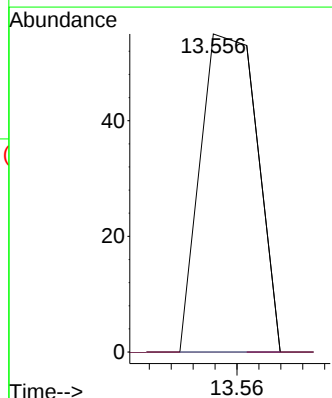
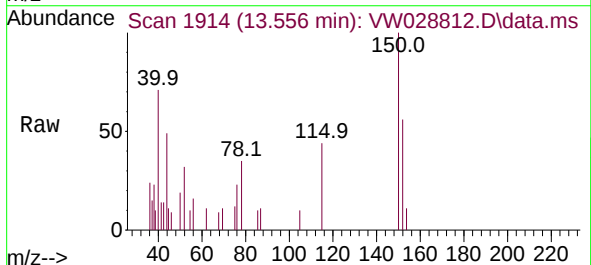
RT: 13.556 min Scan# 1914

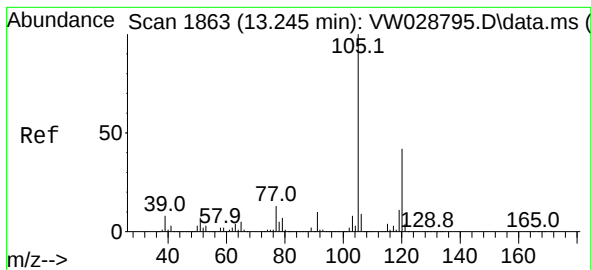
Delta R.T. 0.616 min

Lab File: VW028812.D

Acq: 26 May 2024 01:16

Tgt Ion: 105	Resp: 39
Ion Ratio	Lower Upper
105	100
120	0.0 37.4 56.2#





#63

1,2,4-Trimethylbenzene

Concen: 0.580 ug/L

RT: 13.556 min Scan# 11

Delta R.T. 0.311 min

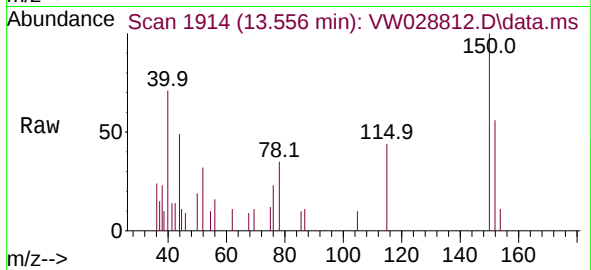
Lab File: VW028812.D

Acq: 26 May 2024 01:16

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:105 Resp: 39

Ion Ratio Lower Upper

105 100

120 0.0 34.1 51.1#

