

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052424\
 Data File : VW028814.D
 Acq On : 26 May 2024 02:04
 Operator : SY/MD
 Sample : P2590-18
 Misc : 6.11g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 27 02:27:32 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	4232	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.635	117	3193	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	646	25.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.350	65	1701	21.166	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.680%
7) Chloroethane-d5	2.905	69	1758	28.570	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.280%
11) 1,1-Dichloroethene-d2	4.027	65	143	4.259	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	17.040%#
21) 2-Butanone-d5	7.112	46	468	22.322	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	44.640%
24) Chloroform-d	7.648	84	4645	35.127	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	140.520%
26) 1,2-Dichloroethane-d4	8.313	65	2776	36.668	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	146.680%#
32) Benzene-d6	8.282	84	7236	33.966	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	135.880%#
36) 1,2-Dichloropropane-d6	9.276	67	2772	43.242	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	172.960%#
41) Toluene-d8	10.325	98	4099	21.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.920%
43) trans-1,3-Dichloroprop...	10.587	79	112	4.343	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	17.360%#
47) 2-Hexanone-d5	10.934	63	205	18.541	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	37.080%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	2575	47.903	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	191.600%#
66) 1,2-Dichlorobenzene-d4	13.854	152	968	39.315	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	157.240%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.235	85	41	0.667	ug/L #	47
3) Chloromethane	2.216	50	76	0.998	ug/L #	43
5) Vinyl chloride	2.338	62	204	2.378	ug/L	98
8) Chloroethane	2.942	64	20	0.409	ug/L #	44
15) Methyl Acetate	4.862	43	91	2.742	ug/L	95
17) trans-1,2-Dichloroethene	5.447	96	26	0.429	ug/L #	41
19) 1,1-Dichloroethane	6.222	63	48	0.399	ug/L #	49
22) 2-Butanone	7.160	43	161	6.576	ug/L	93
25) Chloroform	7.892	83	40	0.344	ug/L #	19
27) 1,2-Dichloroethane	8.392	62	65	0.769	ug/L #	76
29) Cyclohexane	8.051	56	46	0.505	ug/L #	1
34) Trichloroethene	8.849	95	34	0.612	ug/L #	9
35) Methylcyclohexane	9.282	83	736	7.587	ug/L #	19
37) 1,2-Dichloropropane	9.300	63	31	0.575	ug/L #	87
38) Bromodichloromethane	9.636	83	42	0.639	ug/L #	26
39) cis-1,3-Dichloropropene	10.087	75	40	0.517	ug/L #	43
40) 4-Methyl-2-pentanone	10.203	43	48	1.307	ug/L #	46
48) 2-Hexanone	10.959	43	70	2.700	ug/L #	81
53) m,p-Xylene	11.739	106	44	0.496	ug/L #	1

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

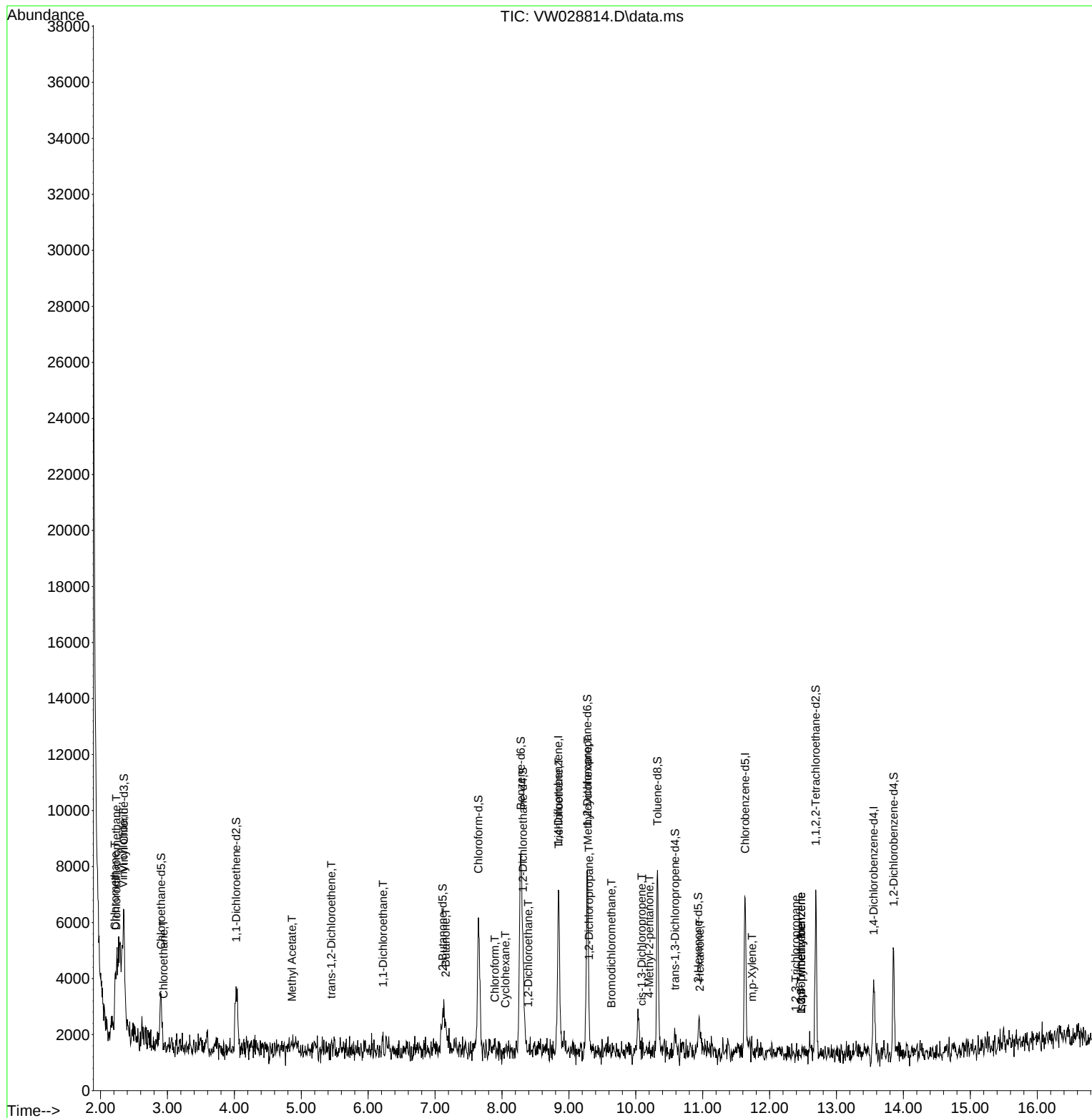
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.471	105	41	0.418	ug/L #	1
61) 1,2,3-Trichloropropane	12.391	75	20	1.281	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.471	105	41	0.591	ug/L #	30
63) 1,2,4-Trimethylbenzene	12.471	105	41	0.549	ug/L #	33

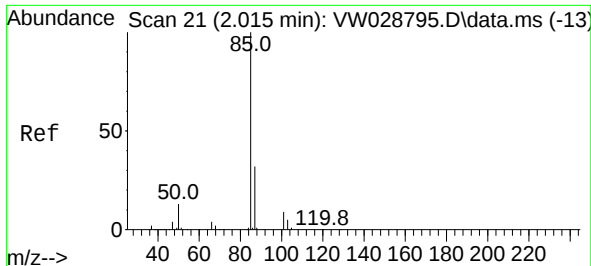
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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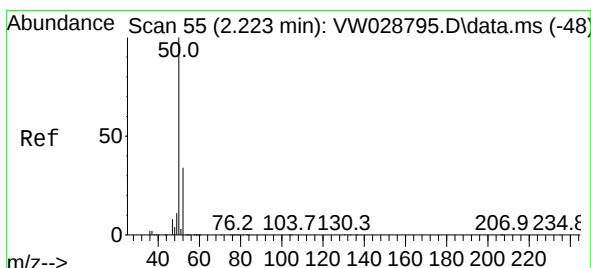
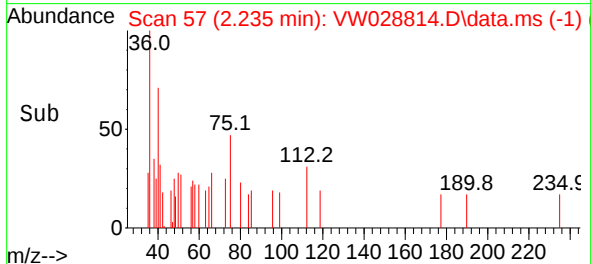
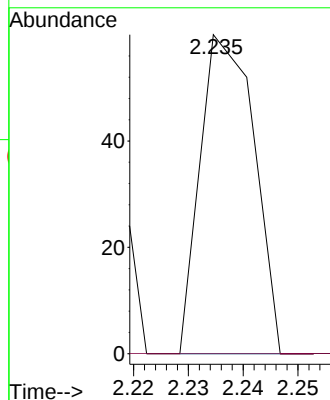
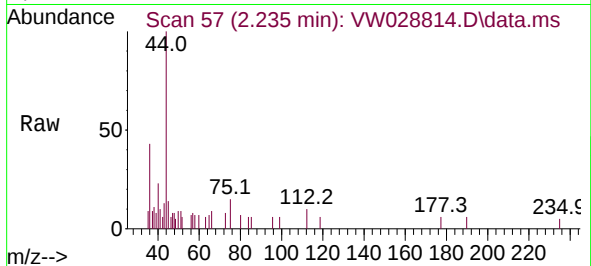




#2
Dichlorodifluoromethane
Concen: 0.667 ug/L
RT: 2.235 min Scan# 51
Delta R.T. 0.219 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

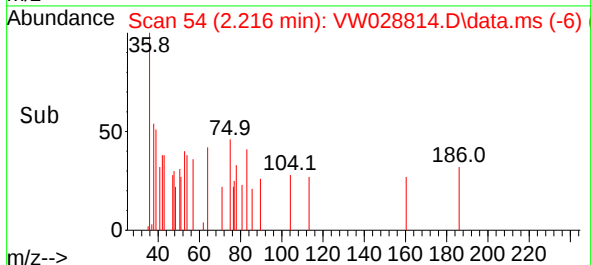
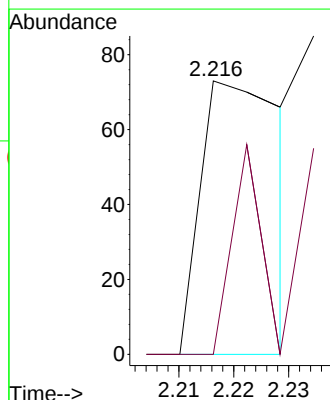
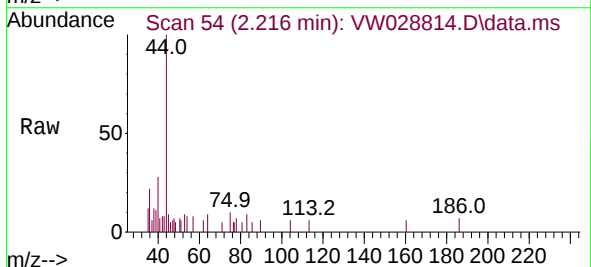
Instrument :
MSVOA_W
ClientSampleId :

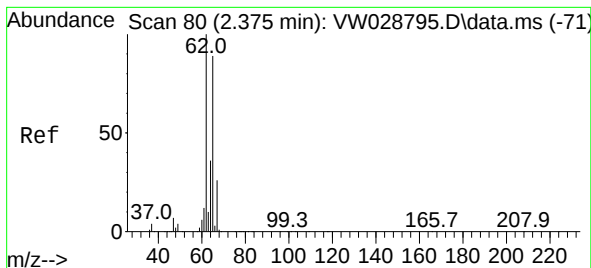
Tgt Ion: 85 Resp: 41
Ion Ratio Lower Upper
85 100
87 0.0 21.9 32.9#



#3
Chloromethane
Concen: 0.998 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

Tgt Ion: 50 Resp: 76
Ion Ratio Lower Upper
50 100
52 0.0 22.0 41.0#





#5

Vinyl chloride

Concen: 2.378 ug/L

RT: 2.338 min Scan# 74

Delta R.T. -0.037 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Instrument :

MSVOA_W

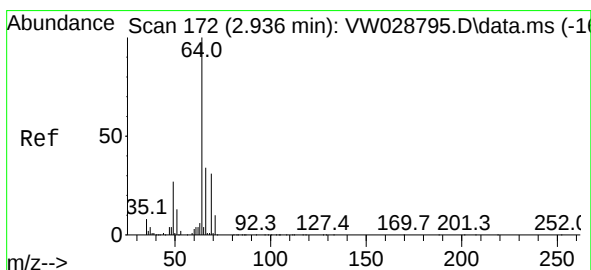
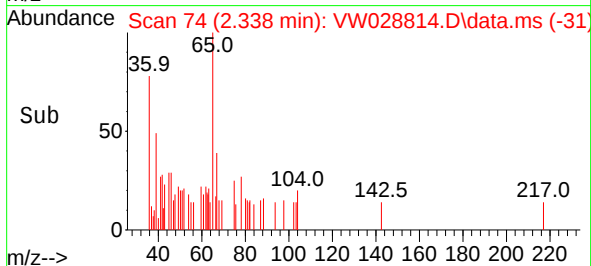
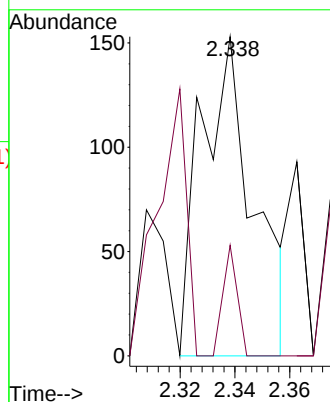
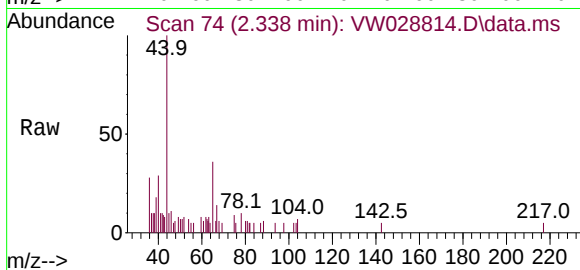
ClientSampleId :

Tgt Ion: 62 Resp: 204

Ion Ratio Lower Upper

62 100

64 34.6 23.3 43.3



#8

Chloroethane

Concen: 0.409 ug/L

RT: 2.942 min Scan# 173

Delta R.T. 0.006 min

Lab File: VW028814.D

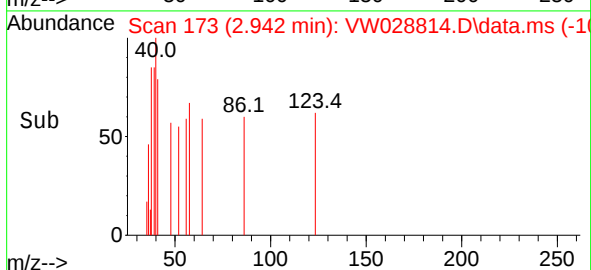
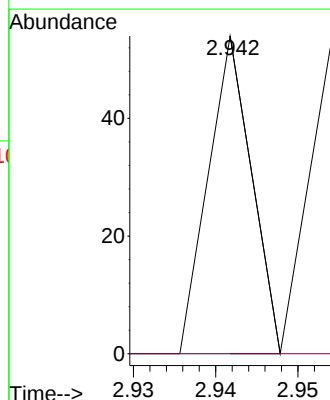
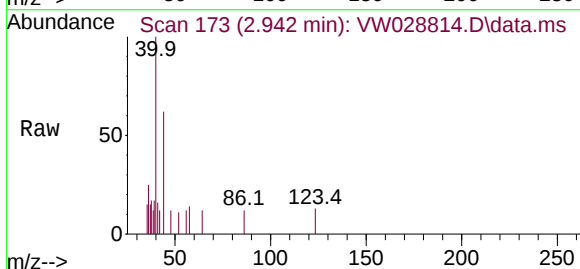
Acq: 26 May 2024 02:04

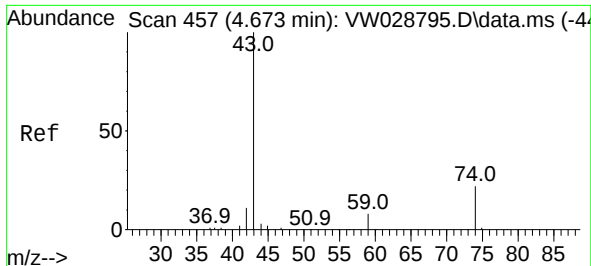
Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

64 100

66 0.0 21.7 40.3#

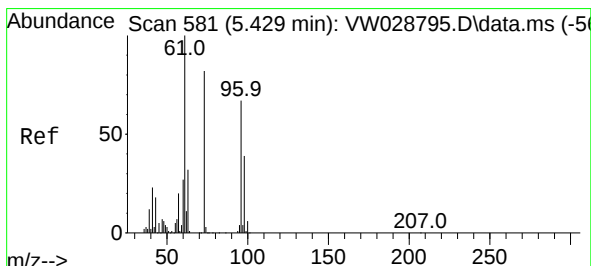
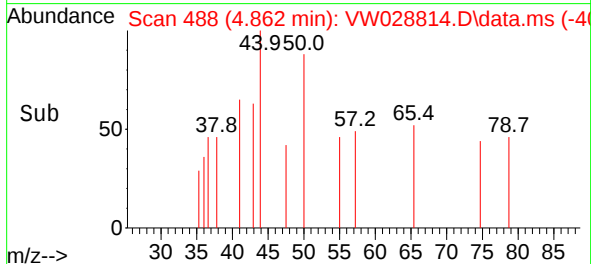
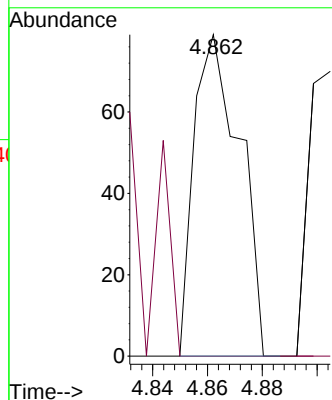
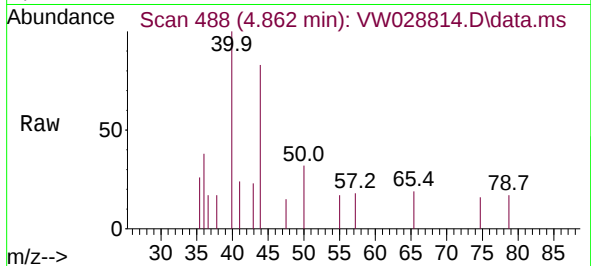




#15
Methyl Acetate
Concen: 2.742 ug/L
RT: 4.862 min Scan# 41
Delta R.T. 0.189 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

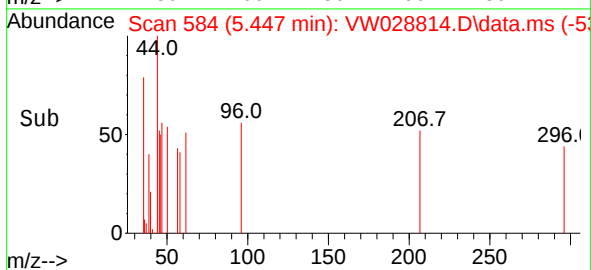
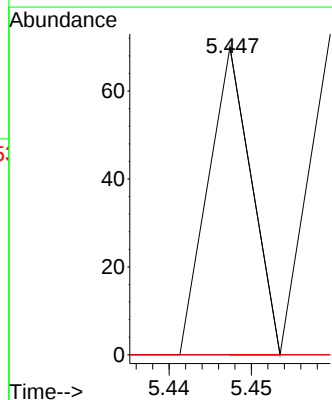
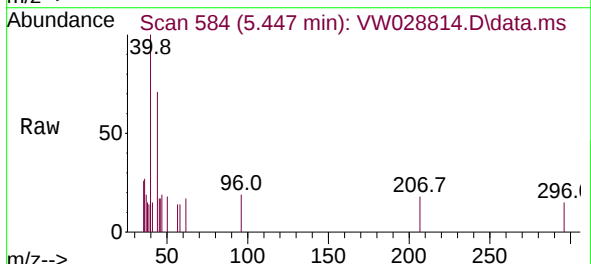
Instrument :
MSVOA_W
ClientSampleId :

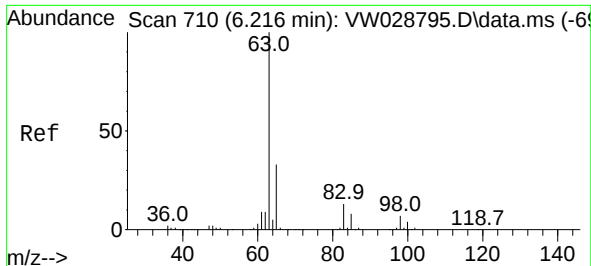
Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 24.2 17.6 26.4



#17
trans-1,2-Dichloroethene
Concen: 0.429 ug/L
RT: 5.447 min Scan# 584
Delta R.T. 0.018 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

Tgt Ion: 96 Resp: 26
Ion Ratio Lower Upper
96 100
61 91.4 109.0 202.4#
98 0.0 44.2 82.0#

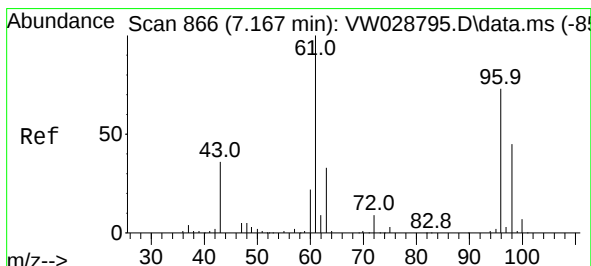
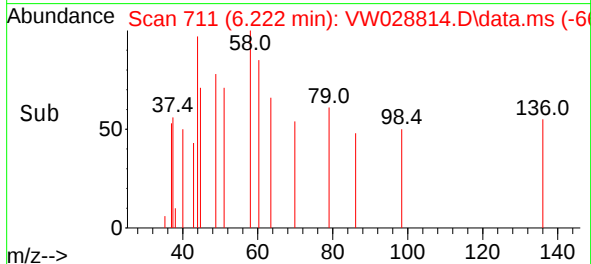
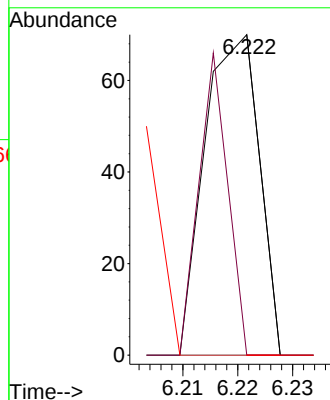
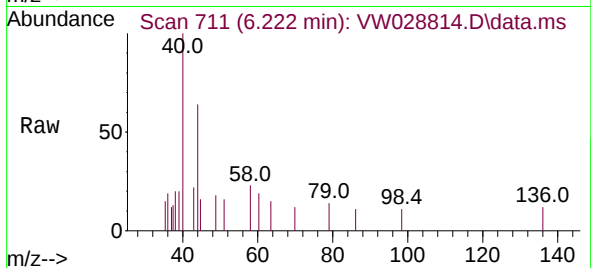




#19
1,1-Dichloroethane
Concen: 0.399 ug/L
RT: 6.222 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

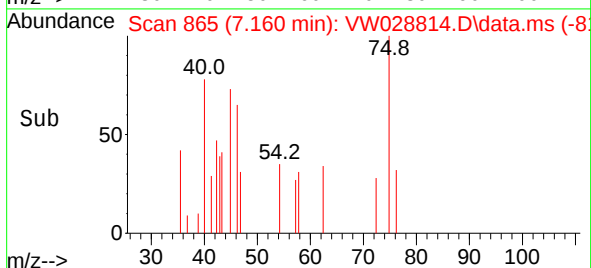
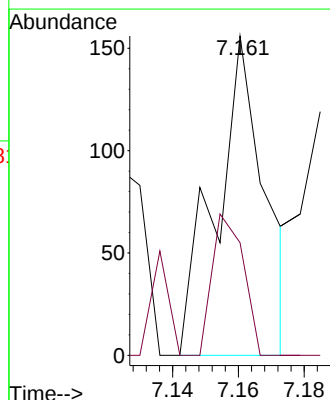
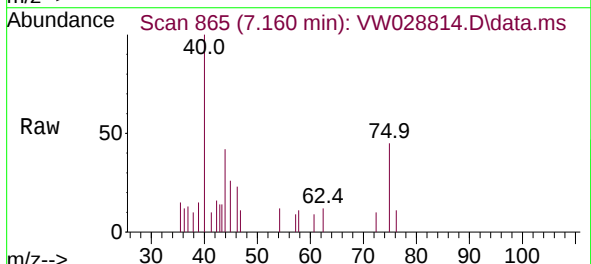
Instrument :
MSVOA_W
ClientSampleId :

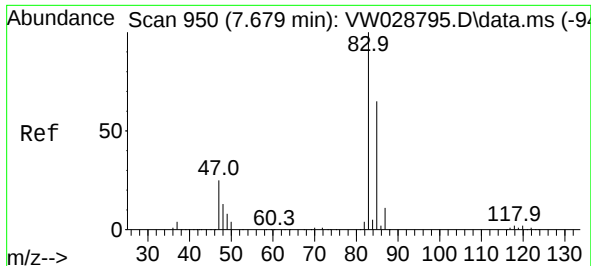
Tgt Ion: 63 Resp: 48
Ion Ratio Lower Upper
63 100
65 0.0 22.9 42.5#
83 0.0 9.0 16.8#



#22
2-Butanone
Concen: 6.576 ug/L
RT: 7.160 min Scan# 865
Delta R.T. -0.006 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
72 28.0 12.2 36.6





#25

Chloroform

Concen: 0.344 ug/L

RT: 7.892 min Scan# 90

Delta R.T. 0.213 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Instrument :

MSVOA_W

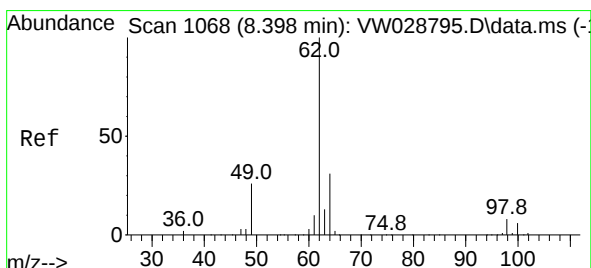
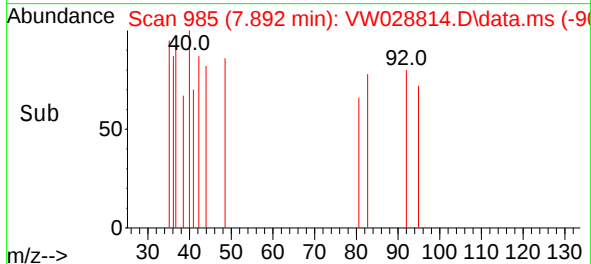
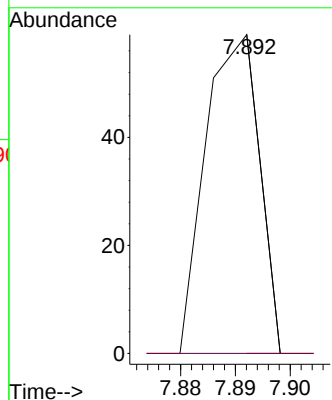
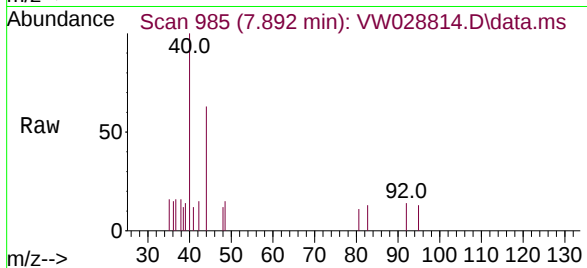
ClientSampleId :

Tgt Ion: 83 Resp: 40

Ion Ratio Lower Upper

83 100

85 0.0 43.4 80.6#



#27

1,2-Dichloroethane

Concen: 0.769 ug/L

RT: 8.392 min Scan# 1067

Delta R.T. -0.006 min

Lab File: VW028814.D

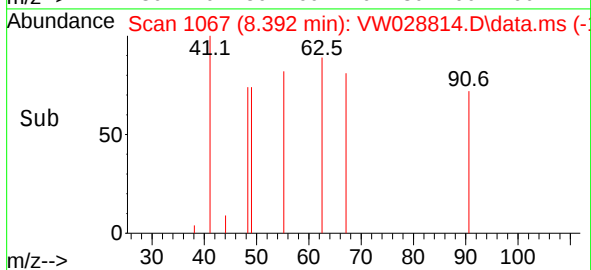
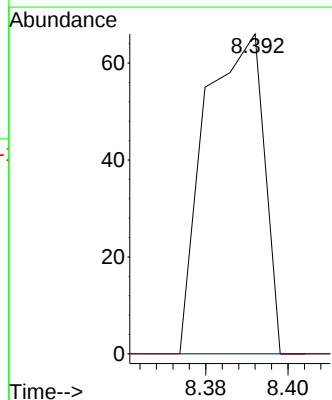
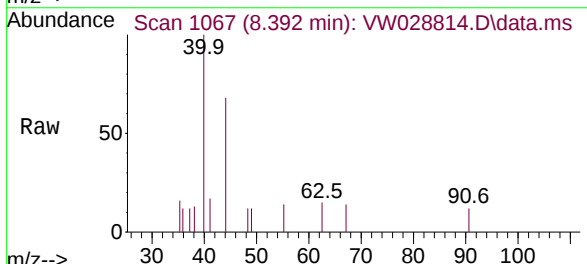
Acq: 26 May 2024 02:04

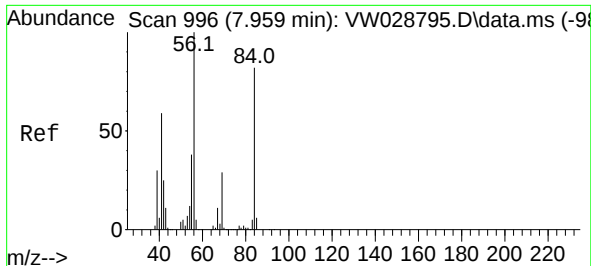
Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#





#29

Cyclohexane

Concen: 0.505 ug/L

RT: 8.051 min Scan# 1

Delta R.T. 0.091 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Instrument :

MSVOA_W

ClientSampleId :

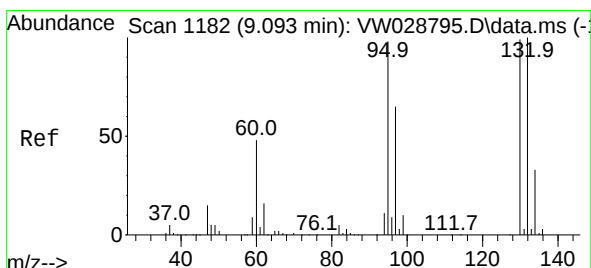
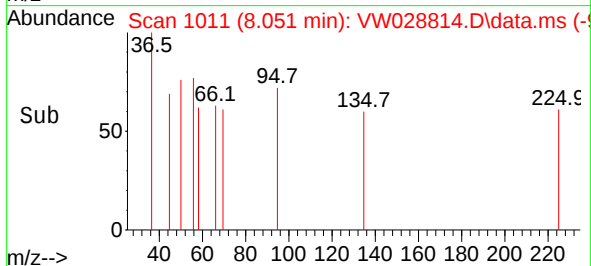
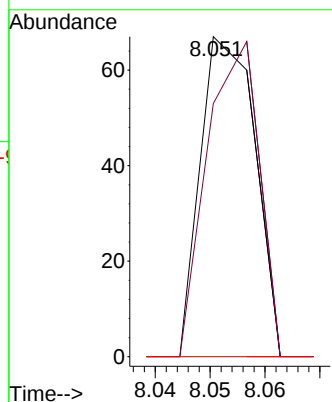
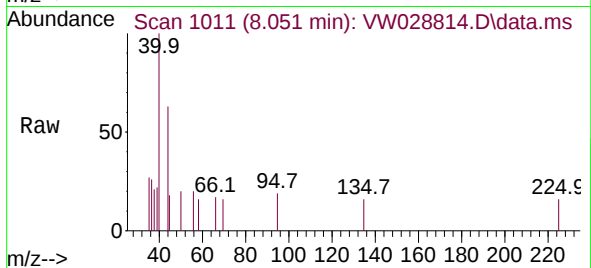
Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

69 95.7 23.4 35.0#

84 0.0 65.8 98.8#



#34

Trichloroethene

Concen: 0.612 ug/L

RT: 8.849 min Scan# 1142

Delta R.T. -0.244 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Tgt Ion: 95 Resp: 34

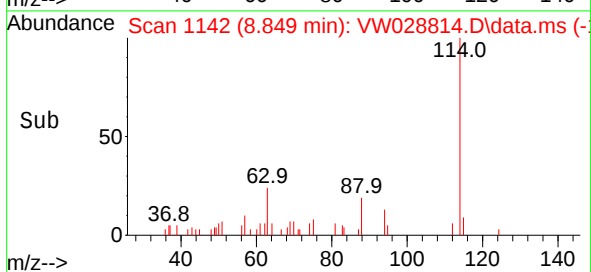
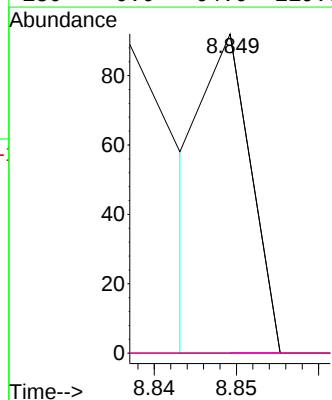
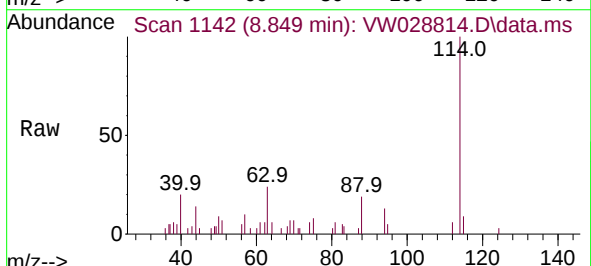
Ion Ratio Lower Upper

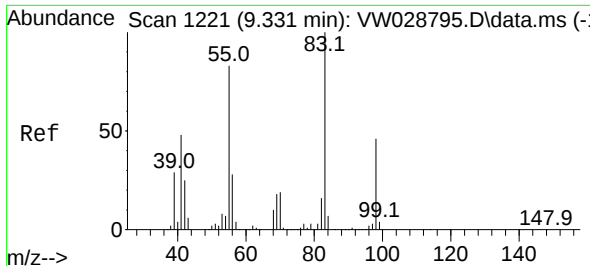
95 100

97 0.0 44.9 83.3#

132 0.0 59.7 110.9#

130 0.0 64.0 119.0#





#35

Methylcyclohexane

Concen: 7.587 ug/L

RT: 9.282 min Scan# 1213

Delta R.T. -0.049 min

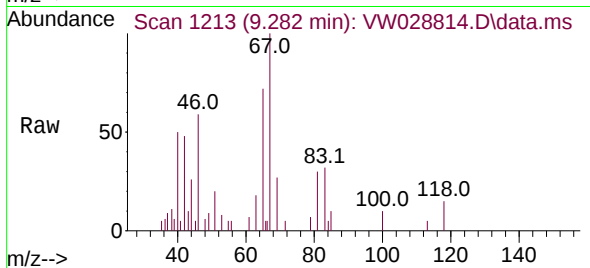
Lab File: VW028814.D

Acq: 26 May 2024 02:04

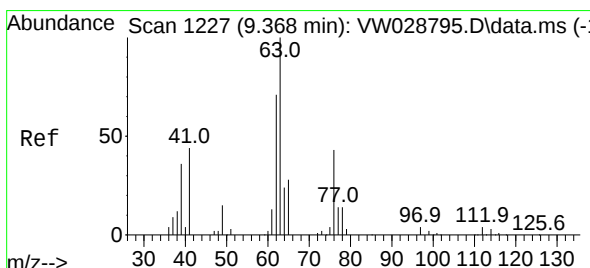
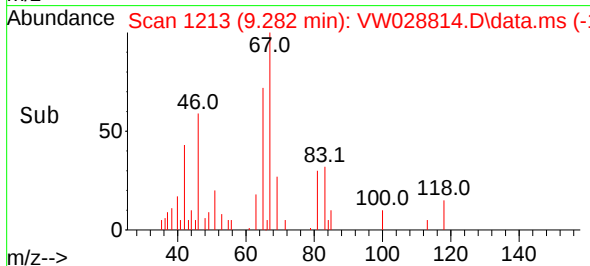
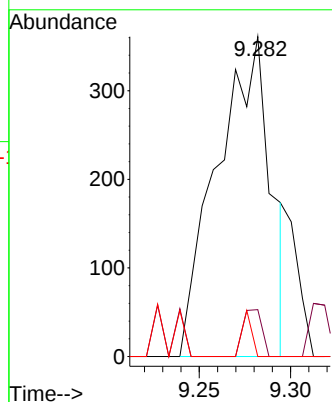
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	83	Resp:	736
Ion	Ratio	Lower	Upper
83	100		
55	5.2	66.9	100.3#
98	0.0	37.9	56.9#



#37

1,2-Dichloropropane

Concen: 0.575 ug/L

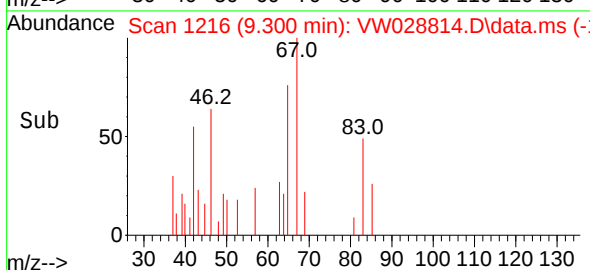
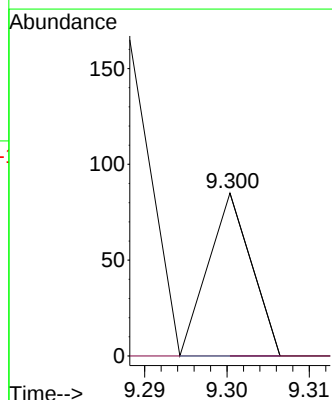
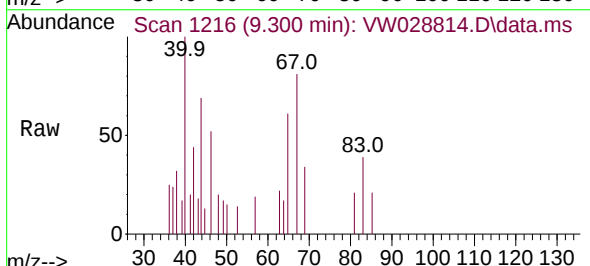
RT: 9.300 min Scan# 1216

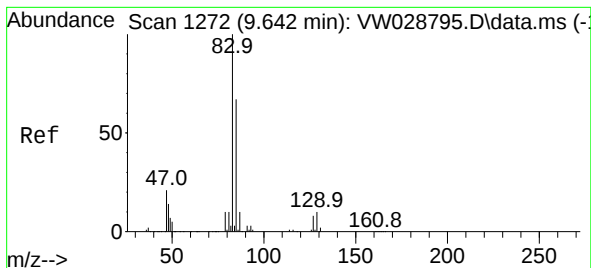
Delta R.T. -0.067 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Tgt Ion:	63	Resp:	31
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#





#38

Bromodichloromethane

Concen: 0.639 ug/L

RT: 9.636 min Scan# 1271

Delta R.T. -0.006 min

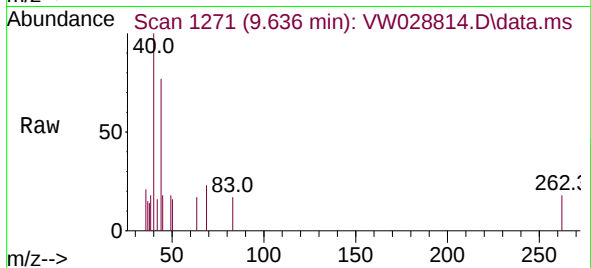
Lab File: VW028814.D

Acq: 26 May 2024 02:04

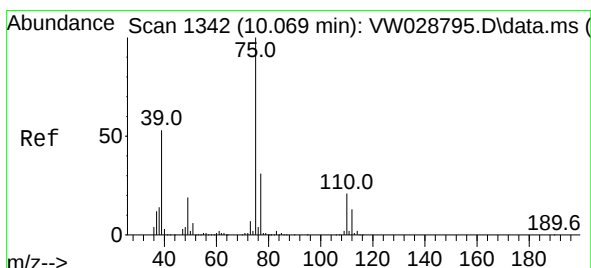
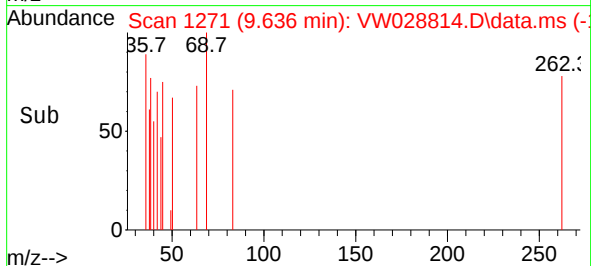
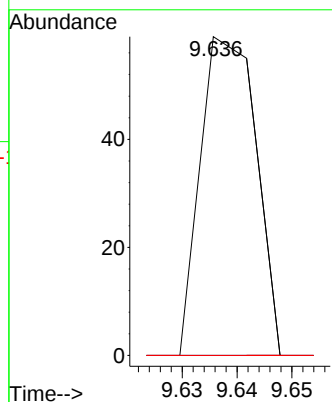
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	83	Resp:	42
Ion	Ratio	Lower	Upper
83	100		
85	0.0	43.0	80.0#
127	0.0	5.9	8.9#



#39

cis-1,3-Dichloropropene

Concen: 0.517 ug/L

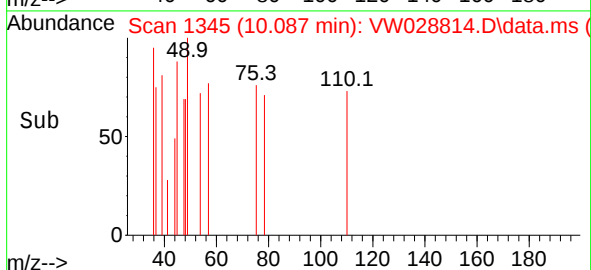
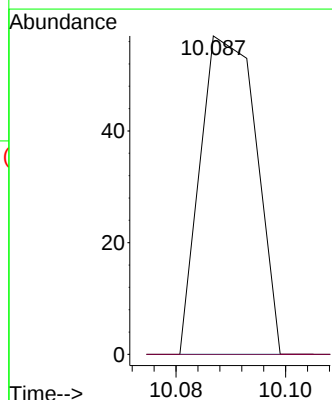
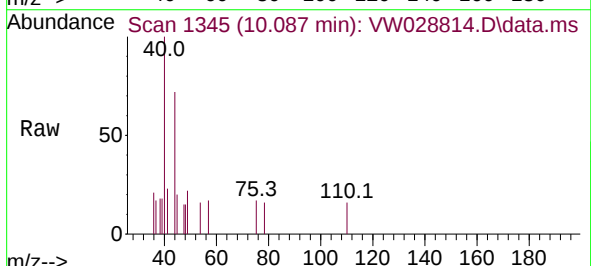
RT: 10.087 min Scan# 1345

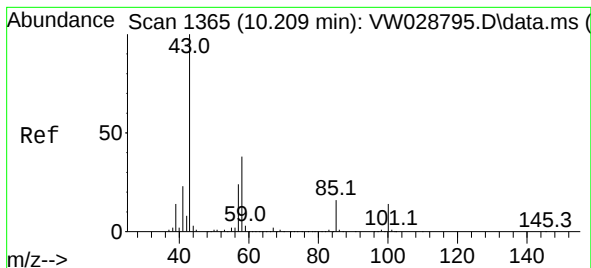
Delta R.T. 0.018 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Tgt Ion:	75	Resp:	40
Ion	Ratio	Lower	Upper
75	100		
77	0.0	21.8	40.6#

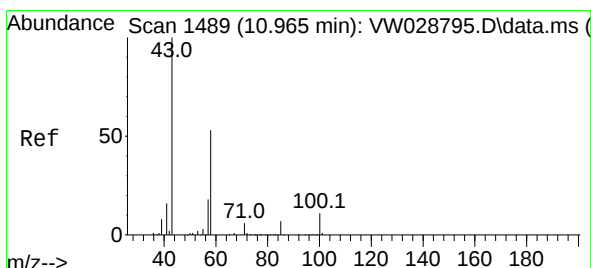
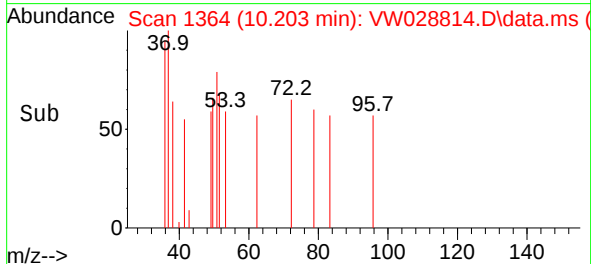
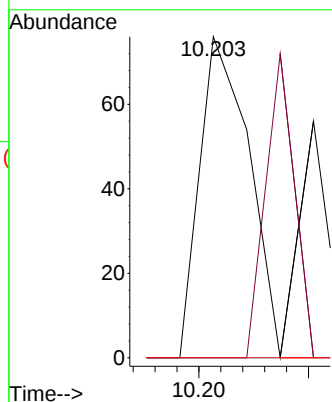
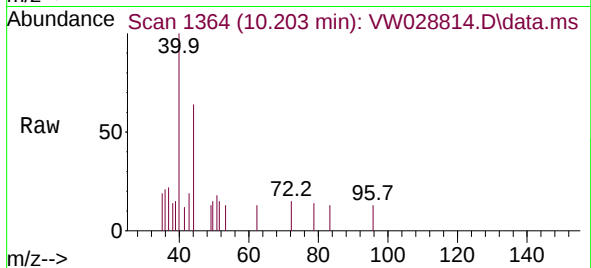




#40
4-Methyl-2-pentanone
Concen: 1.307 ug/L
RT: 10.203 min Scan# 1487
Delta R.T. -0.006 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

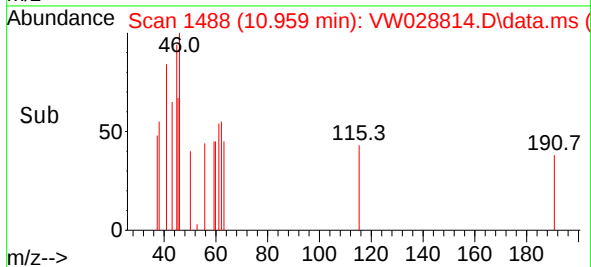
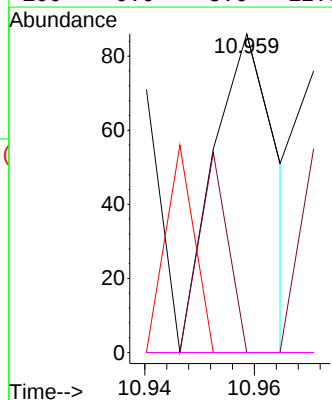
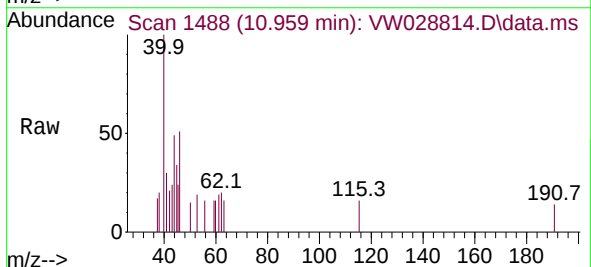
Instrument :
MSVOA_W
ClientSampleId :

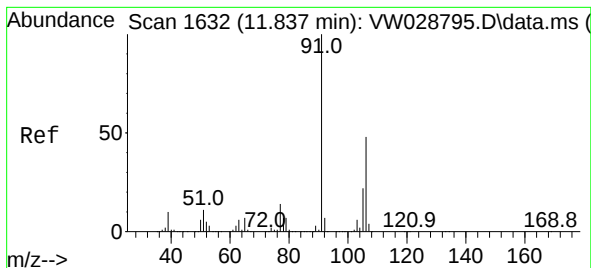
Tgt Ion:	43	Resp:	48
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.2	43.8#
100	0.0	11.0	16.4#



#48
2-Hexanone
Concen: 2.700 ug/L
RT: 10.959 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VW028814.D
Acq: 26 May 2024 02:04

Tgt Ion:	43	Resp:	70
Ion	Ratio	Lower	Upper
43	100		
58	57.1	41.0	61.4
57	0.0	14.8	22.2#
100	0.0	8.6	12.8#





#53

m,p-Xylene

Concen: 0.496 ug/L

RT: 11.739 min Scan# 1

Delta R.T. -0.098 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Instrument :

MSVOA_W

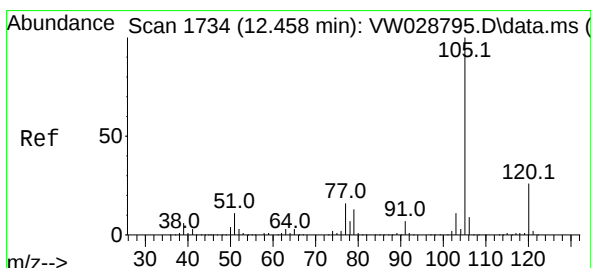
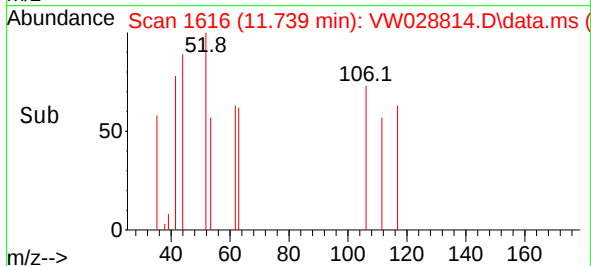
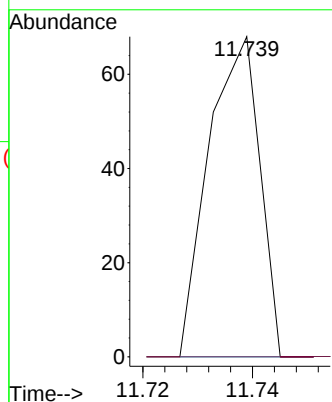
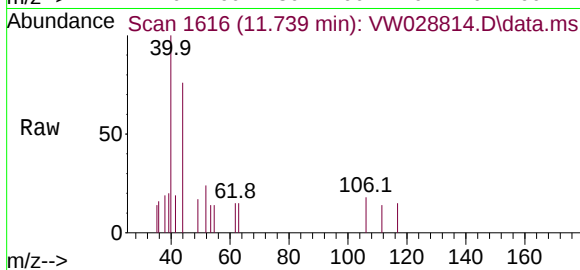
ClientSampleId :

Tgt Ion:106 Resp: 44

Ion Ratio Lower Upper

106 100

91 0.0 146.6 272.2#



#60

Isopropylbenzene

Concen: 0.418 ug/L

RT: 12.471 min Scan# 1736

Delta R.T. 0.012 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

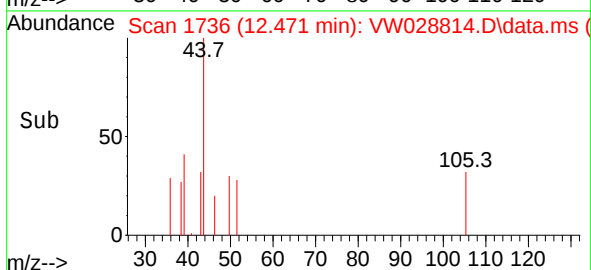
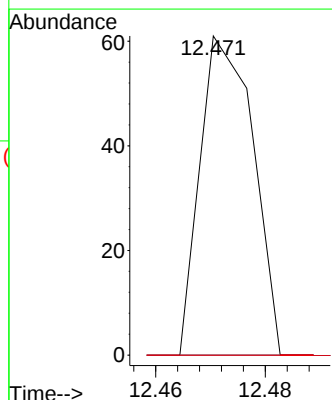
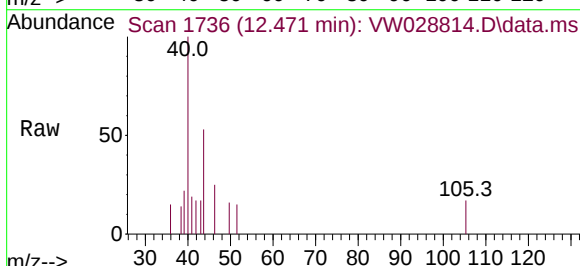
Tgt Ion:105 Resp: 41

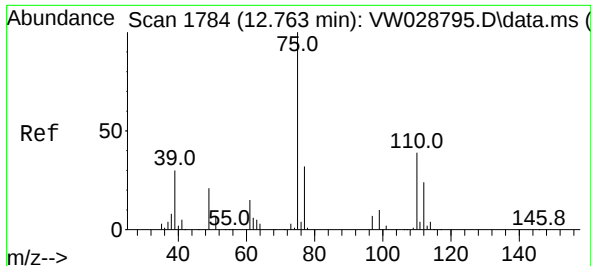
Ion Ratio Lower Upper

105 100

120 0.0 20.5 30.7#

77 168.3 13.4 20.2#





#61

1,2,3-Trichloropropane

Concen: 1.281 ug/L

RT: 12.391 min Scan# 1736

Delta R.T. -0.372 min

Lab File: VW028814.D

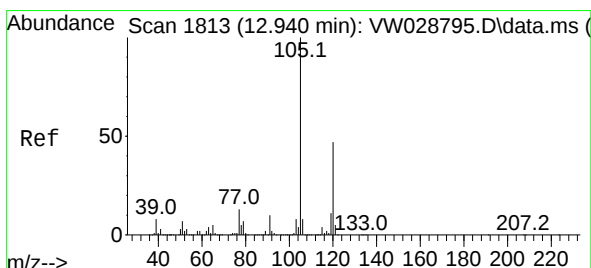
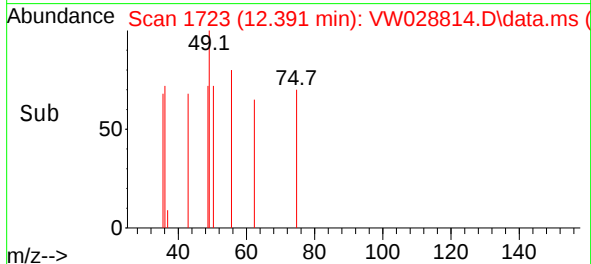
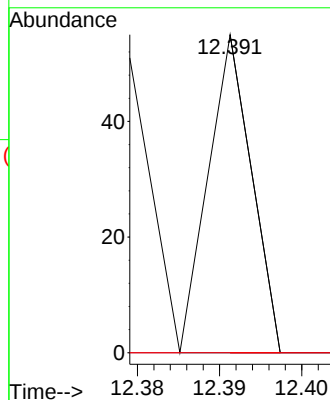
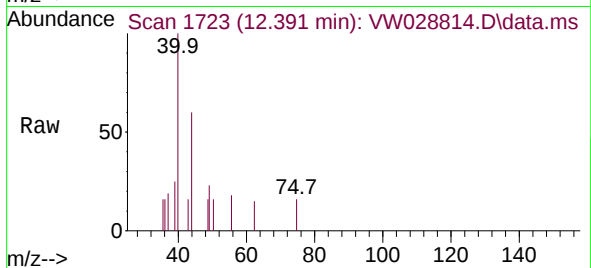
Acq: 26 May 2024 02:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75	Resp: 20
Ion Ratio	Lower Upper
75	100
77	345.0 25.9 38.9#
110	235.0 30.6 45.8#



#62

1,3,5-Trimethylbenzene

Concen: 0.591 ug/L

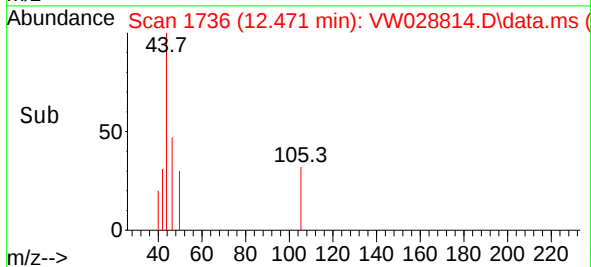
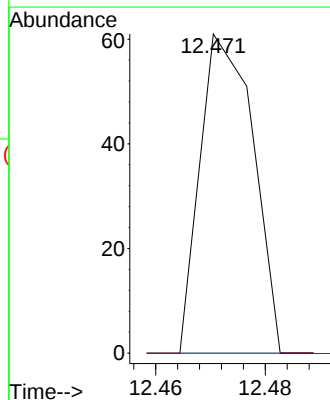
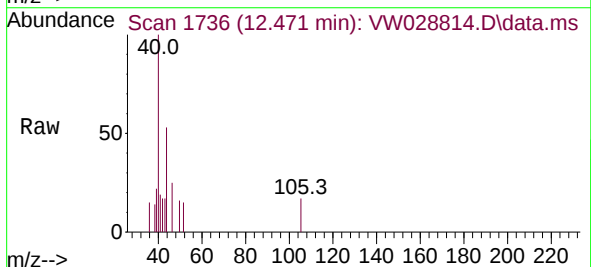
RT: 12.471 min Scan# 1736

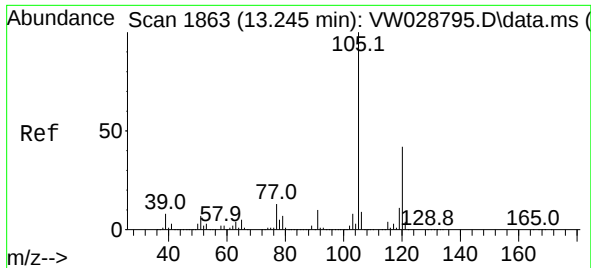
Delta R.T. -0.470 min

Lab File: VW028814.D

Acq: 26 May 2024 02:04

Tgt Ion: 105	Resp: 41
Ion Ratio	Lower Upper
105	100
120	0.0 37.4 56.2#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.549 ug/L
 RT: 12.471 min Scan# 11
 Delta R.T. -0.774 min
 Lab File: VW028814.D
 Acq: 26 May 2024 02:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:105 Resp: 41
 Ion Ratio Lower Upper
 105 100
 120 0.0 34.1 51.1#

