

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102423\
 Data File : VW027427.D
 Acq On : 24 Oct 2023 19:21
 Operator : SY/MD
 Sample : 04961-11
 Misc : 5.49g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 01:34:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 25 01:28:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	496913	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	405558	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	142049	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	85527	11.278	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.120%
7) Chloroethane-d5	2.899	69	70896	13.020	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.080%
11) 1,1-Dichloroethene-d2	4.027	65	42462	11.174	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.680%#
21) 2-Butanone-d5	7.081	46	77396	30.705	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.400%
24) Chloroform-d	7.648	84	199510	13.471	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	53.880%
26) 1,2-Dichloroethane-d4	8.307	65	107525	13.515	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	54.080%#
32) Benzene-d6	8.276	84	385265	14.041	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	56.160%
36) 1,2-Dichloropropane-d6	9.276	67	143928	17.173	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	68.680%#
41) Toluene-d8	10.325	98	345836	13.899	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	55.600%
43) trans-1,3-Dichloroprop...	10.581	79	50976	13.340	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	53.360%
47) 2-Hexanone-d5	10.922	63	59798	34.486	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.980%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	105164	16.818	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.280%
66) 1,2-Dichlorobenzene-d4	13.855	152	67791	13.169	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	52.680%#
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	347694	159.706	ug/L	53
25) Chloroform	7.630	83	50790	3.798	ug/L #	23
29) Cyclohexane	7.923	56	87124	7.075	ug/L #	49
35) Methylcyclohexane	9.301	83	193150	15.427	ug/L #	33
37) 1,2-Dichloropropane	9.386	63	5270	0.735	ug/L #	1
38) Bromodichloromethane	9.624	83	147742	16.766	ug/L #	33
40) 4-Methyl-2-pentanone	10.252	43	483424	98.087	ug/L #	75
45) 1,1,2-Trichloroethane	10.764	97	468067	94.912	ug/L #	33
48) 2-Hexanone	10.934	43	370377	101.534	ug/L #	21
52) Ethylbenzene	11.727	91	72740	2.251	ug/L	98
53) m,p-Xylene	11.837	106	42750	3.488	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.690	83	12392	2.058	ug/L #	1
60) Isopropylbenzene	12.458	105	688977	30.875	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	22827	1.226	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	67010	3.679	ug/L	97
67) 1,2-Dichlorobenzene	13.861	146	5473	0.682	ug/L #	59
68) 1,2-Dibromo-3-chloropr...	14.489	75	3588	4.629	ug/L #	16
71) Naphthalene	15.360	128	9609	0.935	ug/L #	80

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Quant Title : SFAM01.0
QLast Update : Wed Oct 25 01:28:28 2023
Response via : Initial Calibration

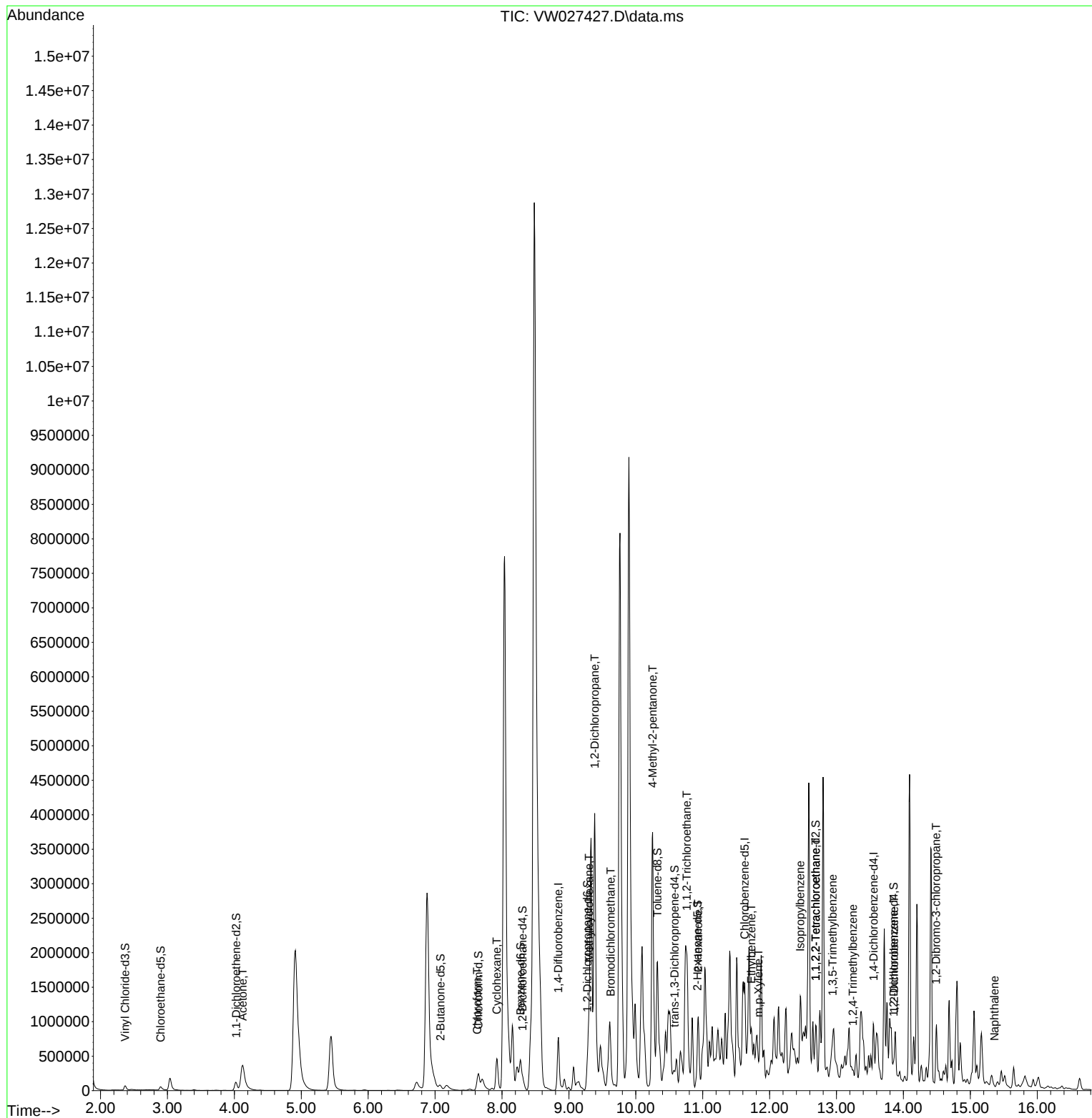
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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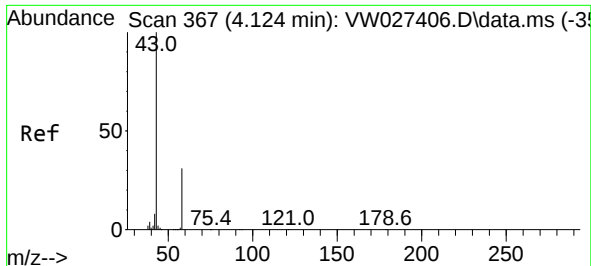
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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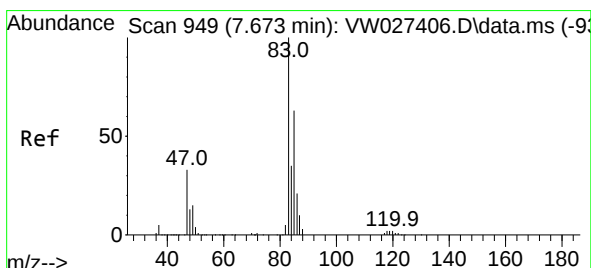
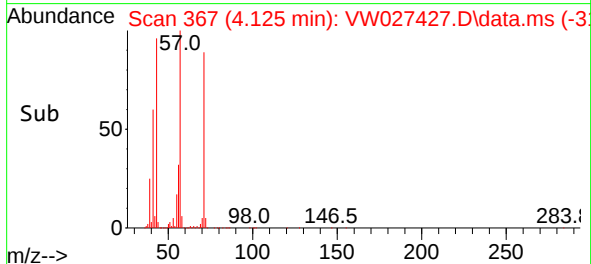
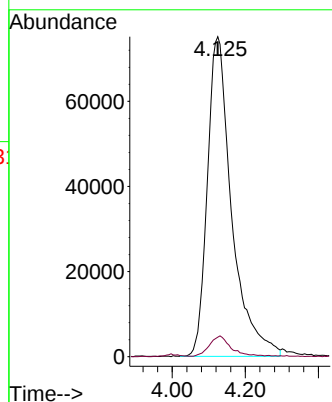
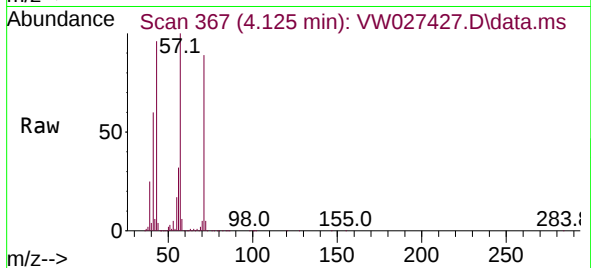




#13
Acetone
Concen: 159.706 ug/L
RT: 4.125 min Scan# 30
Delta R.T. 0.000 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

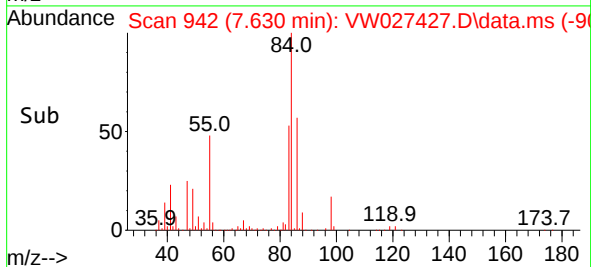
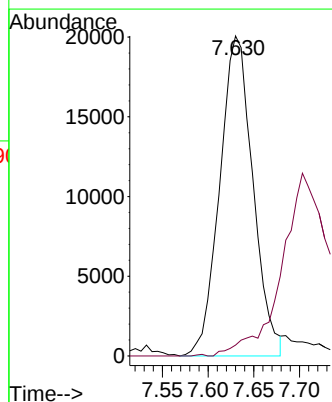
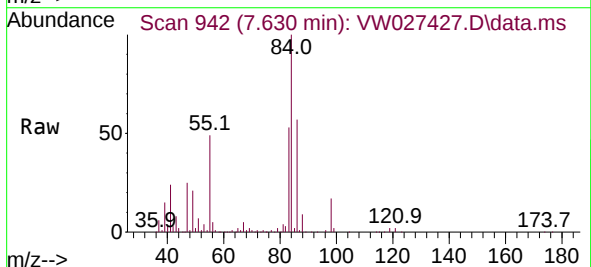
Instrument :
MSVOA_W
ClientSampleId :

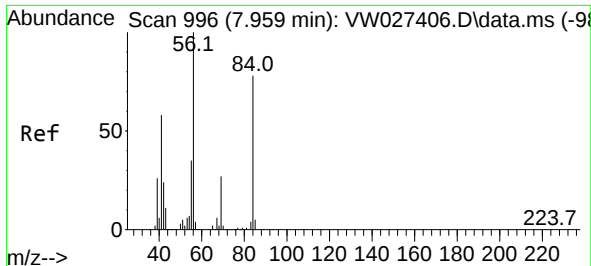
Tgt Ion: 43 Resp: 347694
Ion Ratio Lower Upper
43 100
58 4.8 0.0 60.8



#25
Chloroform
Concen: 3.798 ug/L
RT: 7.630 min Scan# 942
Delta R.T. -0.043 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Tgt Ion: 83 Resp: 50790
Ion Ratio Lower Upper
83 100
85 3.4 44.1 81.9#





#29

Cyclohexane

Concen: 7.075 ug/L

RT: 7.923 min Scan# 996

Delta R.T. -0.036 min

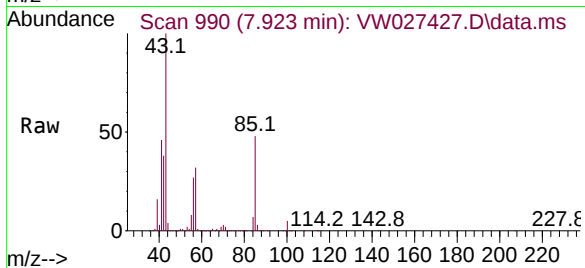
Lab File: VW027427.D

Acq: 24 Oct 2023 19:21

Instrument :

MSVOA_W

ClientSampleId :



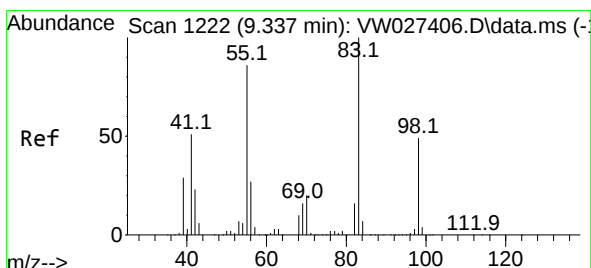
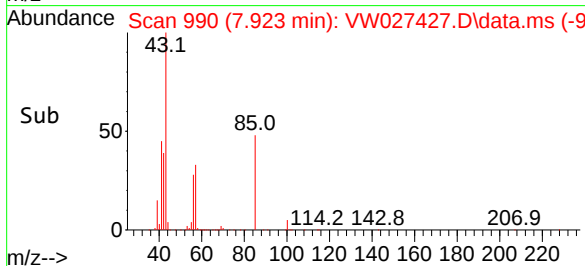
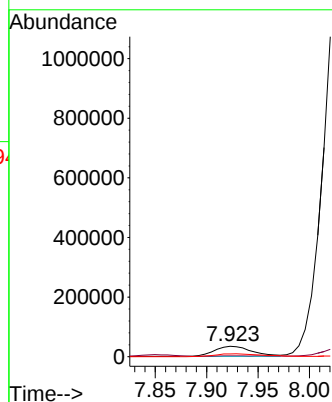
Tgt Ion: 56 Resp: 87124

Ion Ratio Lower Upper

56 100

69 4.0 24.2 36.4#

84 35.4 65.1 97.7#



#35

Methylcyclohexane

Concen: 15.427 ug/L

RT: 9.301 min Scan# 1216

Delta R.T. -0.036 min

Lab File: VW027427.D

Acq: 24 Oct 2023 19:21

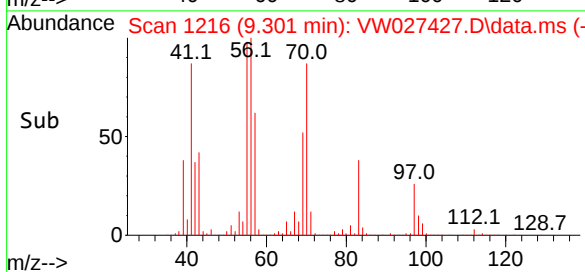
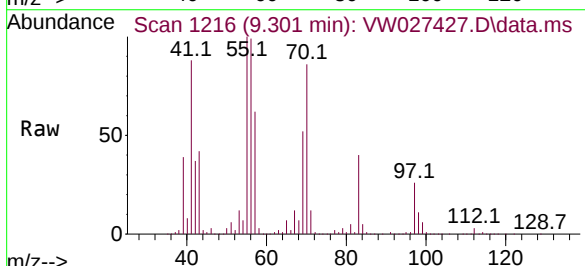
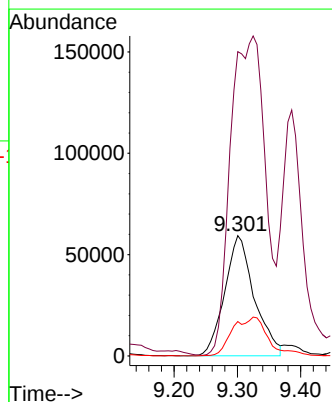
Tgt Ion: 83 Resp: 193150

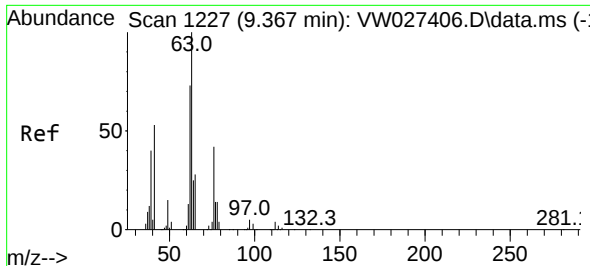
Ion Ratio Lower Upper

83 100

55 150.3 65.8 98.8#

98 13.7 38.1 57.1#

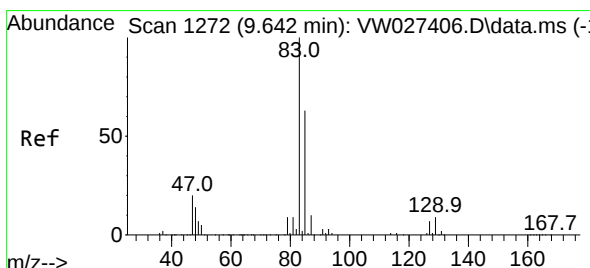
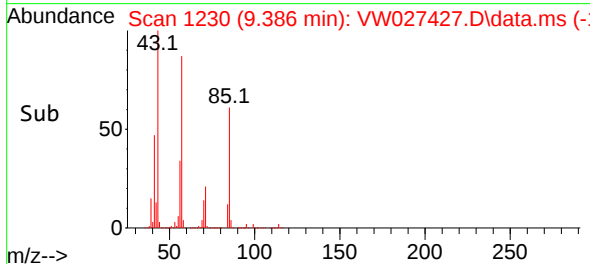
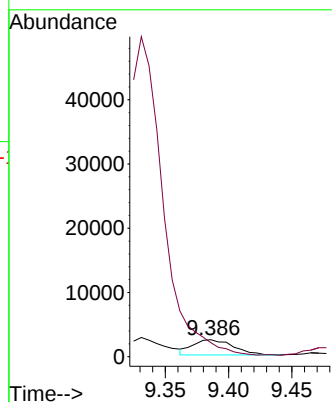
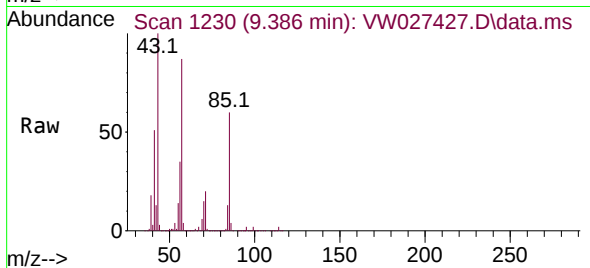




#37
1,2-Dichloropropane
Concen: 0.735 ug/L
RT: 9.386 min Scan# 11
Delta R.T. 0.018 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

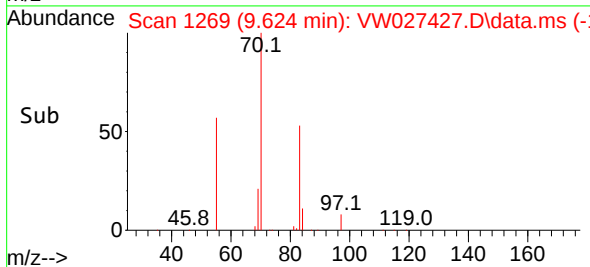
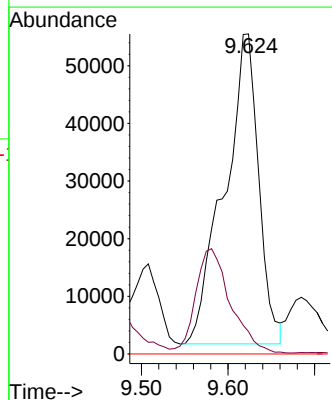
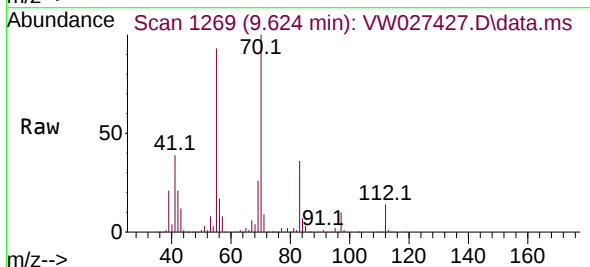
Instrument :
MSVOA_W
ClientSampleId :

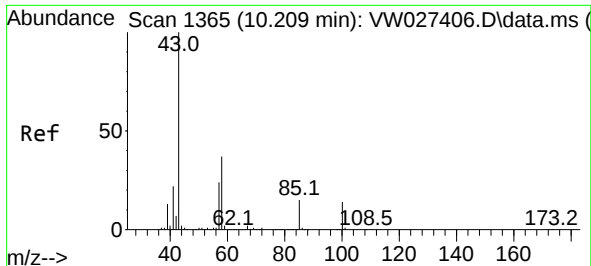
Tgt Ion: 63 Resp: 5270
Ion Ratio Lower Upper
63 100
112 2081.4 3.5 5.3#



#38
Bromodichloromethane
Concen: 16.766 ug/L
RT: 9.624 min Scan# 1269
Delta R.T. -0.018 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Tgt Ion: 83 Resp: 147742
Ion Ratio Lower Upper
83 100
85 7.0 43.9 81.5#
127 0.0 6.2 9.2#

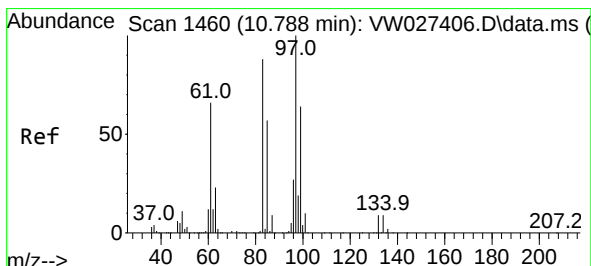
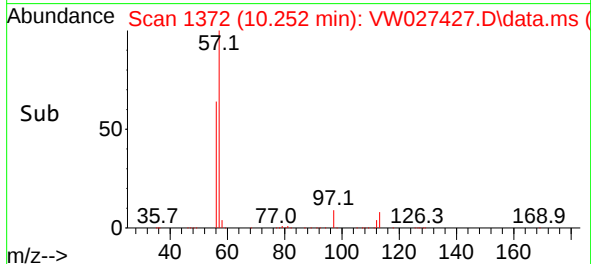
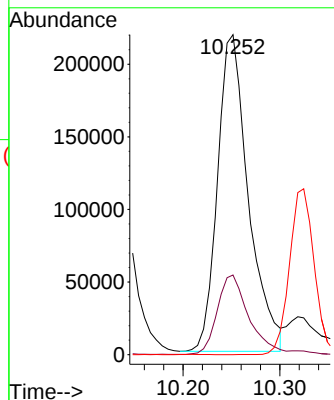
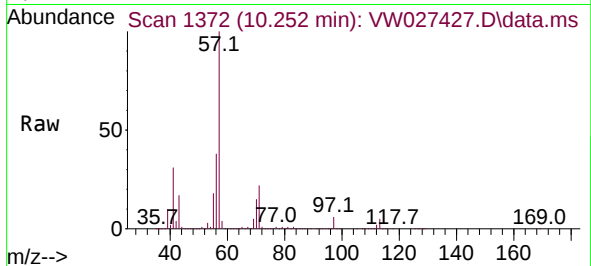




#40
4-Methyl-2-pentanone
Concen: 98.087 ug/L
RT: 10.252 min Scan# 11
Delta R.T. 0.043 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

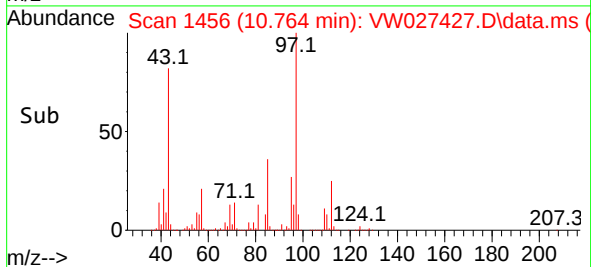
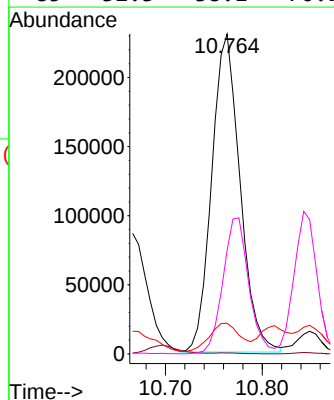
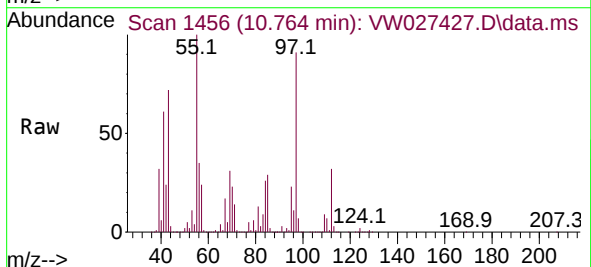
Instrument :
MSVOA_W
ClientSampleId :

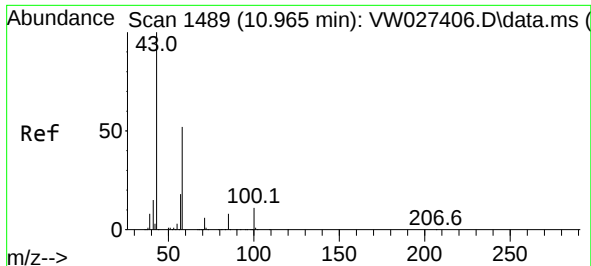
Tgt Ion: 43 Resp: 483424
Ion Ratio Lower Upper
43 100
58 25.4 30.5 45.7#
100 0.0 11.5 17.3#



#45
1,1,2-Trichloroethane
Concen: 94.912 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

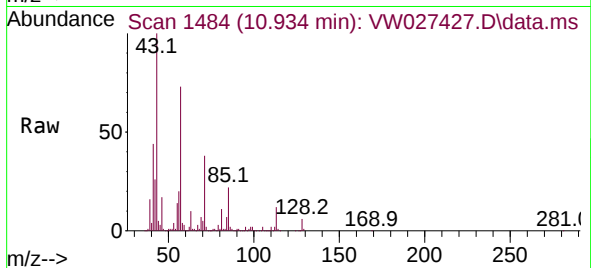
Tgt Ion: 97 Resp: 468067
Ion Ratio Lower Upper
97 100
99 0.3 43.8 81.4#
83 9.6 57.5 106.7#
85 32.3 38.1 70.9#



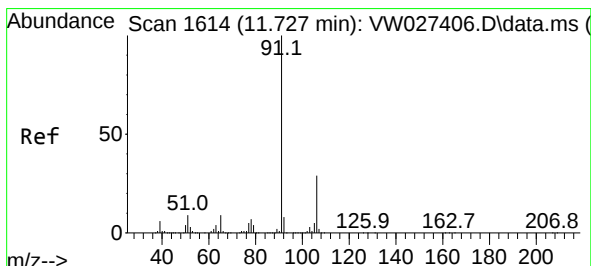
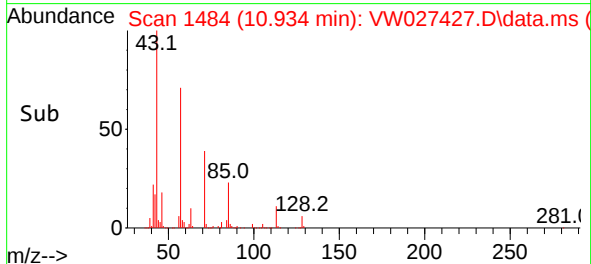
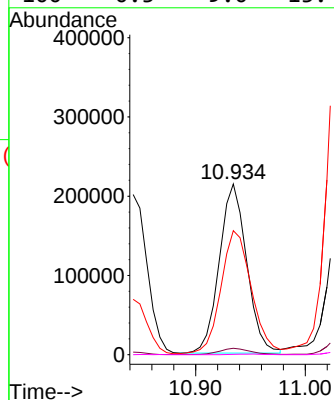


#48
2-Hexanone
Concen: 101.534 ug/L
RT: 10.934 min Scan# 1489
Delta R.T. -0.030 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Instrument :
MSVOA_W
ClientSampleId :

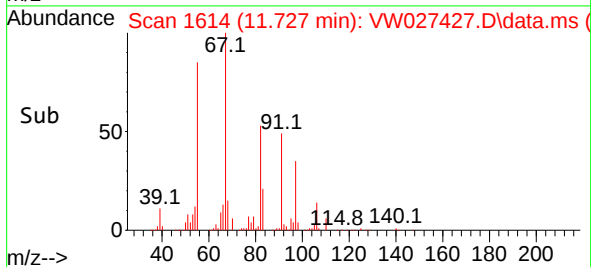
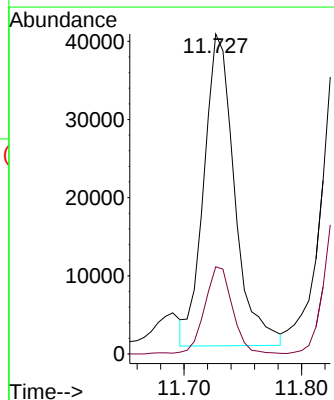
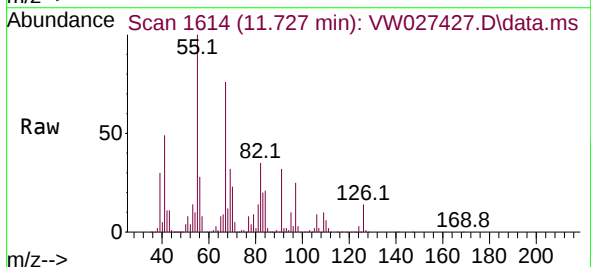


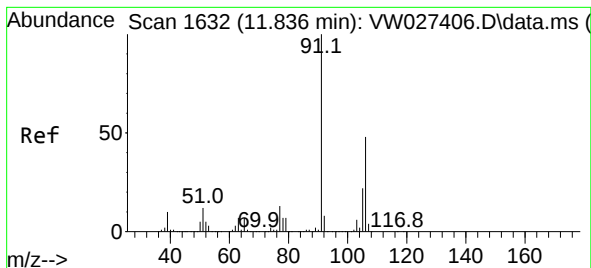
Tgt Ion: 43 Resp: 370377
Ion Ratio Lower Upper
43 100
58 4.2 42.2 63.4#
57 80.5 15.1 22.7#
100 0.3 9.0 13.4#



#52
Ethylbenzene
Concen: 2.251 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Tgt Ion: 91 Resp: 72740
Ion Ratio Lower Upper
91 100
106 27.2 19.8 36.8





#53

m,p-Xylene

Concen: 3.488 ug/L

RT: 11.837 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027427.D

Acq: 24 Oct 2023 19:21

Instrument :

MSVOA_W

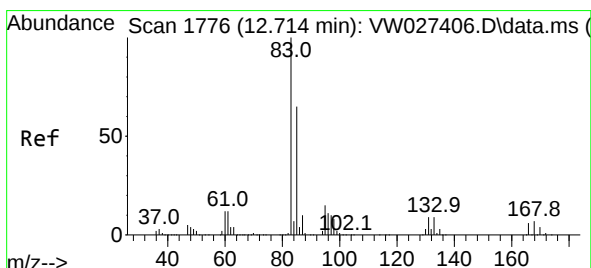
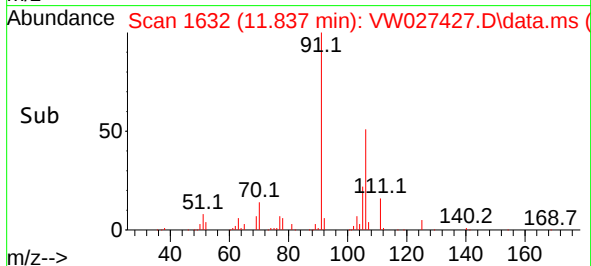
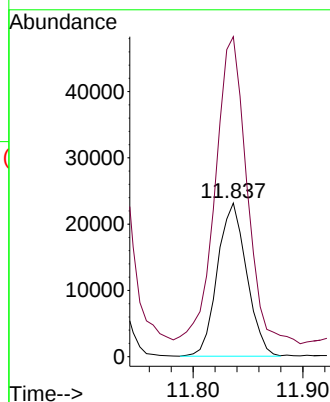
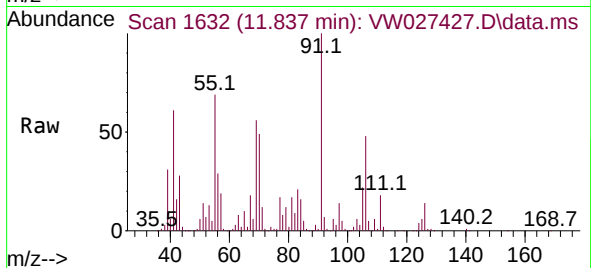
ClientSampleId :

Tgt Ion:106 Resp: 42750

Ion Ratio Lower Upper

106 100

91 208.4 144.5 268.4



#57

1,1,2,2-Tetrachloroethane

Concen: 2.058 ug/L

RT: 12.690 min Scan# 1772

Delta R.T. -0.024 min

Lab File: VW027427.D

Acq: 24 Oct 2023 19:21

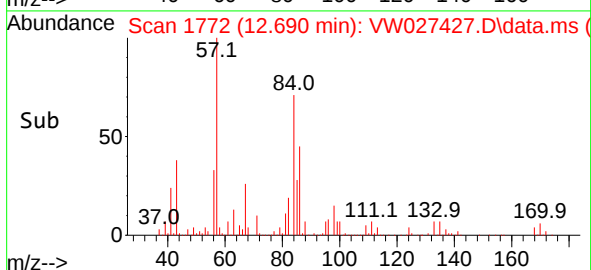
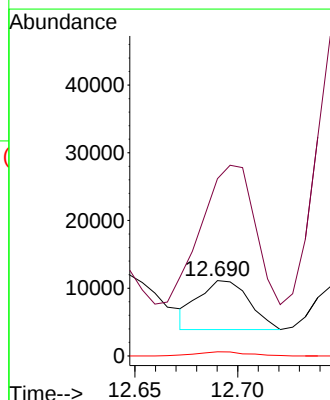
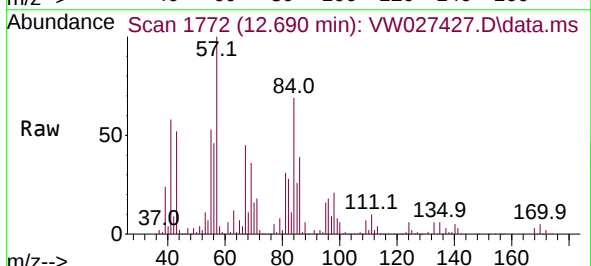
Tgt Ion: 83 Resp: 12392

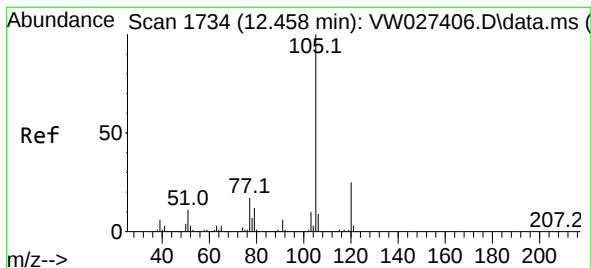
Ion Ratio Lower Upper

83 100

85 235.3 43.2 80.2#

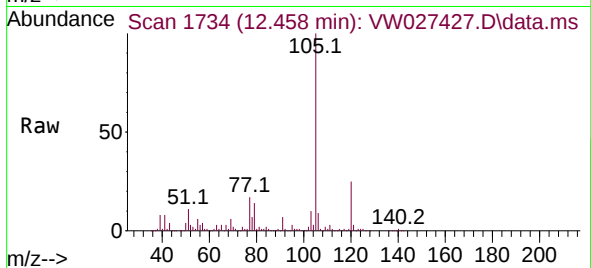
131 5.6 7.2 10.8#



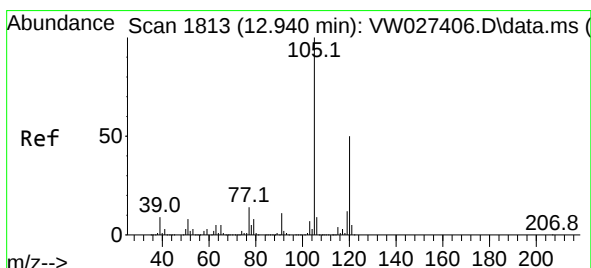
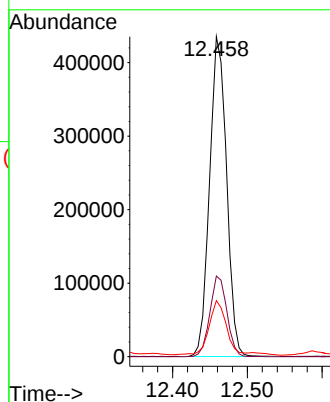
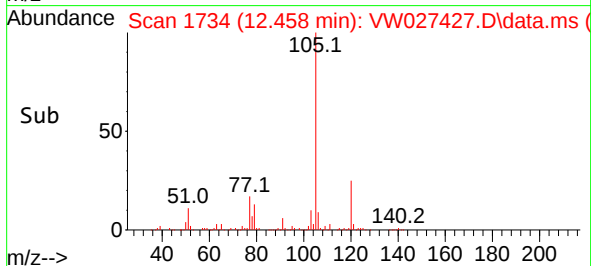


#60
Isopropylbenzene
Concen: 30.875 ug/L
RT: 12.458 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Instrument :
MSVOA_W
ClientSampleId :

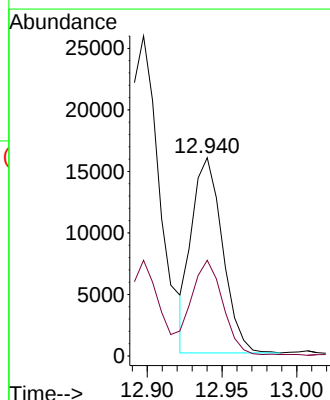
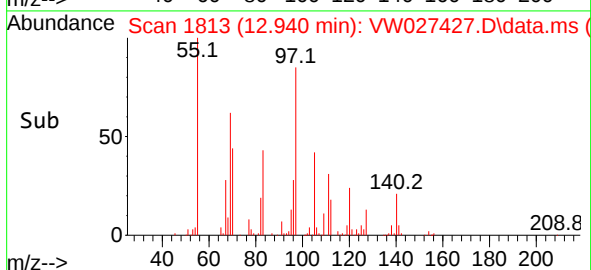
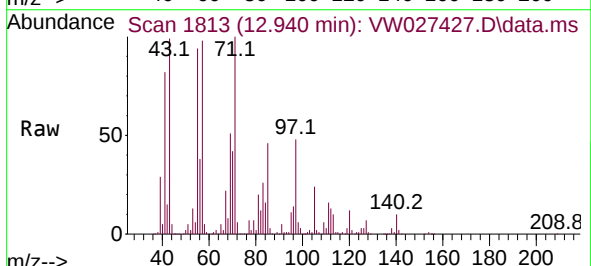


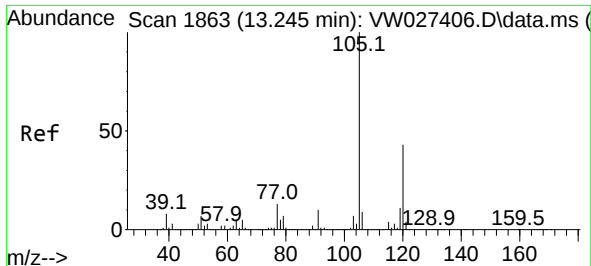
Tgt Ion:105 Resp: 688977
Ion Ratio Lower Upper
105 100
120 25.2 20.1 30.1
77 16.7 12.9 19.3



#62
1,3,5-Trimethylbenzene
Concen: 1.226 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Tgt Ion:105 Resp: 22827
Ion Ratio Lower Upper
105 100
120 50.5 38.8 58.2

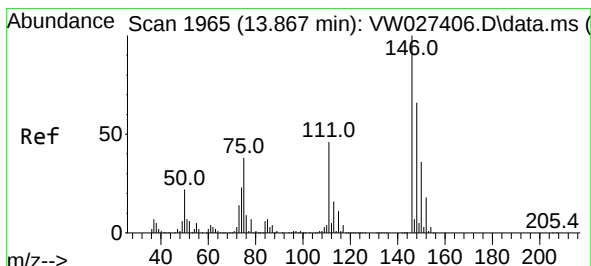
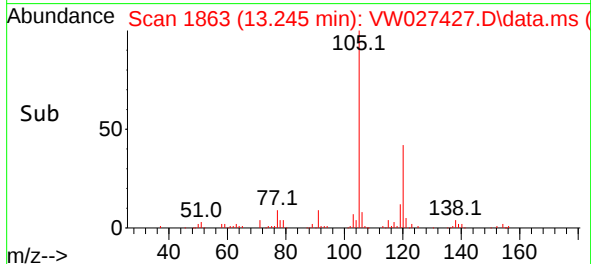
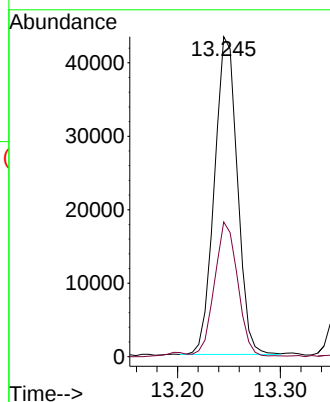
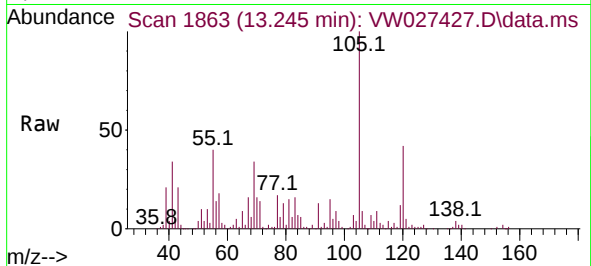




#63
1,2,4-Trimethylbenzene
Concen: 3.679 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

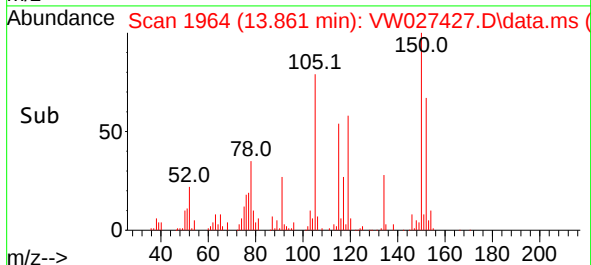
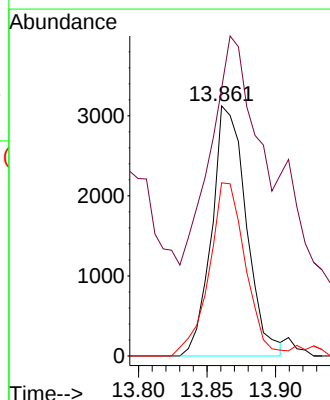
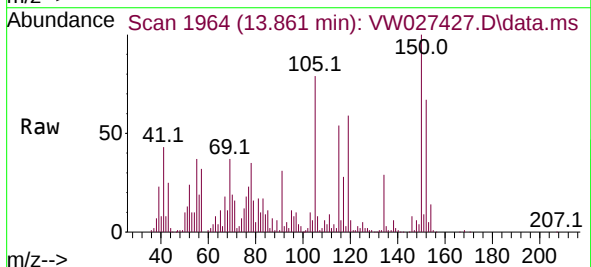
Instrument :
MSVOA_W
ClientSampleId :

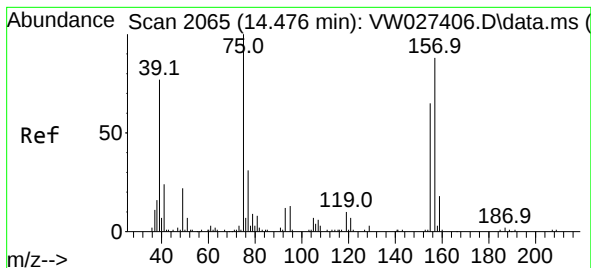
Tgt Ion:105 Resp: 67010
Ion Ratio Lower Upper
105 100
120 42.1 35.4 53.2



#67
1,2-Dichlorobenzene
Concen: 0.682 ug/L
RT: 13.861 min Scan# 1964
Delta R.T. -0.006 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Tgt Ion:146 Resp: 5473
Ion Ratio Lower Upper
146 100
111 107.1 36.8 55.2#
148 69.3 52.3 78.5

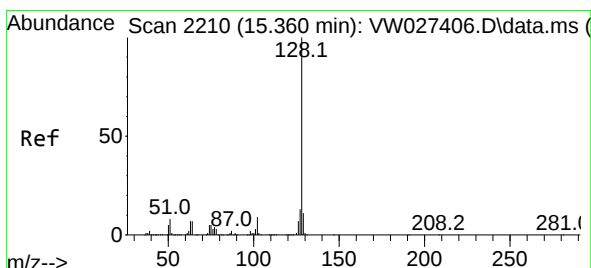
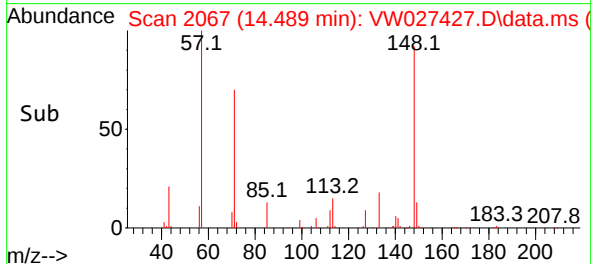
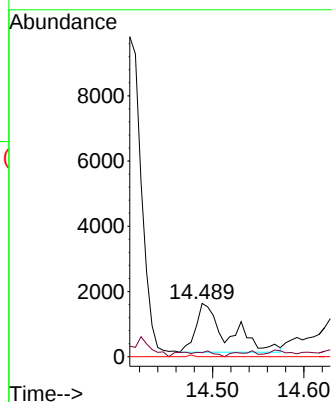
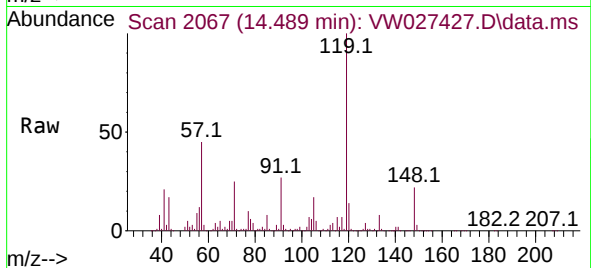




#68
1,2-Dibromo-3-chloropropane
Concen: 4.629 ug/L
RT: 14.489 min Scan# 2067
Delta R.T. 0.012 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 3588
Ion Ratio Lower Upper
75 100
155 7.6 54.9 82.3#
157 0.0 64.7 97.1#



#71
Naphthalene
Concen: 0.935 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW027427.D
Acq: 24 Oct 2023 19:21

Tgt Ion: 128 Resp: 9609
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 8.0 8.5 12.7#

