

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015919.D
 Acq On : 11 Oct 2023 13:24
 Operator : SY/MD
 Sample : 04801-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-100623RE

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Title : SW846 8260

Signal : TIC: VY015919.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.710	465	474	485	rVB4	3609	10927	1.42%	0.267%
2	7.722	957	968	973	rBV	31231	74347	9.66%	1.817%
3	7.789	973	979	993	rVB	55520	124544	16.17%	3.043%
4	8.142	1027	1037	1046	rBV	28436	62600	8.13%	1.530%
5	8.691	1115	1127	1137	rBV	82062	160517	20.85%	3.923%
6	10.179	1363	1371	1378	rBV	127409	224616	29.17%	5.489%
7	10.575	1431	1436	1442	rVB	7797	14756	1.92%	0.361%
8	11.489	1578	1586	1594	rBV	114459	189312	24.59%	4.626%
9	11.831	1633	1642	1643	rBV7	5669	9782	1.27%	0.239%
10	12.386	1715	1733	1735	rBV2	58744	196714	25.55%	4.807%
11	12.483	1744	1749	1768	rVB2	121810	273938	35.58%	6.694%
12	12.812	1796	1803	1807	rBV9	5011	11539	1.50%	0.282%
13	12.959	1807	1827	1837	rBV3	90155	455033	59.10%	11.120%
14	13.074	1838	1846	1848	rBV2	33367	77167	10.02%	1.886%
15	13.428	1898	1904	1910	rBV	99960	163670	21.26%	4.000%
16	13.568	1915	1927	1933	rBV5	15268	65980	8.57%	1.612%
17	13.660	1933	1942	1953	rVB3	42456	149369	19.40%	3.650%
18	13.751	1953	1957	1961	rBV6	8520	15385	2.00%	0.376%
19	13.965	1987	1992	1996	rBV2	14856	26188	3.40%	0.640%
20	14.019	1996	2001	2007	rVV4	12672	36641	4.76%	0.895%
21	14.080	2009	2011	2016	rVB4	9563	10481	1.36%	0.256%
22	14.300	2036	2047	2057	rBV3	30918	113983	14.80%	2.785%
23	14.422	2064	2067	2071	rBV5	8618	12844	1.67%	0.314%
24	14.538	2079	2086	2096	rVB6	13211	42103	5.47%	1.029%
25	14.727	2104	2117	2129	rBV	251023	769990	100.00%	18.816%
26	14.855	2131	2138	2148	rBV4	19819	72552	9.42%	1.773%
27	15.050	2166	2170	2175	rBV6	7408	17176	2.23%	0.420%
28	15.123	2176	2182	2190	rVB4	25385	69053	8.97%	1.687%
29	15.287	2205	2209	2218	rVB5	23426	57246	7.43%	1.399%
30	15.428	2220	2232	2248	rVB3	98144	367734	47.76%	8.986%
31	15.733	2277	2282	2294	rVB3	22217	65082	8.45%	1.590%
32	15.915	2302	2312	2322	rVB5	14523	53249	6.92%	1.301%
33	16.031	2328	2331	2338	rVB7	8628	16795	2.18%	0.410%
34	16.226	2353	2363	2371	rBV5	15743	50336	6.54%	1.230%
35	16.641	2426	2431	2439	rVB5	5279	14779	1.92%	0.361%
36	16.769	2445	2452	2455	rBV7	6128	15733	2.04%	0.384%

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ClientSampleId :
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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Title : SW846 8260

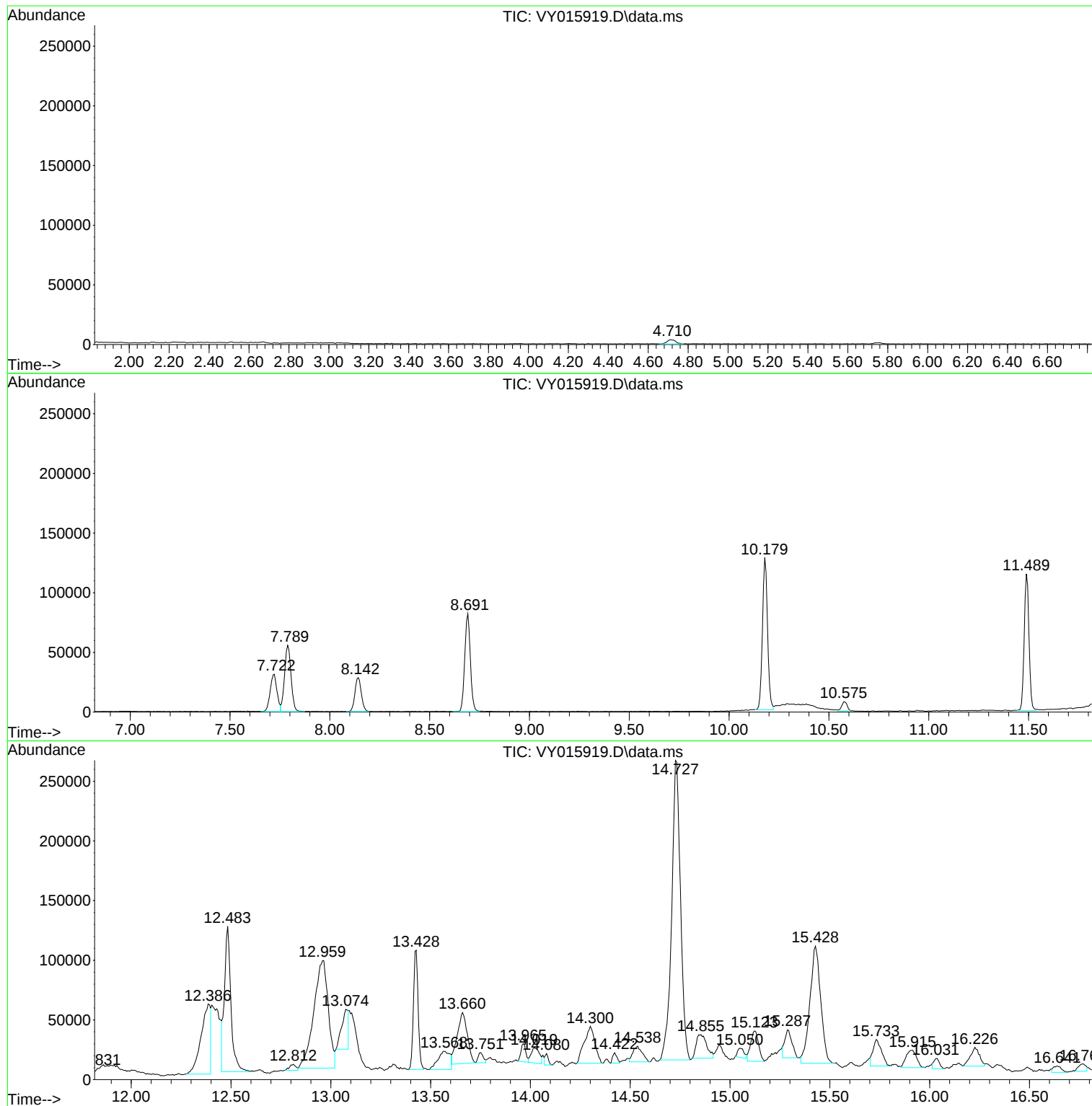
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Data File : VY015919.D
Acq On : 11 Oct 2023 13:24
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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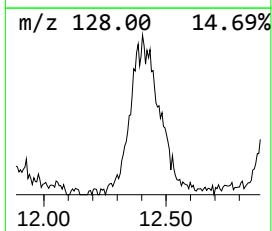
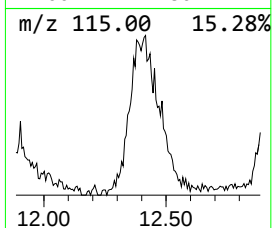
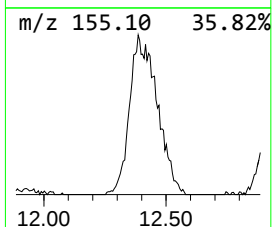
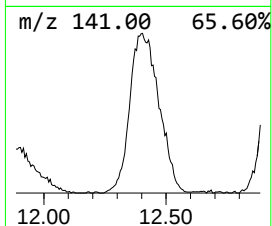
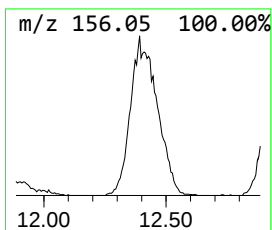
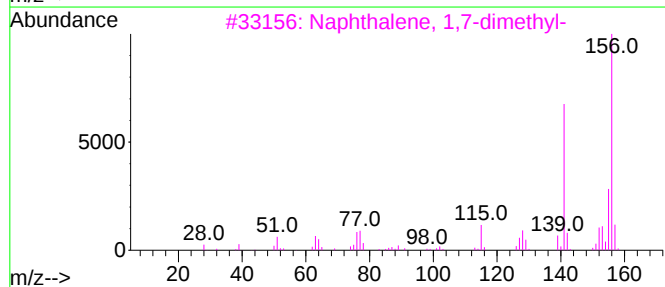
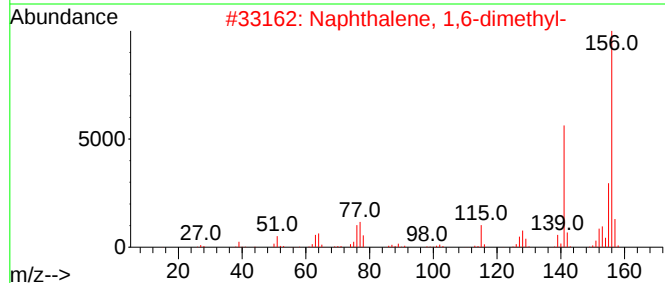
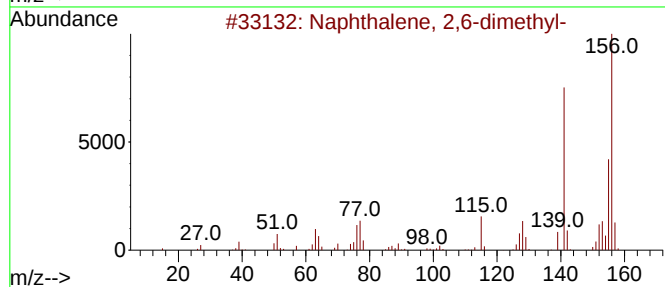
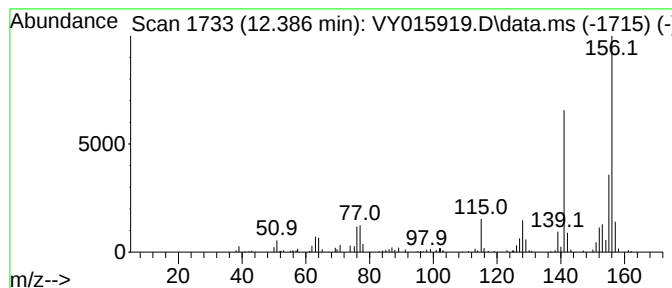
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	51.95 ug/l	196714	Chlorobenzene-d5	11.489

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

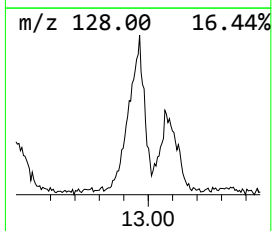
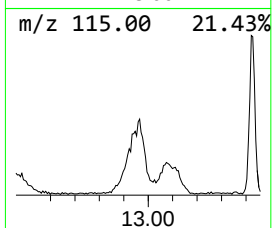
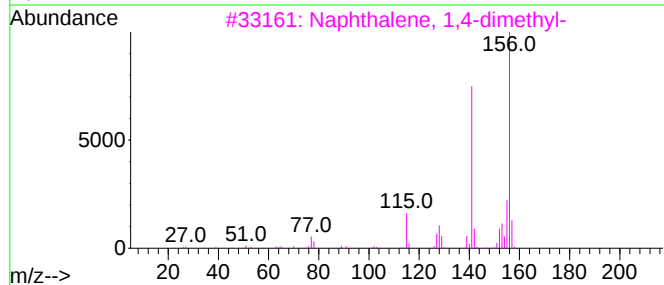
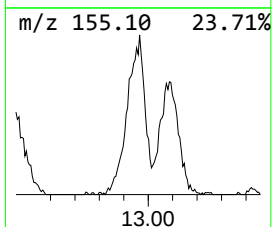
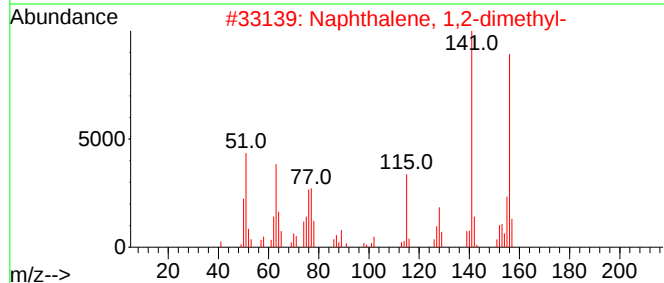
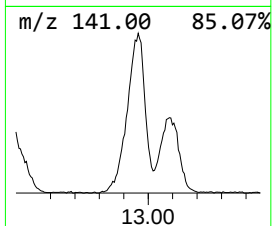
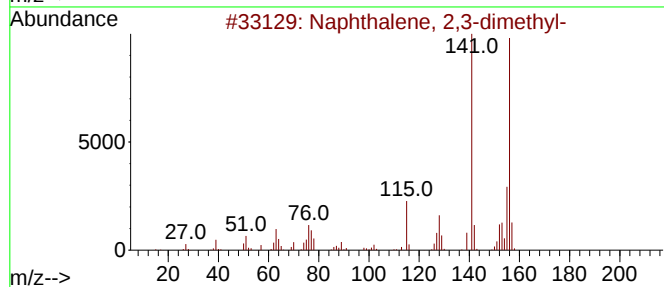
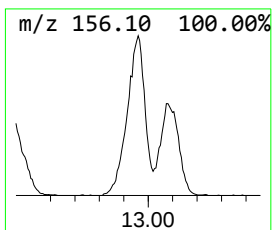
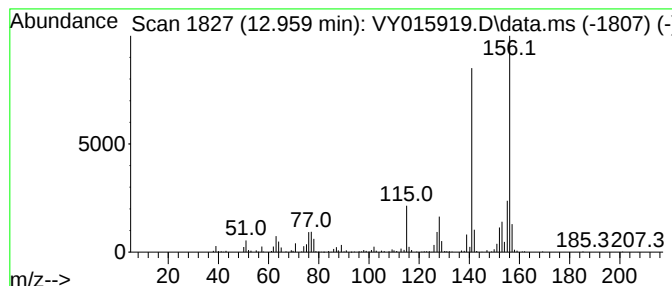
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.959	139.01 ug/l	455033	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



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Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

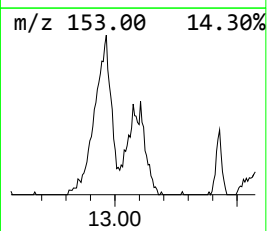
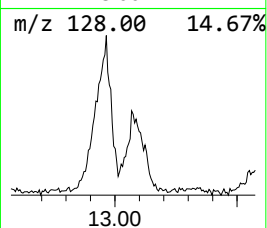
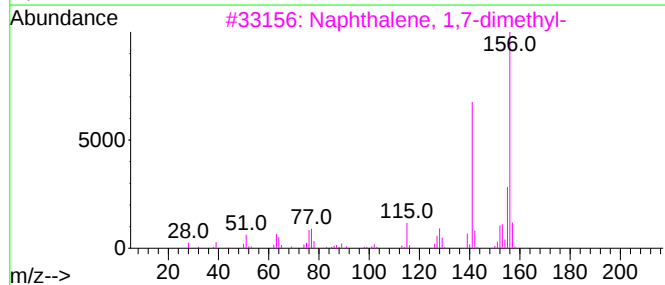
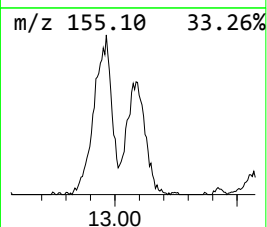
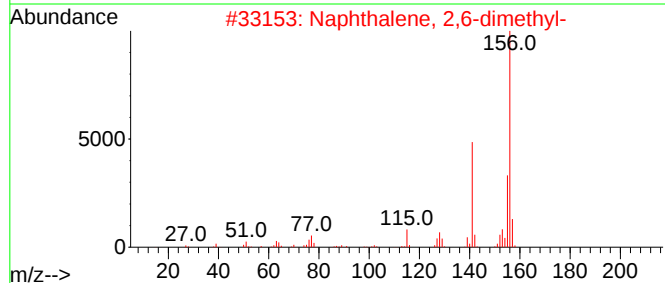
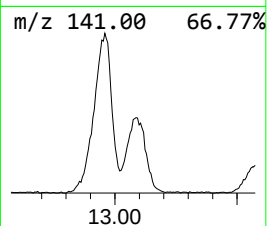
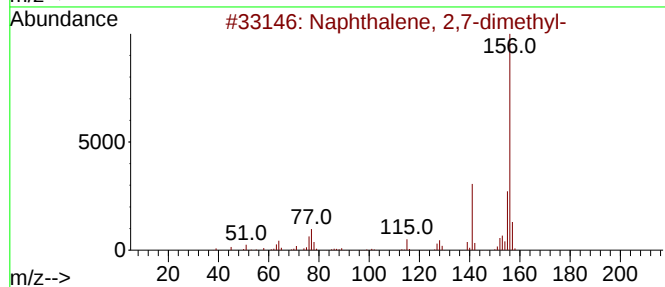
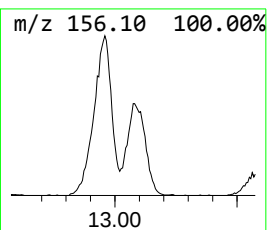
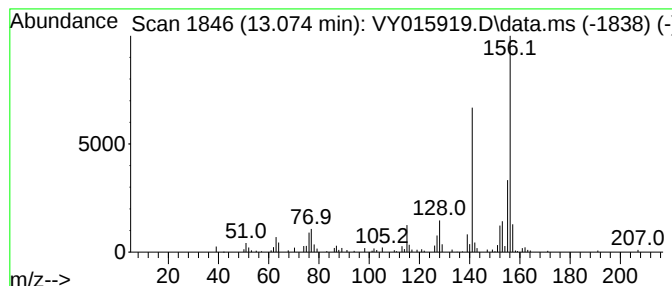
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.075	23.57 ug/l	77167	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91



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Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

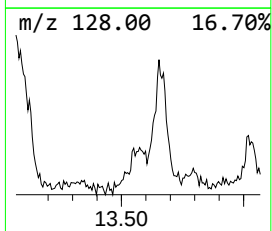
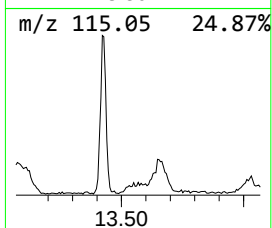
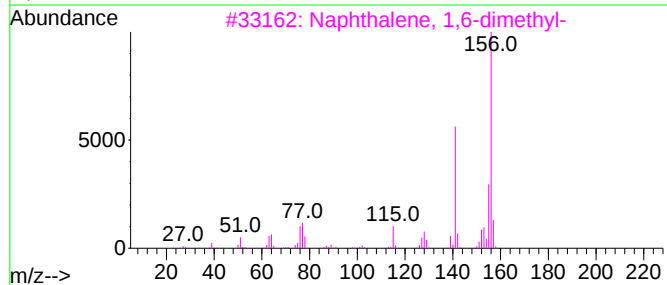
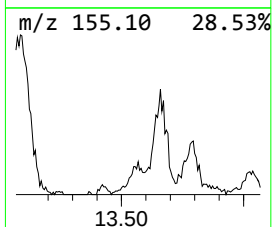
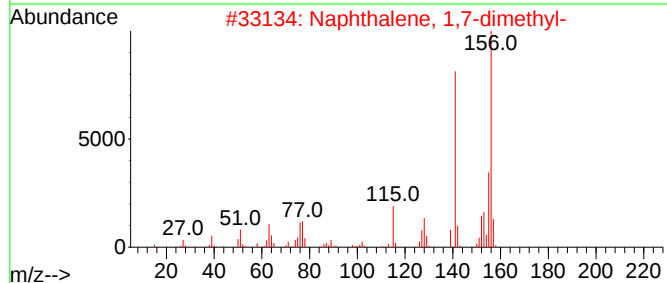
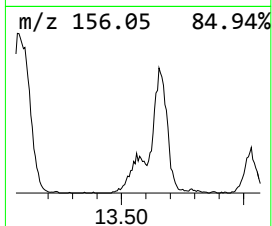
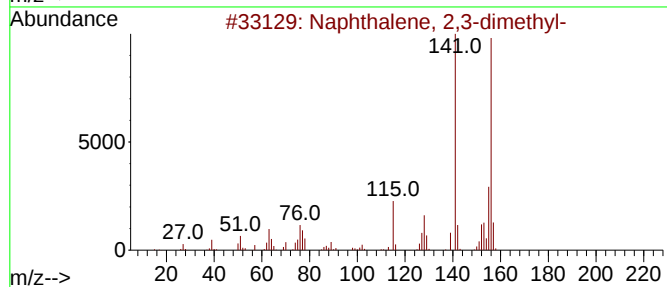
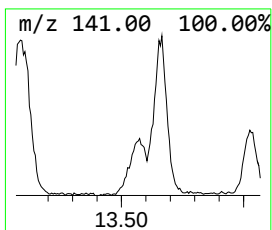
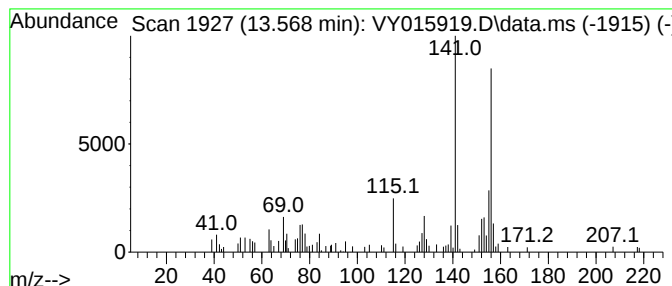
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.568	20.16 ug/l	65980	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96



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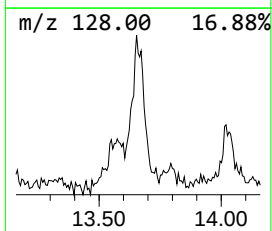
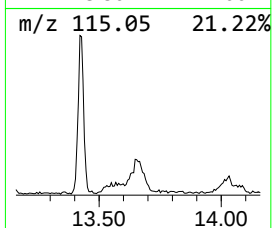
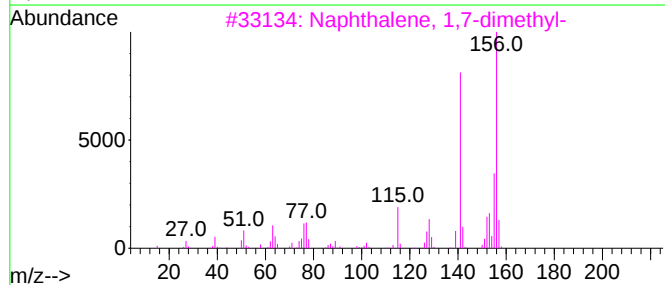
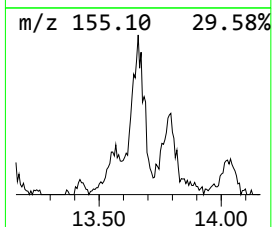
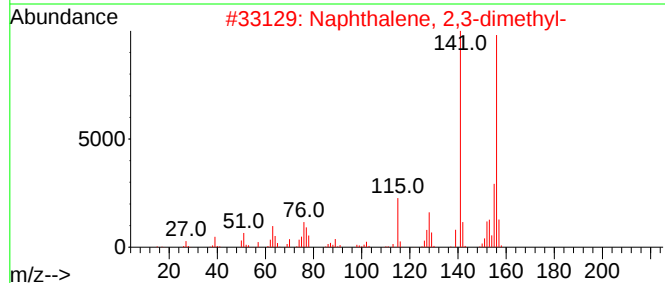
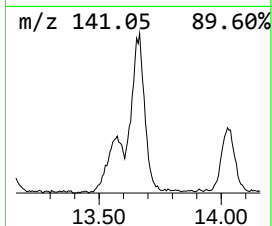
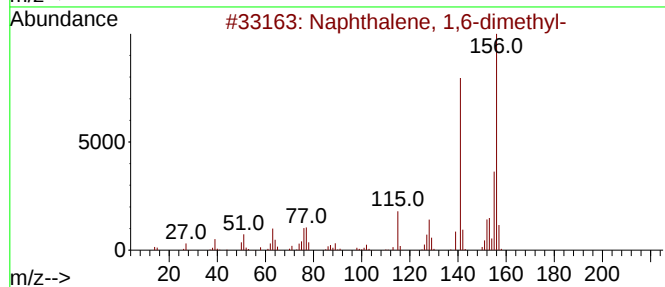
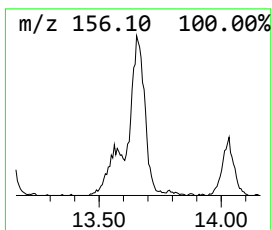
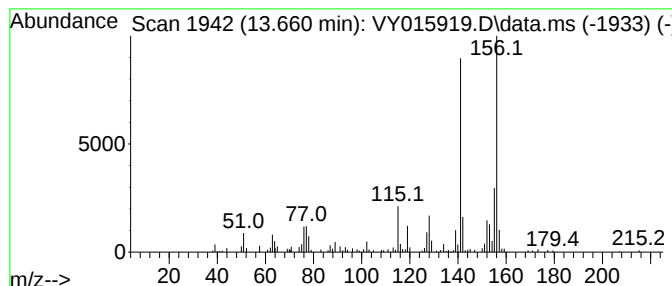
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.660	45.63 ug/l	149369	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015919.D
Acq On : 11 Oct 2023 13:24
Operator : SY/MD
Sample : 04801-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

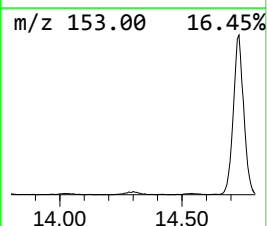
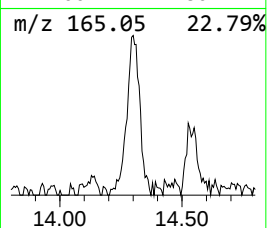
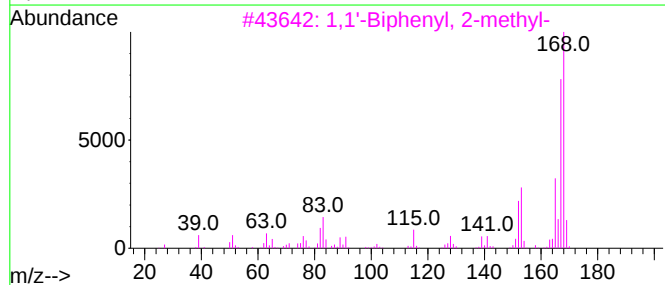
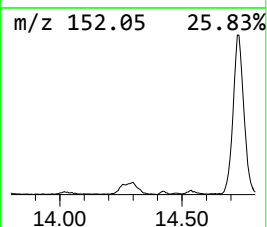
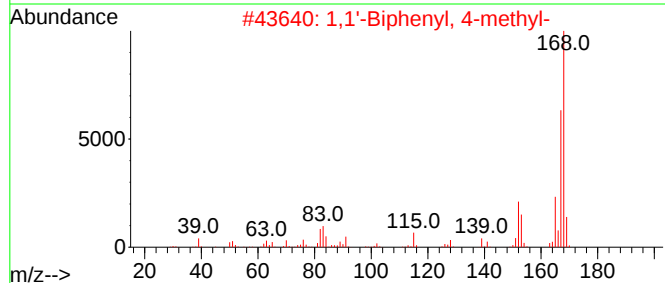
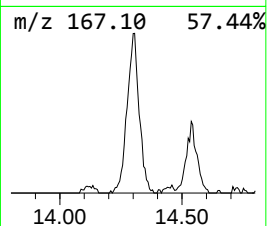
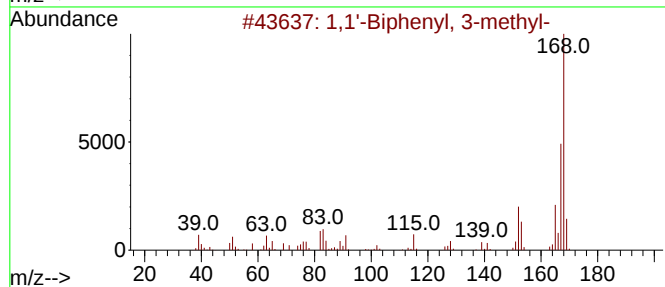
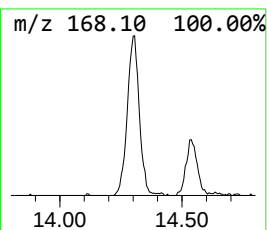
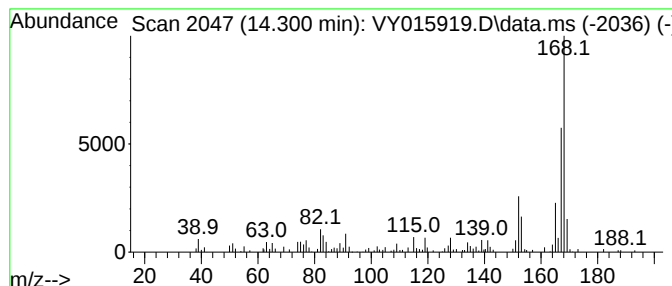
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1,1'-Biphenyl, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.300	34.82 ug/l	113983	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	95
2			1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	91
3			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	59
4			2,4-Dimethoxy-5-pyrimidine carbo...	168	C7H8N2O3	052606-02-7	58
5			Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015919.D
Acq On : 11 Oct 2023 13:24
Operator : SY/MD
Sample : 04801-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

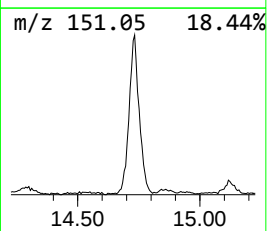
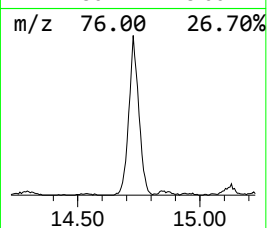
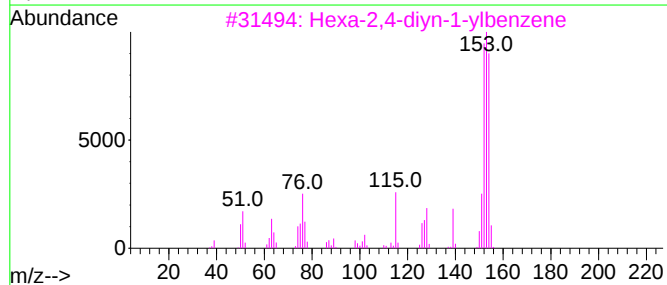
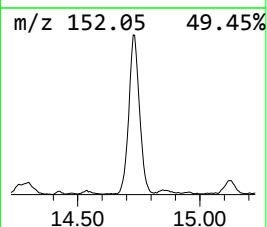
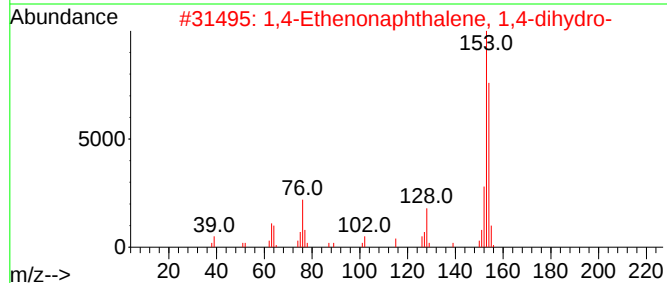
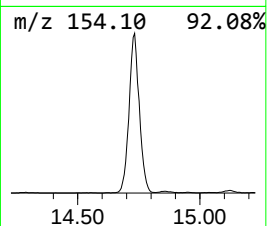
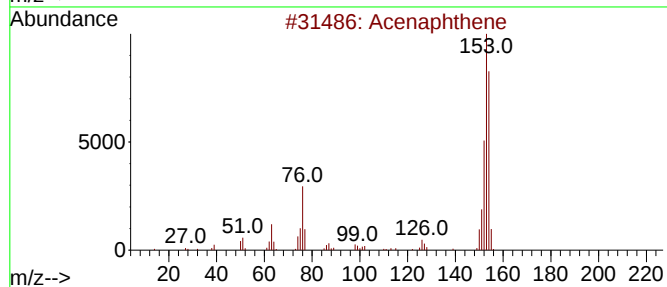
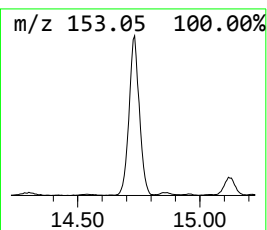
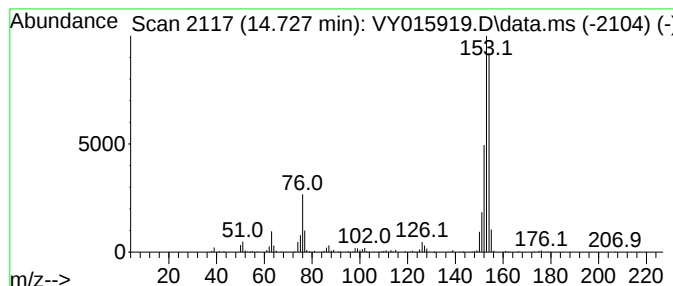
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Acenaphthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.727	235.23 ug/l	769990	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	93
2			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	64
3			Hexa-2,4-diyne-1-ylbenzene	154	C12H10	000520-74-1	53
4			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
5			3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015919.D
Acq On : 11 Oct 2023 13:24
Operator : SY/MD
Sample : 04801-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

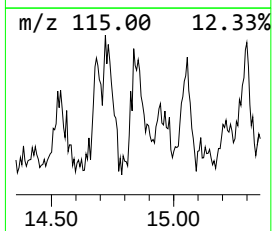
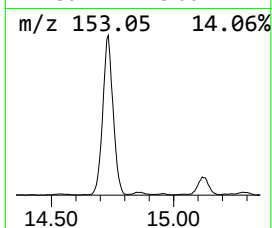
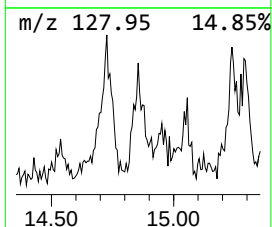
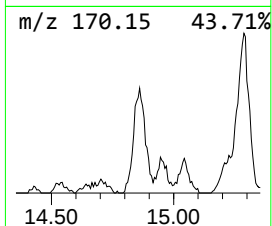
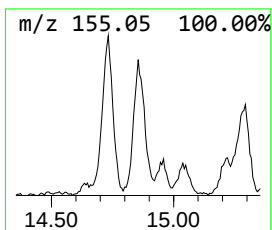
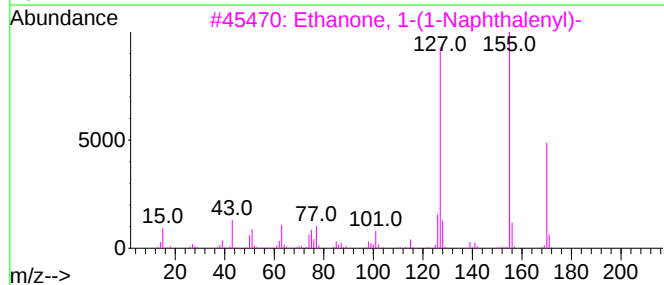
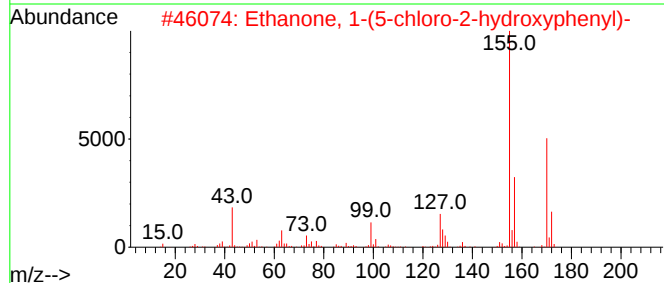
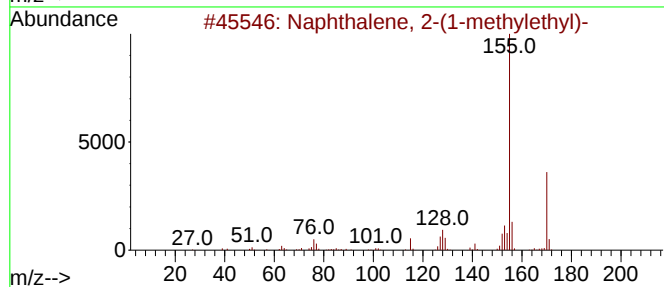
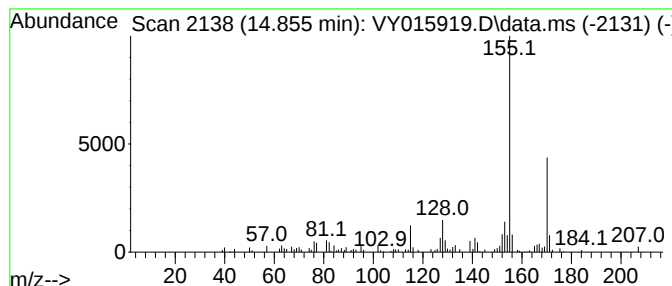
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 2-(1-methyleth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.855	22.16 ug/l	72552	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
2			Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
3			Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72
4			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	70
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015919.D
Acq On : 11 Oct 2023 13:24
Operator : SY/MD
Sample : 04801-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

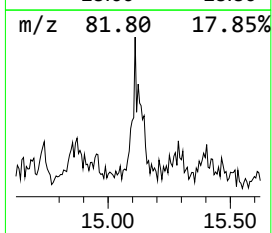
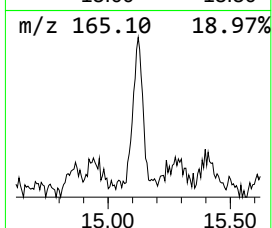
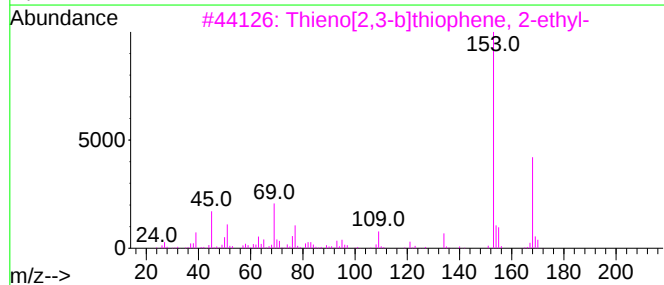
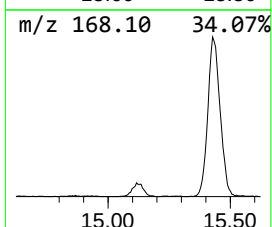
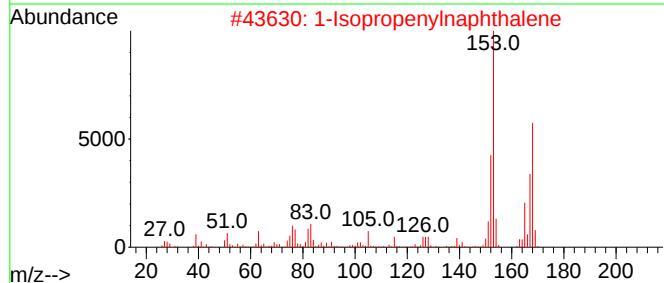
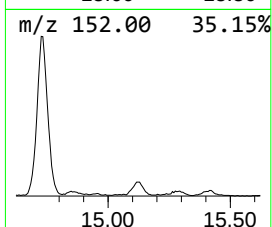
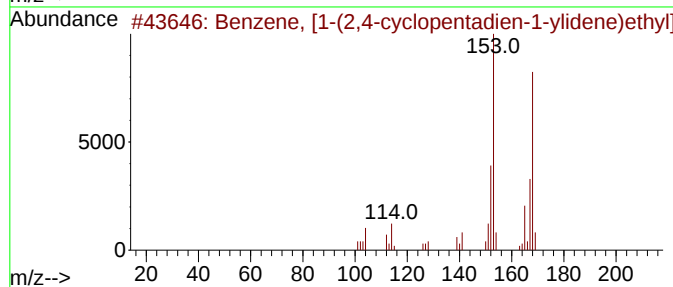
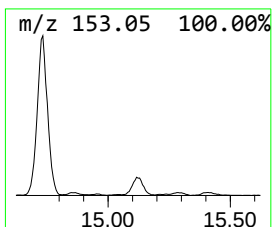
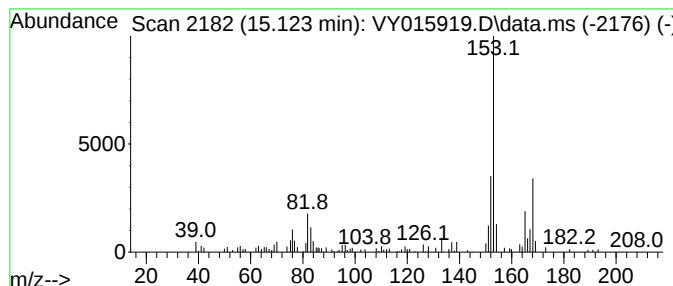
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, [1-(2,4-cyclopenta... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.123	21.10 ug/l	69053	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2			1-Isopropenyl naphthalene	168	C13H12	001855-47-6	64
3			Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4			2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	50
5			Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015919.D
Acq On : 11 Oct 2023 13:24
Operator : SY/MD
Sample : 04801-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-2-100623RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Naphthalene, 2,...	12.386	52.0	ug/l	196714	3	11.489	189312	50.0
Naphthalene, 2,...	12.959	139.0	ug/l	455033	4	13.428	163670	50.0
Naphthalene, 2,...	13.075	23.6	ug/l	77167	4	13.428	163670	50.0
Naphthalene, 1,...	13.568	20.2	ug/l	65980	4	13.428	163670	50.0
Naphthalene, 1,...	13.660	45.6	ug/l	149369	4	13.428	163670	50.0
1,1'-Biphenyl, ...	14.300	34.8	ug/l	113983	4	13.428	163670	50.0
Acenaphthene	14.727	235.2	ug/l	769990	4	13.428	163670	50.0
Naphthalene, 2-...	14.855	22.2	ug/l	72552	4	13.428	163670	50.0
Benzene, [1-(2,...	15.123	21.1	ug/l	69053	4	13.428	163670	50.0