

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072427.D
 Acq On : 25 Mar 2022 14:19
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

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_D\Method\82D031122S.M
 Title : SW846 8260

Signal : TIC: VD072427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.908	1009	1018	1023	rBV	297202	706987	11.35%	1.744%
2	7.973	1023	1029	1039	rVB	604579	1383465	22.22%	3.414%
3	8.332	1081	1090	1103	rBV2	256234	621564	9.98%	1.534%
4	8.861	1171	1180	1190	rBV	885319	1814127	29.13%	4.476%
5	10.331	1423	1430	1442	rBV	1404628	2648689	42.53%	6.535%
6	11.637	1645	1652	1661	rVB	1569484	2703507	43.41%	6.671%
7	11.737	1665	1669	1673	rBV	71647	123100	1.98%	0.304%
8	12.531	1788	1804	1815	rBV	854122	4616983	74.14%	11.392%
9	12.620	1815	1819	1830	rVB	1476030	2900240	46.57%	7.156%
10	12.967	1859	1878	1910	rVB2	910312	6227607	100.00%	15.366%
11	13.261	1923	1928	1932	rBV2	70652	141448	2.27%	0.349%
12	13.384	1935	1949	1962	rVV2	1121648	4987279	80.08%	12.306%
13	13.514	1964	1971	1975	rVV	571806	1679748	26.97%	4.145%
14	13.561	1975	1979	1988	rVB	1753030	3098013	49.75%	7.644%
15	13.767	2010	2014	2019	rBV	143534	260507	4.18%	0.643%
16	13.925	2031	2041	2046	rBV3	138636	457452	7.35%	1.129%
17	14.002	2048	2054	2065	rVV4	262873	1003317	16.11%	2.476%
18	14.108	2067	2072	2084	rVB4	115370	315122	5.06%	0.778%
19	14.214	2084	2090	2095	rVB2	41680	76529	1.23%	0.189%
20	14.337	2104	2111	2125	rBV3	152343	480371	7.71%	1.185%
21	14.578	2144	2152	2162	rVB6	64050	207460	3.33%	0.512%
22	14.702	2167	2173	2179	rBV	48498	100862	1.62%	0.249%
23	14.808	2184	2191	2197	rBV8	47909	114404	1.84%	0.282%
24	14.996	2210	2223	2234	rBV2	618018	2098327	33.69%	5.177%
25	15.384	2280	2289	2297	rVB	391683	781120	12.54%	1.927%
26	16.484	2469	2476	2484	rVB3	39000	103705	1.67%	0.256%
27	16.684	2502	2510	2521	rVB	376018	876777	14.08%	2.163%

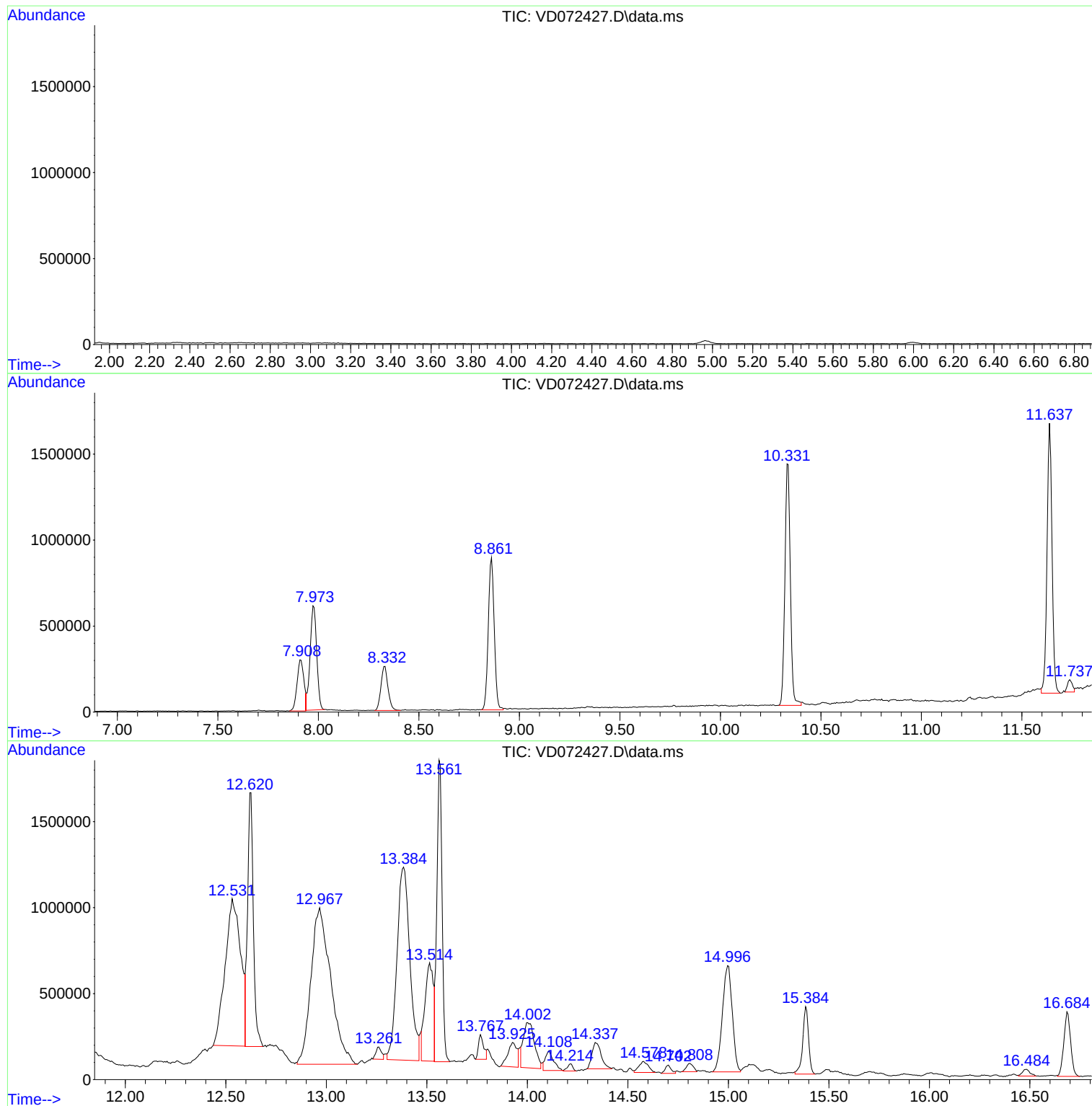
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Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

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



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Instrument :
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ClientSampleId :
VIBLK

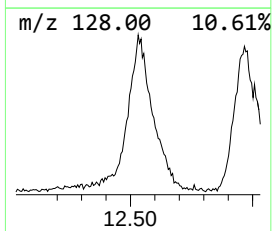
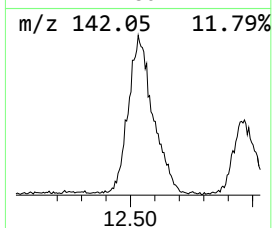
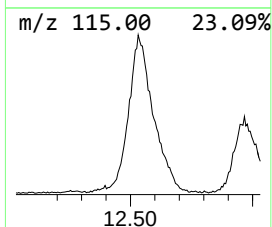
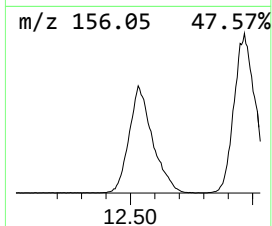
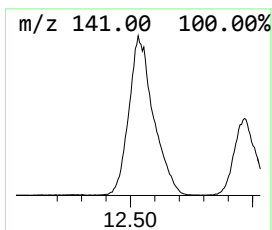
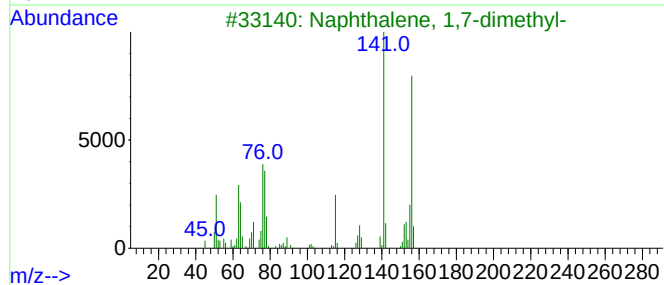
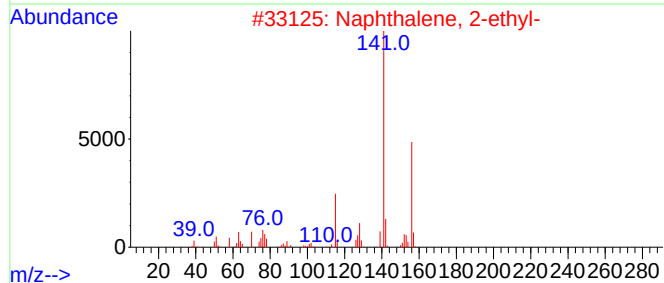
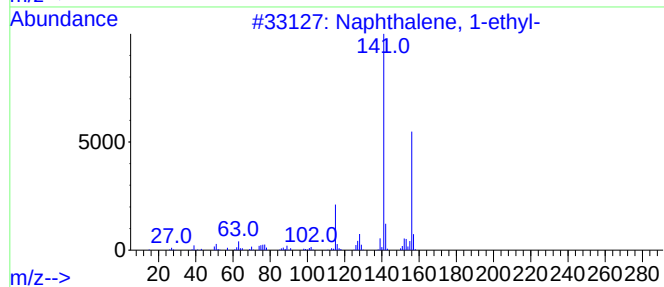
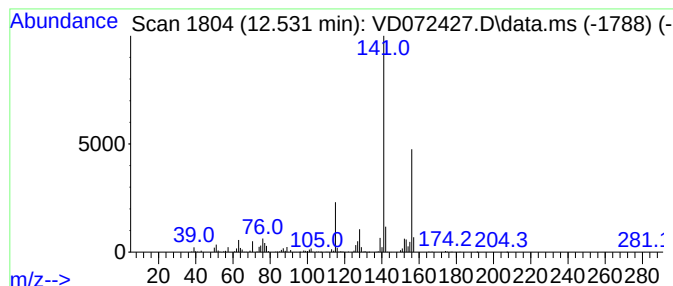
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, 1-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.531	85.39 ug/l	4616980	Chlorobenzene-d5	11.637

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	78
4			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	53



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ClientSampleId :
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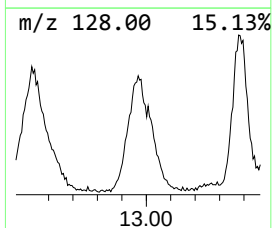
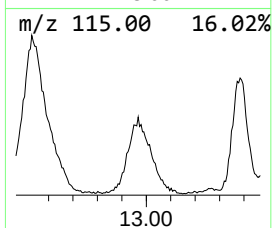
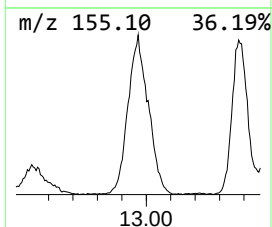
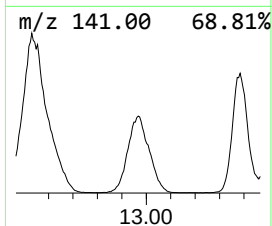
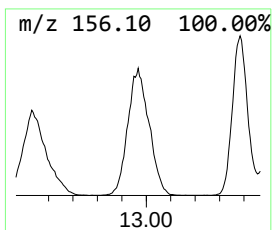
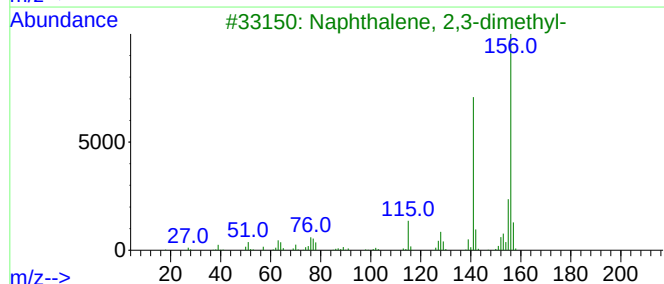
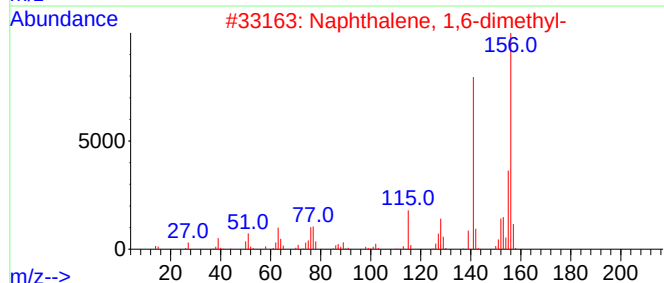
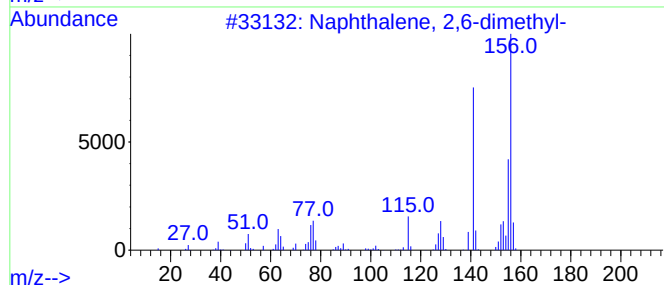
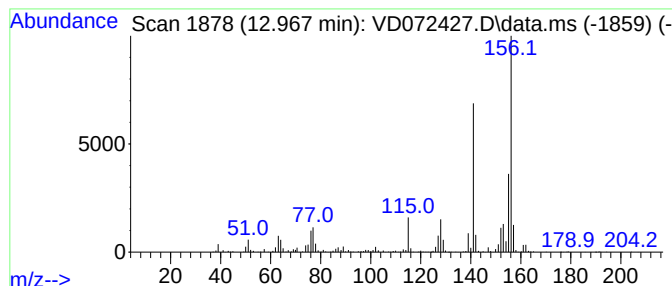
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.967	100.51 ug/l	6227610	1,4-Dichlorobenzene-d4	13.567

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	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

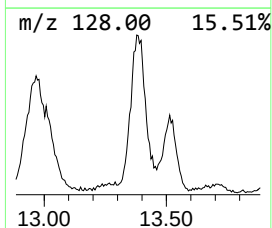
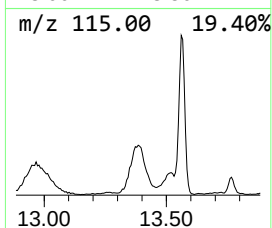
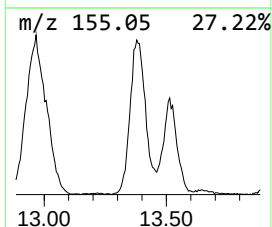
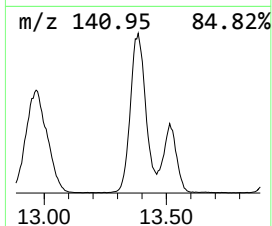
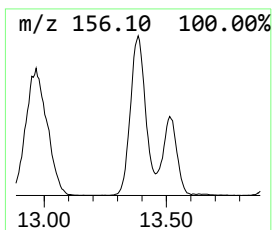
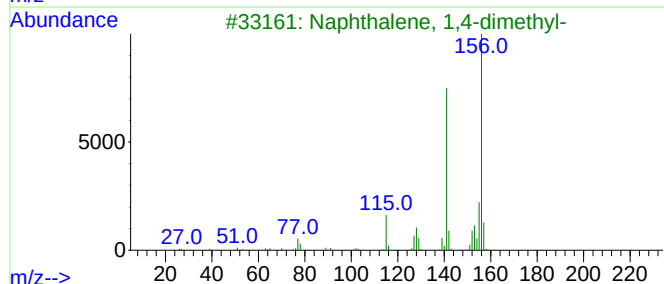
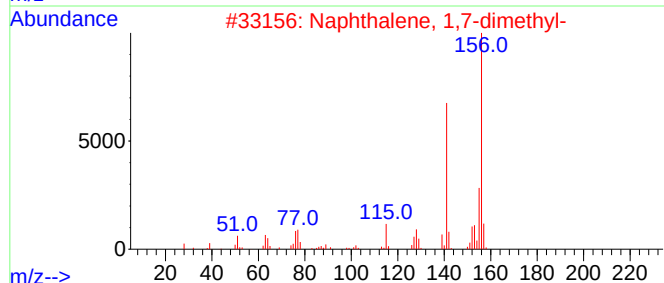
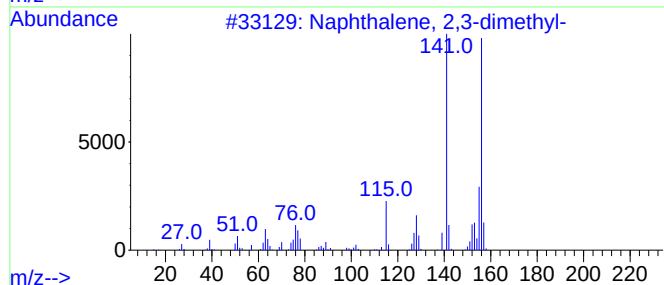
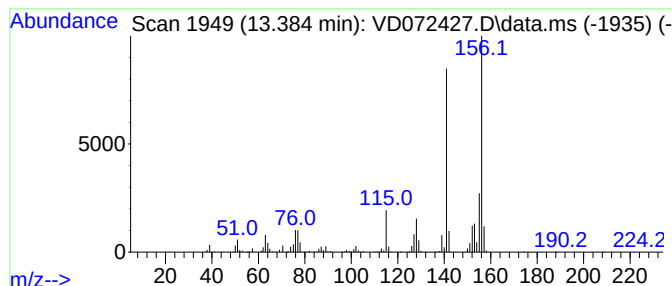
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.384	80.49 ug/l	4987280	1,4-Dichlorobenzene-d4	13.567

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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072427.D
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Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VIBLK

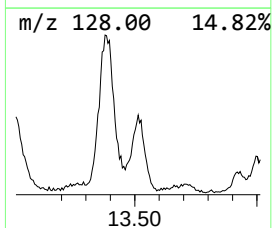
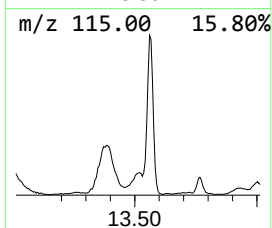
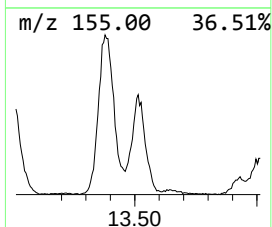
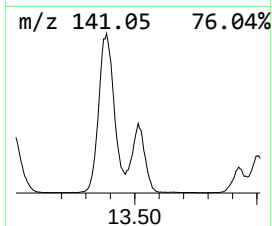
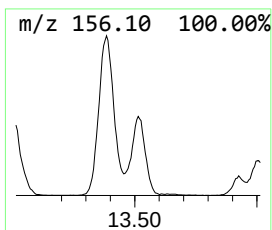
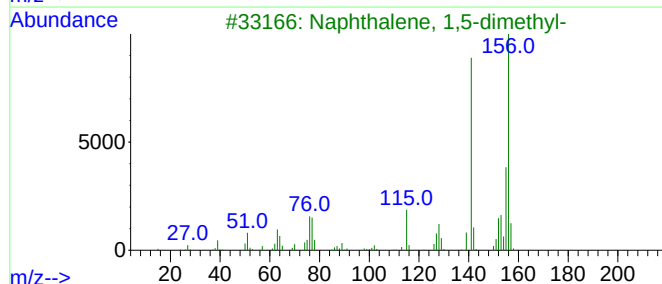
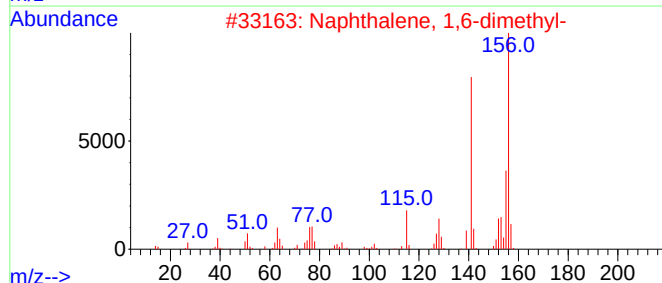
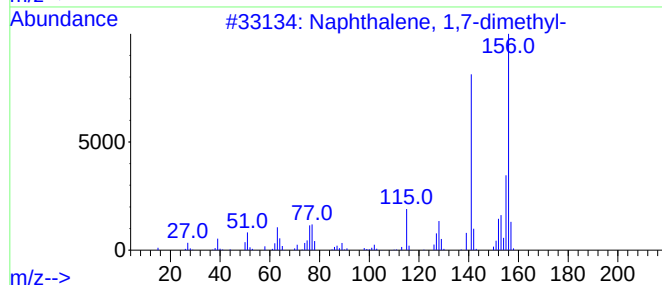
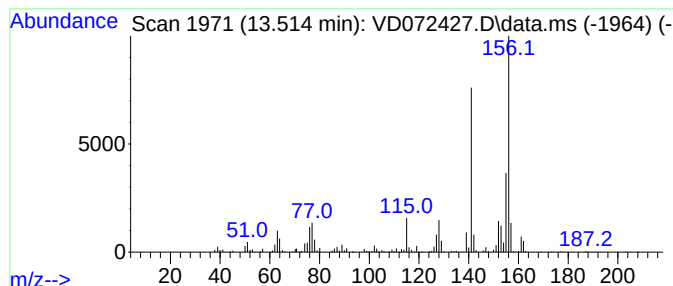
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Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.514	27.11 ug/l	1679750	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97



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ClientSampleId :
VIBLK

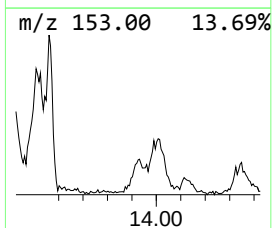
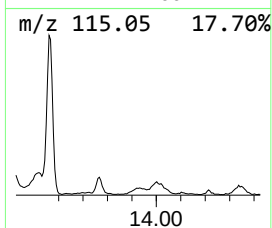
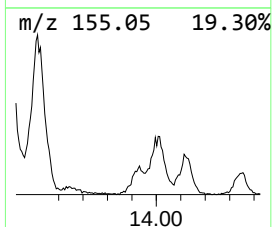
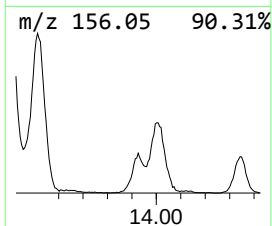
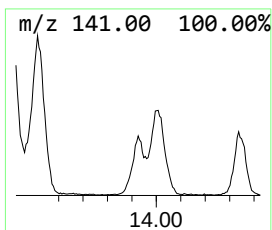
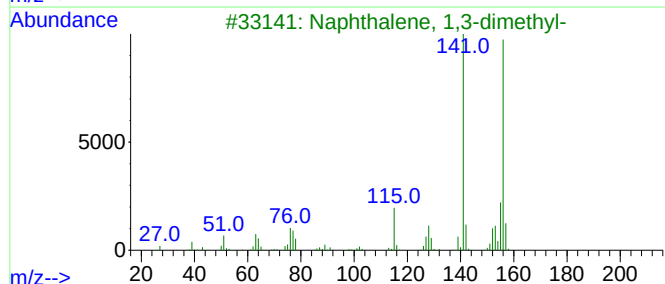
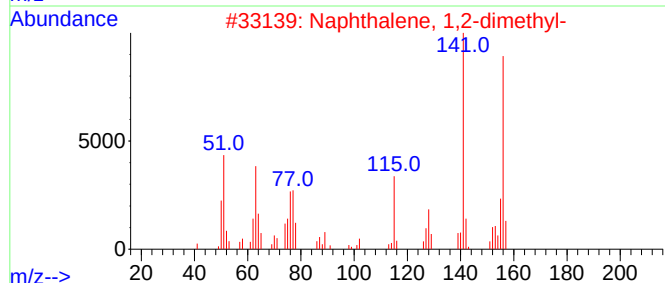
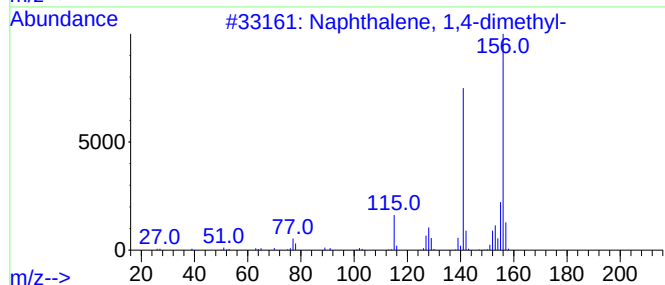
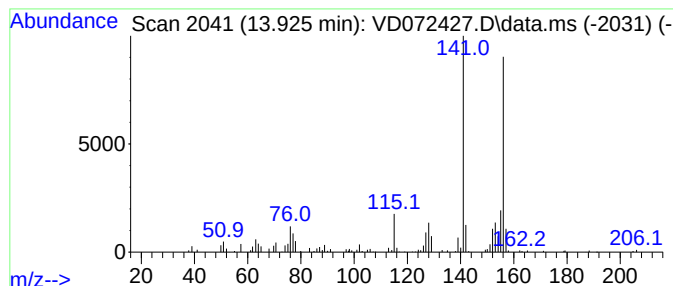
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.925	7.38 ug/l	457452	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95



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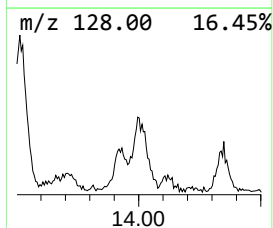
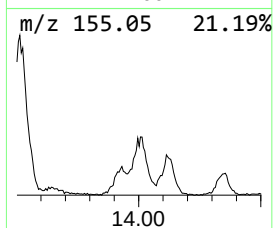
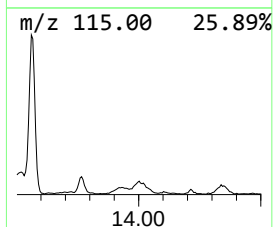
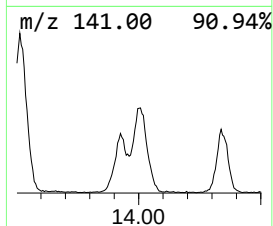
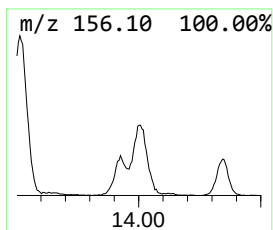
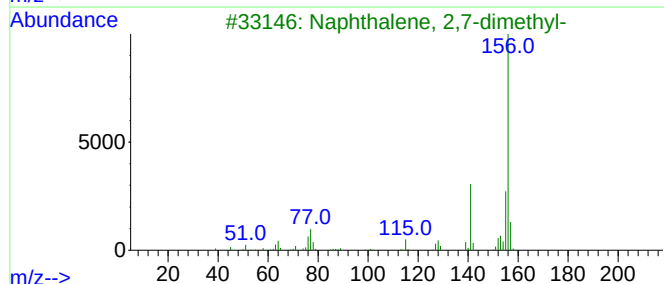
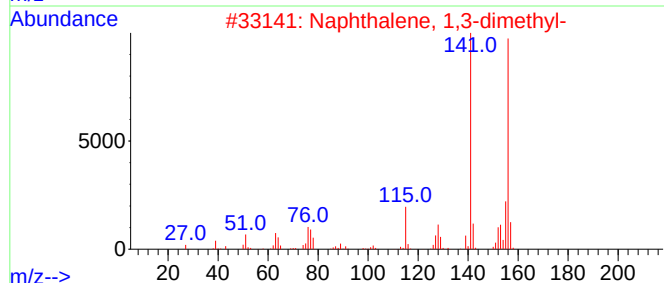
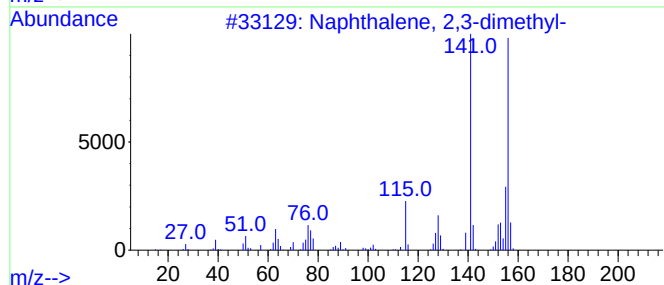
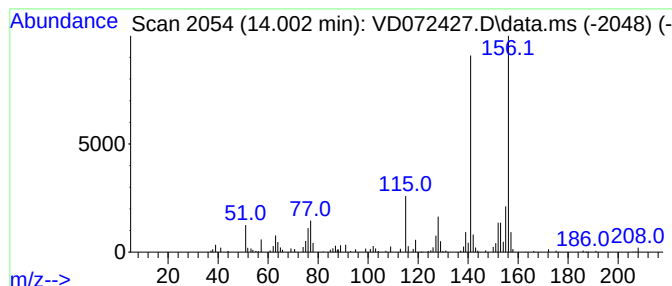
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.002	16.19 ug/l	1003320	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072427.D
Acq On : 25 Mar 2022 14:19
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

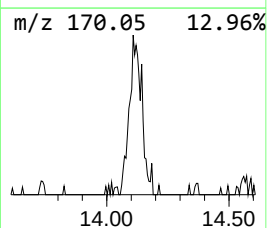
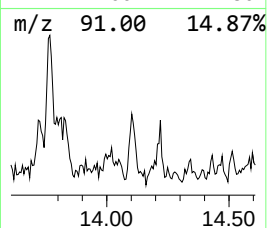
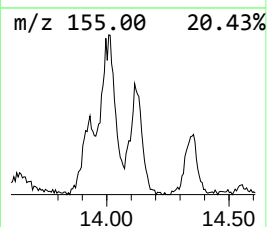
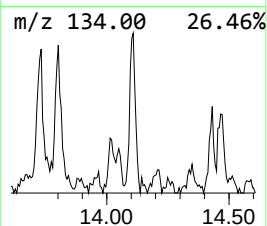
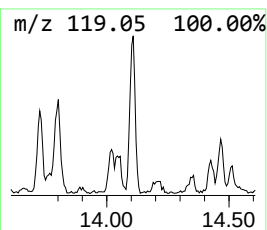
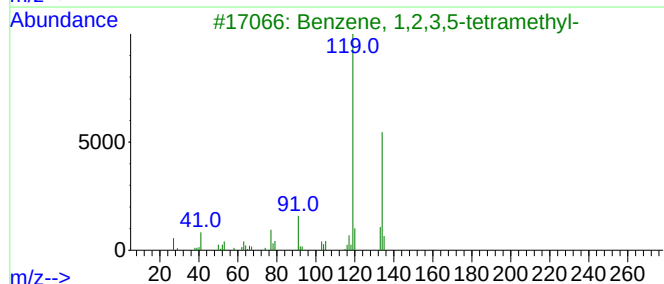
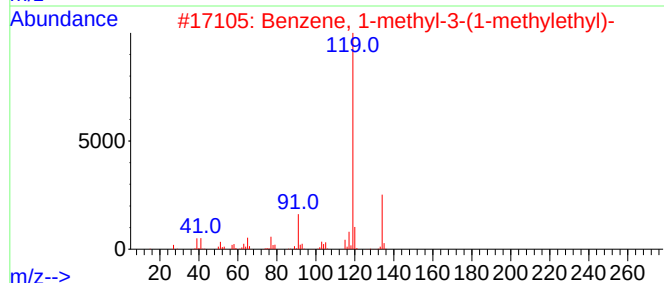
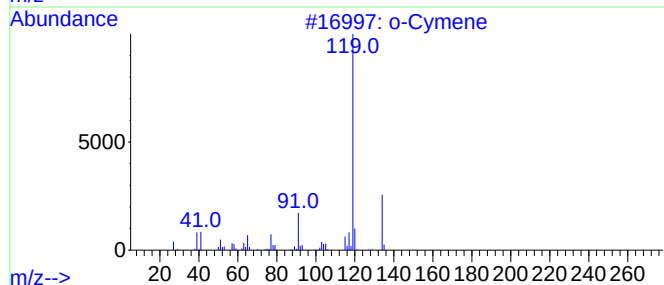
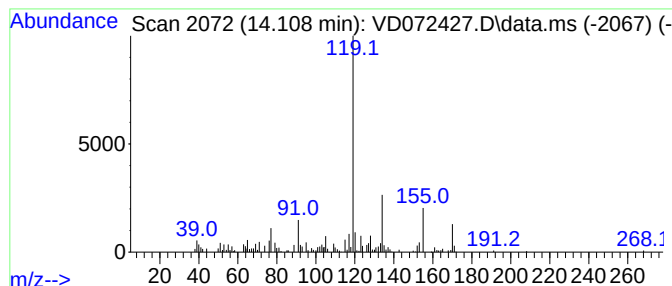
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Quant Title : SW846 8260

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

Peak Number 7 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.108	5.09 ug/l	315122	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	91
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	91
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072427.D
Acq On : 25 Mar 2022 14:19
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

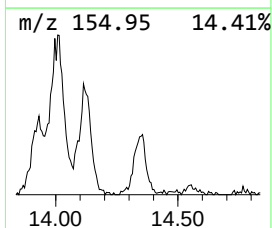
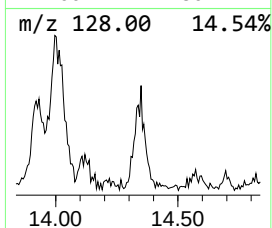
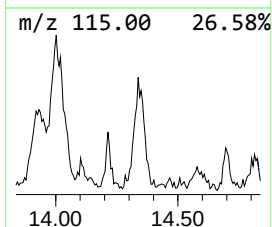
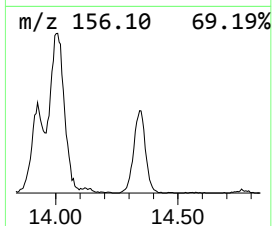
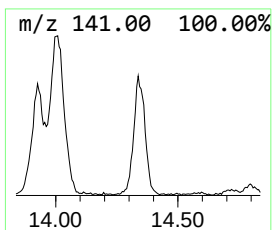
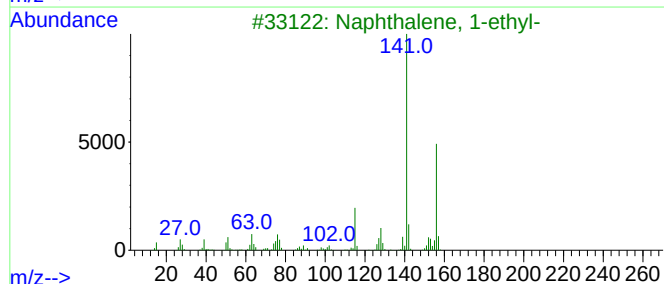
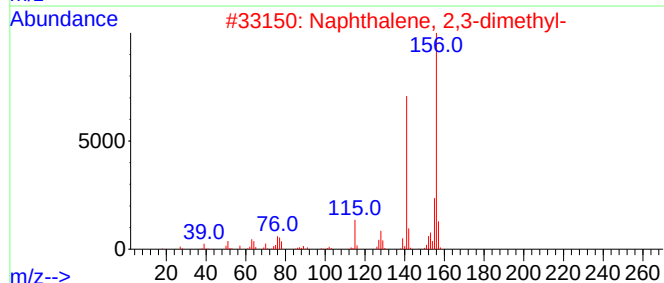
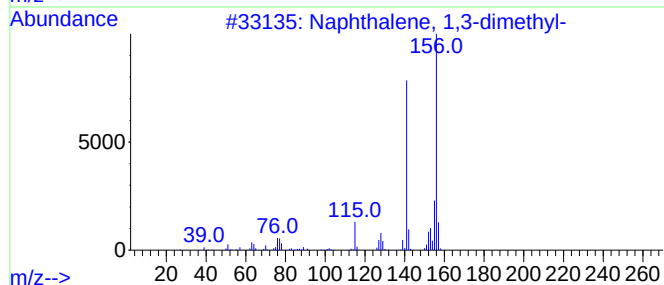
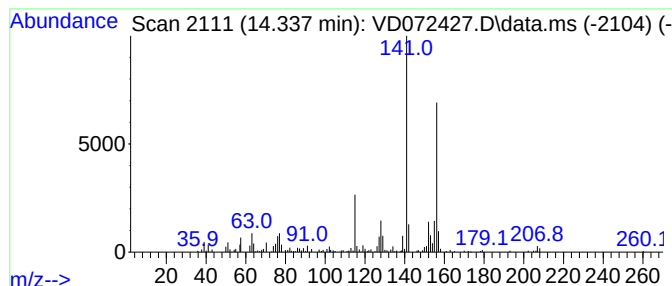
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Quant Title : SW846 8260

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

Peak Number 8 unknown14.337 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.337	7.75 ug/l	480371	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072427.D
Acq On : 25 Mar 2022 14:19
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

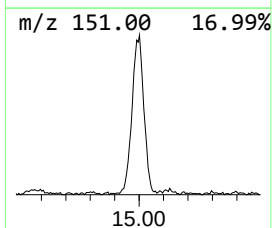
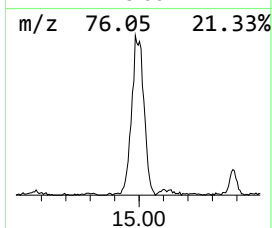
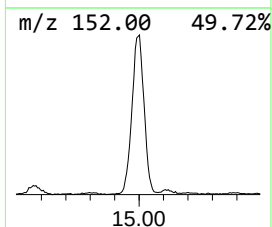
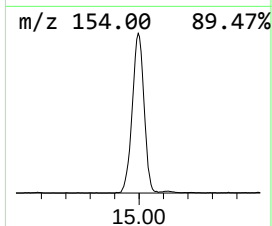
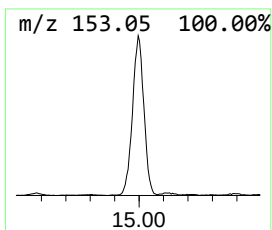
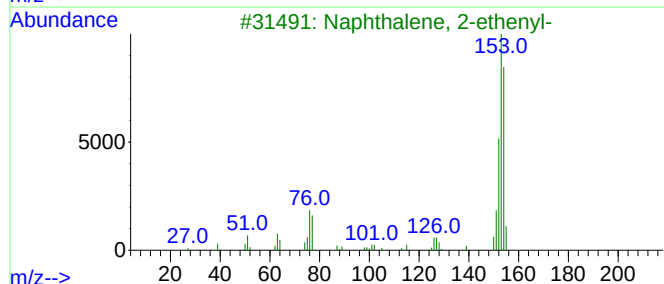
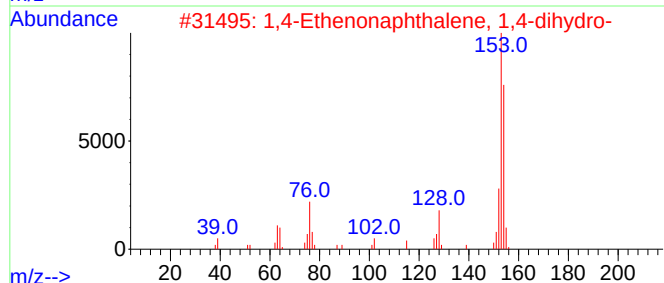
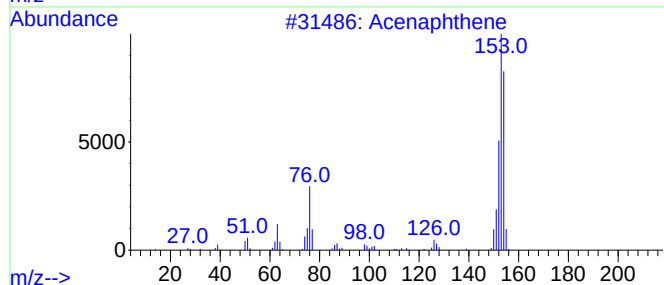
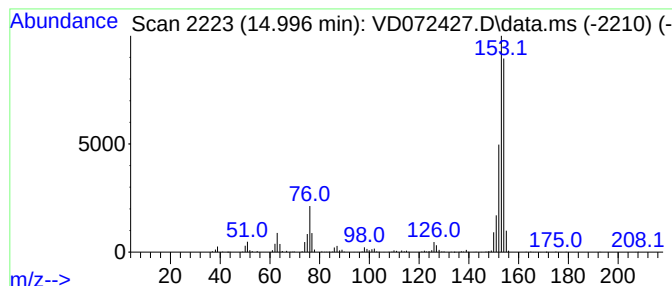
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Quant Title : SW846 8260

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

Peak Number 9 Acenaphthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.996	33.87 ug/l	2098330	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	96
2			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	53
3			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
4			3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50
5			Biphenyl	154	C12H10	000092-52-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072427.D
Acq On : 25 Mar 2022 14:19
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

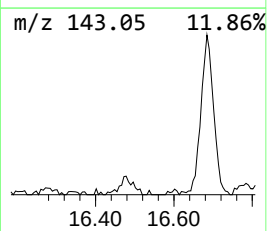
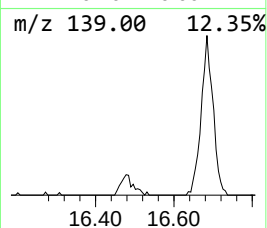
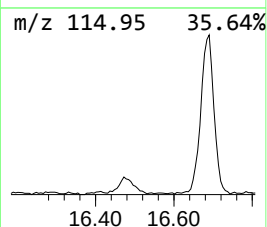
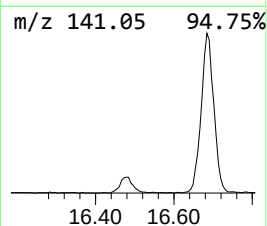
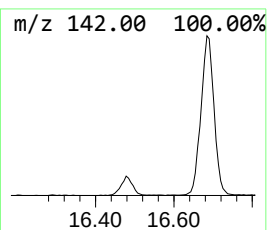
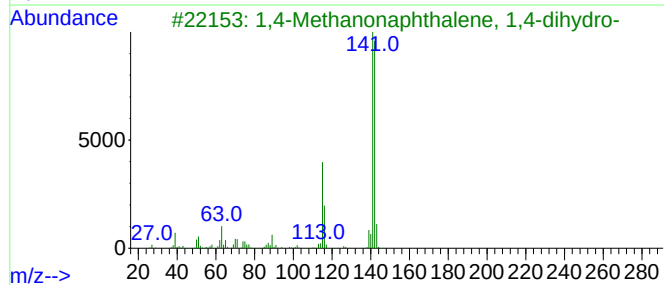
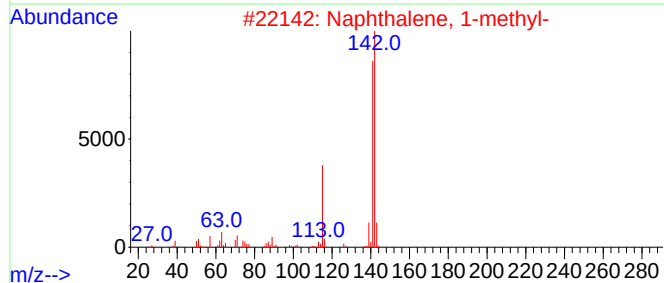
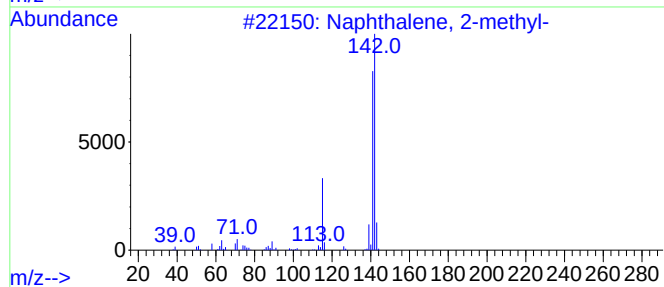
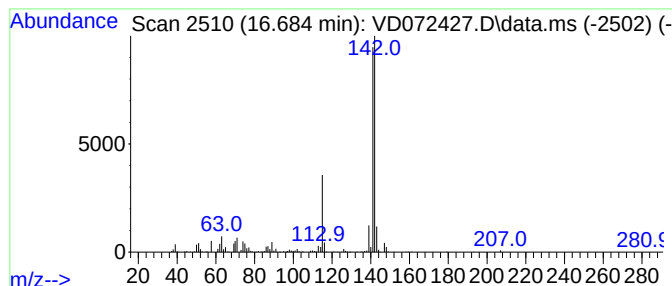
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.684	14.15 ug/l	876777	1,4-Dichlorobenzene-d4	13.567

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4			Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5			Benzocycloheptatriene	142	C11H10	000264-09-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
Data File : VD072427.D
Acq On : 25 Mar 2022 14:19
Operator : VA/SY
Sample : VIBLK
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.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, 1-...	12.531	85.4	ug/l	4616980	3	11.637	2703510	50.0
Naphthalene, 2,...	12.967	100.5	ug/l	6227610	4	13.567	3098010	50.0
Naphthalene, 2,...	13.384	80.5	ug/l	4987280	4	13.567	3098010	50.0
Naphthalene, 1,...	13.514	27.1	ug/l	1679750	4	13.567	3098010	50.0
Naphthalene, 1,...	13.925	7.4	ug/l	457452	4	13.567	3098010	50.0
Naphthalene, 1,...	14.002	16.2	ug/l	1003320	4	13.567	3098010	50.0
o-Cymene	14.108	5.1	ug/l	315122	4	13.567	3098010	50.0
unknown14.337	14.337	7.8	ug/l	480371	4	13.567	3098010	50.0
Acenaphthene	14.996	33.9	ug/l	2098330	4	13.567	3098010	50.0
Naphthalene, 1-...	16.684	14.2	ug/l	876777	4	13.567	3098010	50.0