

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017983.D
 Acq On : 18 Apr 2024 18:02
 Operator : SY/MD
 Sample : P2178-03
 Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-5

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\82Y041624S.M

Title : SW846 8260

Signal : TIC: VY017983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.119	45	49	51	rBV4	2897	4861	2.11%	0.397%
2	2.387	92	93	99	rVB4	2244	2391	1.04%	0.195%
3	2.674	138	140	145	rVB2	2138	2608	1.13%	0.213%
4	6.978	844	846	851	rVV3	1720	2908	1.26%	0.238%
5	7.728	958	969	974	rBV3	8151	19803	8.59%	1.619%
6	7.795	974	980	989	rVB	24226	51163	22.19%	4.182%
7	8.149	1031	1038	1046	rVB2	4919	11332	4.92%	0.926%
8	8.697	1120	1128	1137	rBV	25363	51335	22.27%	4.196%
9	10.191	1366	1373	1379	rBV	30435	55122	23.91%	4.506%
10	10.947	1493	1497	1502	rVB5	1681	3010	1.31%	0.246%
11	11.502	1581	1588	1596	rBV	16901	28242	12.25%	2.308%
12	11.831	1630	1642	1644	rBV5	2527	6037	2.62%	0.493%
13	11.886	1644	1651	1652	rBV6	2945	4510	1.96%	0.369%
14	12.416	1718	1738	1739	rBV5	17091	65601	28.46%	5.362%
15	12.489	1747	1750	1765	rVB10	18994	53960	23.41%	4.411%
16	12.971	1809	1829	1838	rVV4	34348	170252	73.86%	13.916%
17	13.129	1840	1855	1870	rVB3	22038	130192	56.48%	10.642%
18	13.434	1899	1905	1910	rBV4	2993	5496	2.38%	0.449%
19	13.568	1915	1927	1928	rBV4	4283	8842	3.84%	0.723%
20	13.678	1936	1945	1959	rVB4	12439	44958	19.50%	3.675%
21	14.044	1995	2005	2006	rBV5	6031	13339	5.79%	1.090%
22	14.312	2041	2049	2060	rVB7	7335	22878	9.92%	1.870%
23	14.458	2066	2073	2077	rBV7	1530	4205	1.82%	0.344%
24	14.556	2084	2089	2096	rVB7	2478	5304	2.30%	0.434%
25	14.745	2109	2120	2132	rBV2	70557	230517	100.00%	18.842%
26	14.873	2134	2141	2145	rBV4	5068	12402	5.38%	1.014%
27	14.964	2152	2156	2161	rVB5	3057	6108	2.65%	0.499%
28	15.129	2178	2183	2192	rVB7	4218	10979	4.76%	0.897%
29	15.300	2202	2211	2220	rVB8	5764	19971	8.66%	1.632%
30	15.446	2220	2235	2249	rBV	40925	147160	63.84%	12.028%
31	15.745	2277	2284	2285	rBV4	4294	6322	2.74%	0.517%
32	15.915	2306	2312	2326	rVB5	4166	13650	5.92%	1.116%
33	16.226	2357	2363	2364	rBV5	1674	3028	1.31%	0.248%
34	16.495	2403	2407	2415	rVB7	2521	4944	2.14%	0.404%

Sum of corrected areas: 1223430

Instrument :

MSVOA_Y

ClientSampleId :

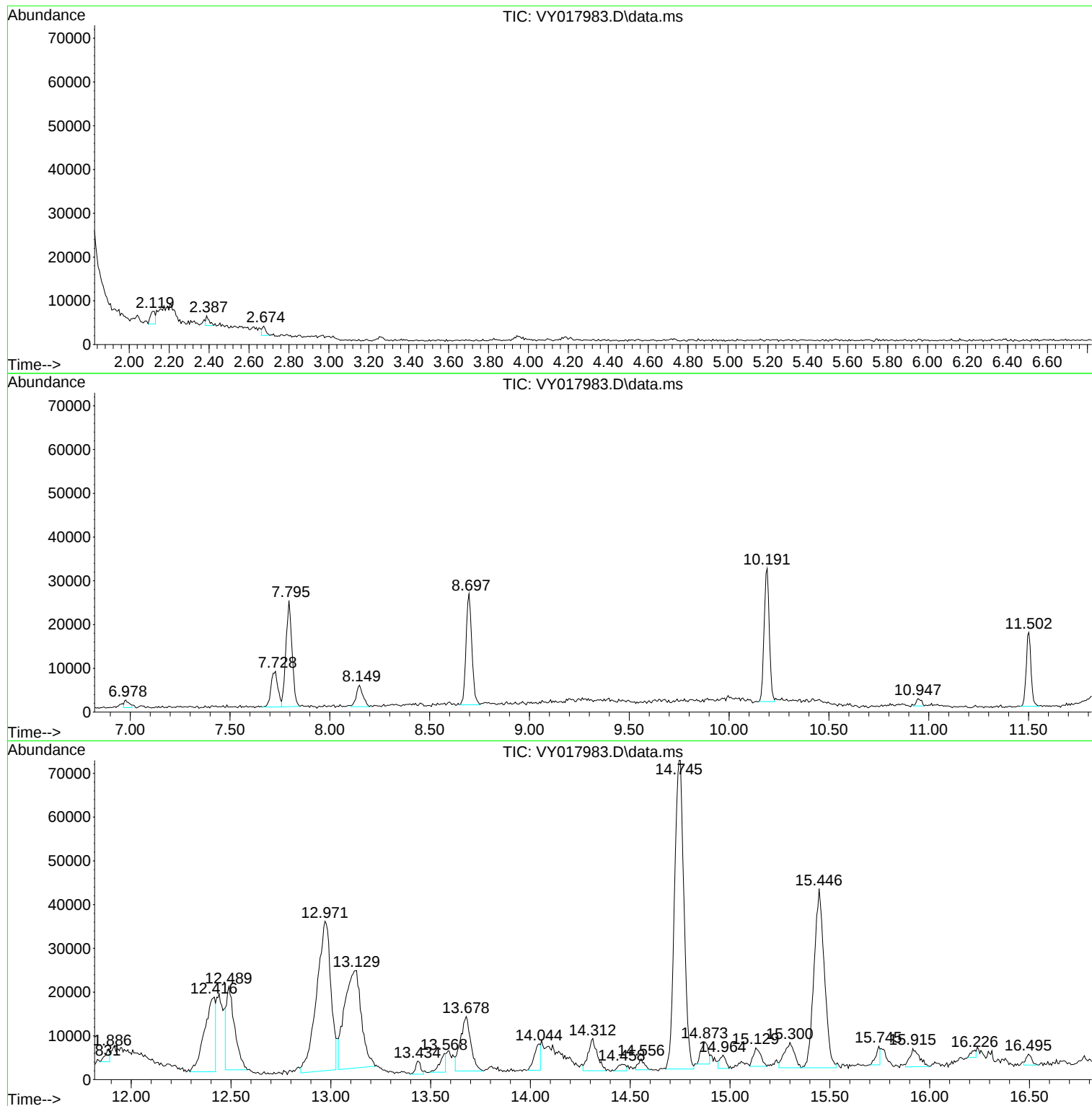
TOPSOIL-LKWD-DENALI-5

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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TOPSOIL-LKWD-DENALI-5

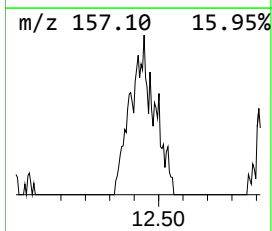
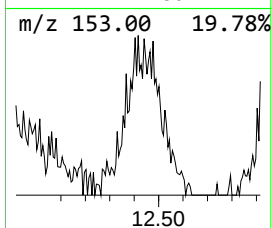
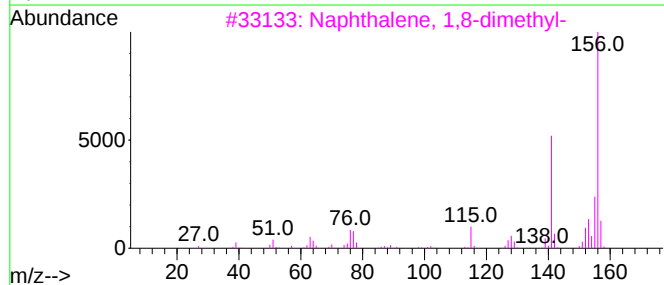
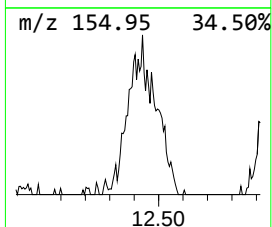
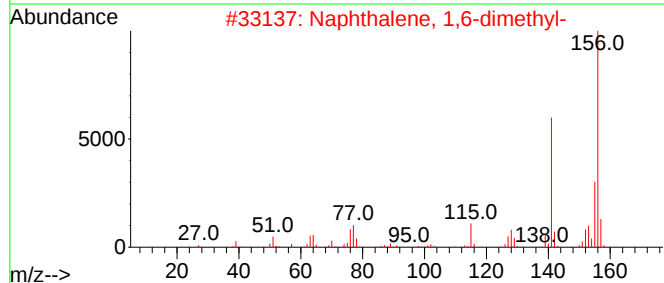
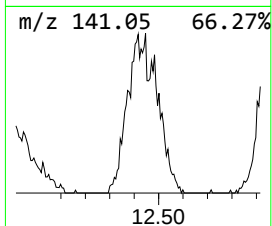
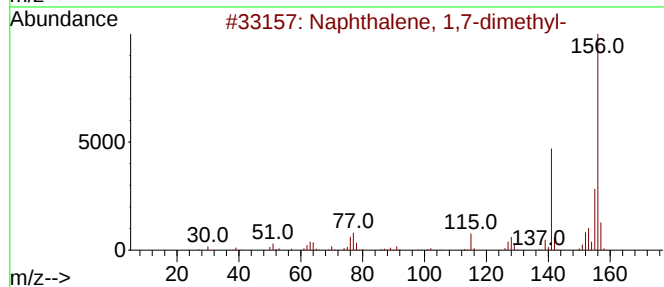
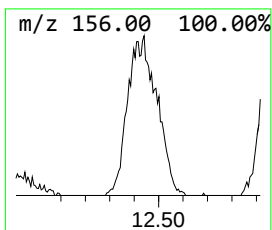
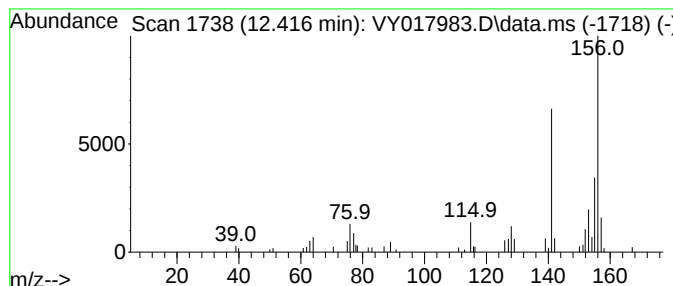
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	116.14 ug/l	65601	Chlorobenzene-d5	11.496

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



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Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

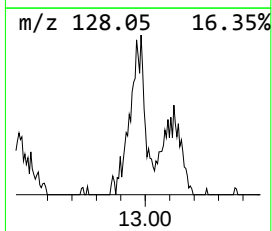
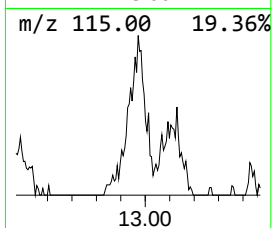
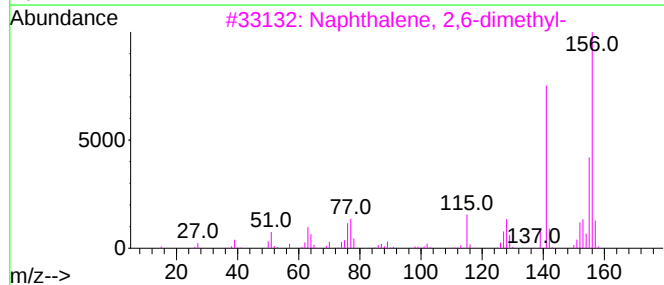
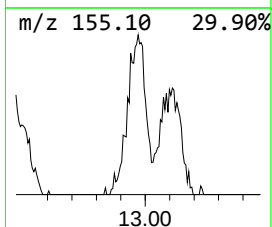
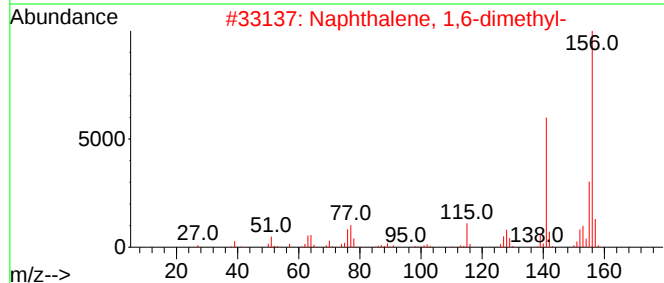
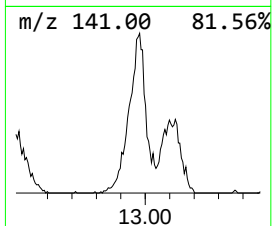
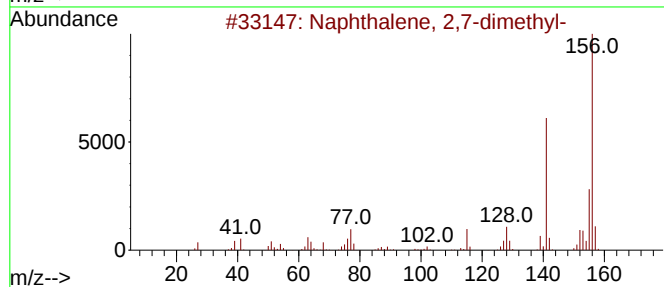
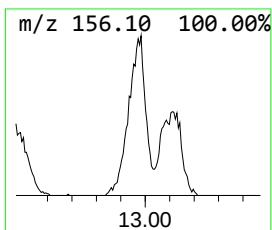
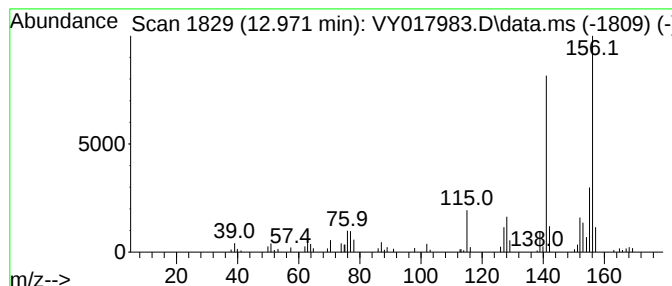
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	1548.87 ug/l	170252	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

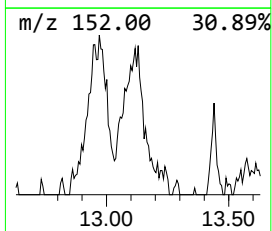
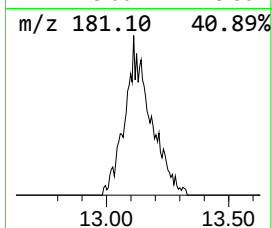
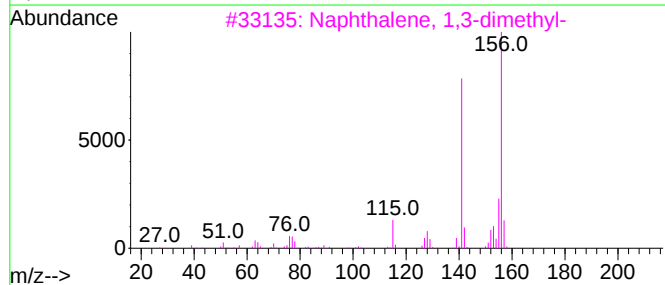
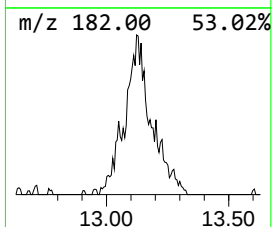
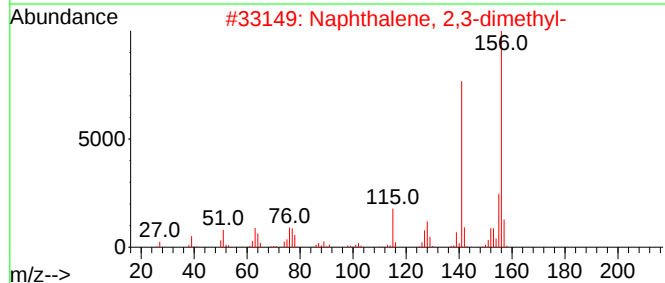
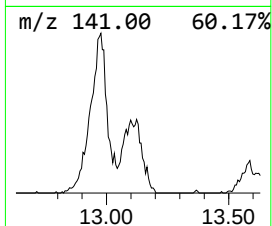
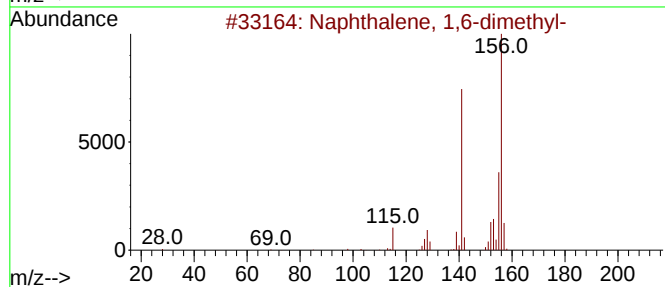
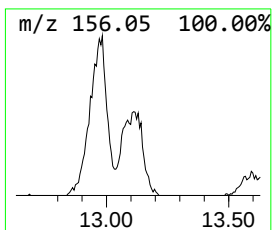
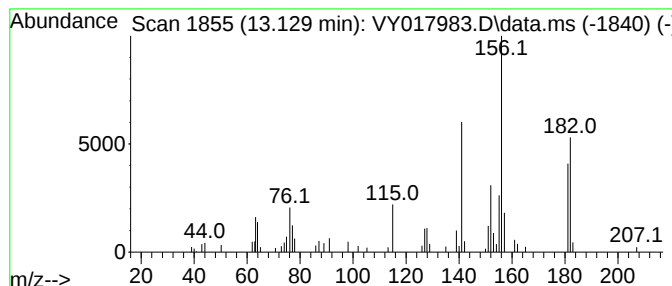
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.129	1184.43 ug/l	130192	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	78
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	60
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	60
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	60



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Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

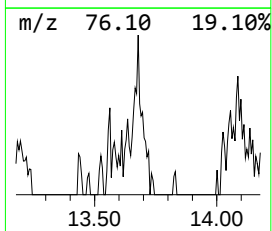
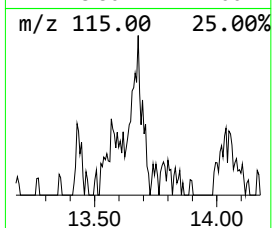
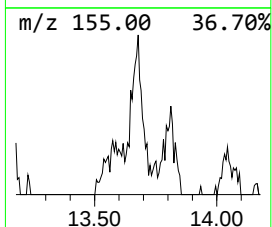
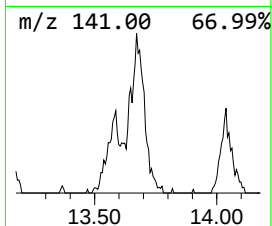
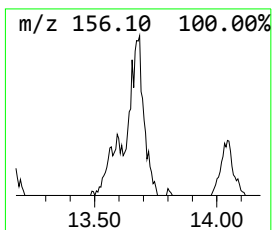
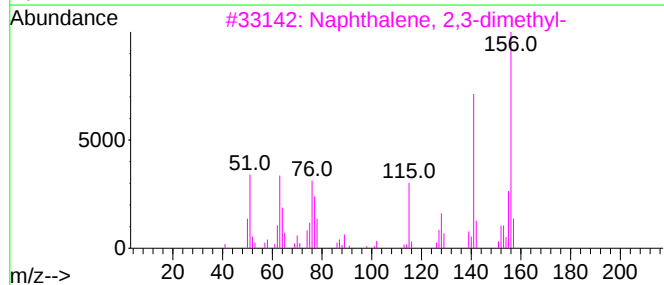
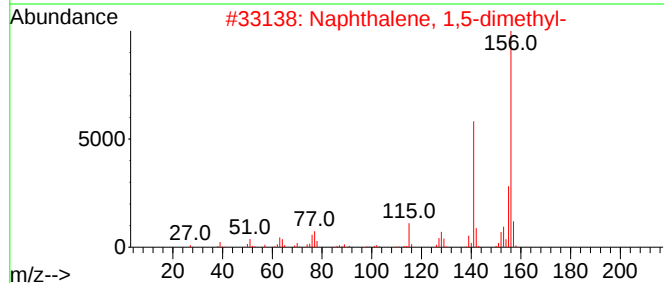
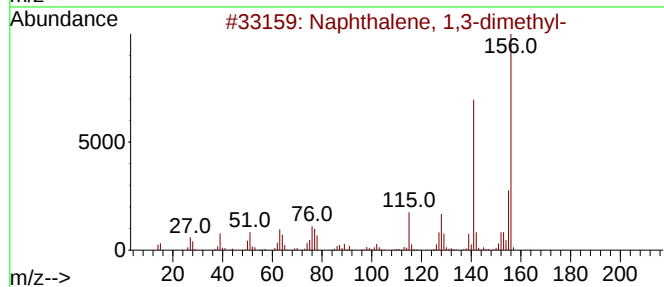
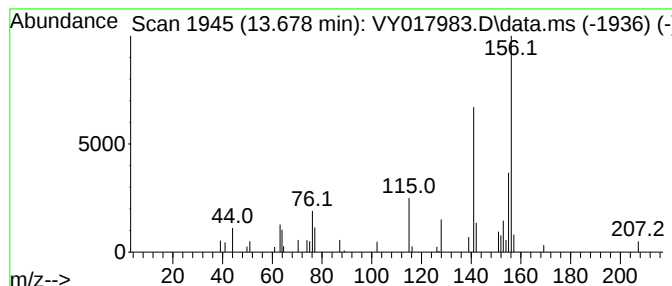
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.678	409.01 ug/l	44958	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	90
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	87



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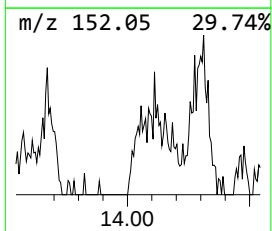
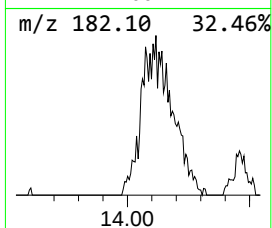
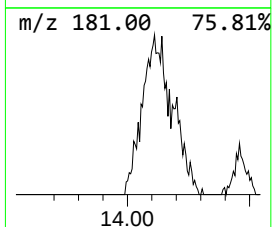
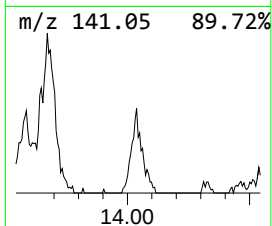
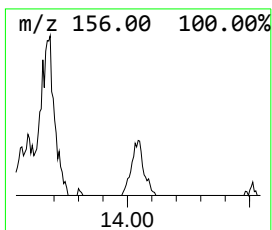
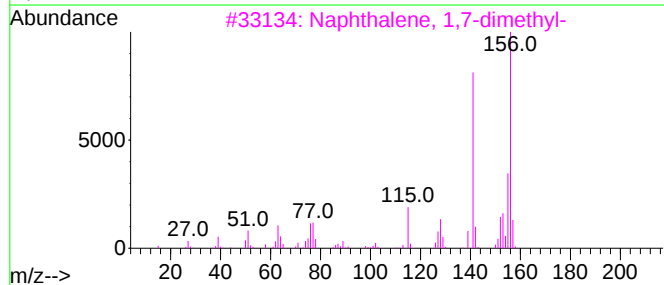
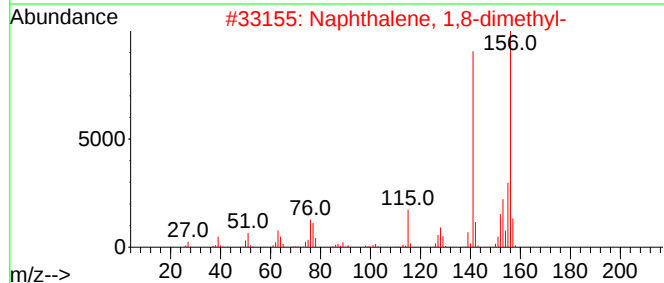
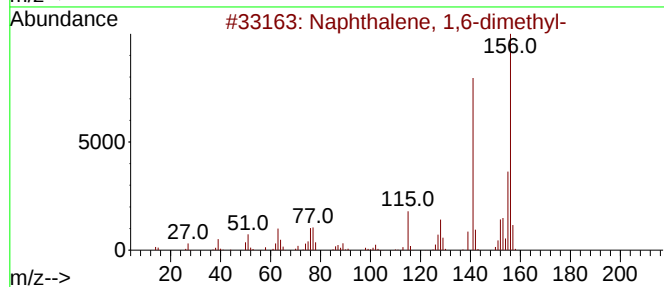
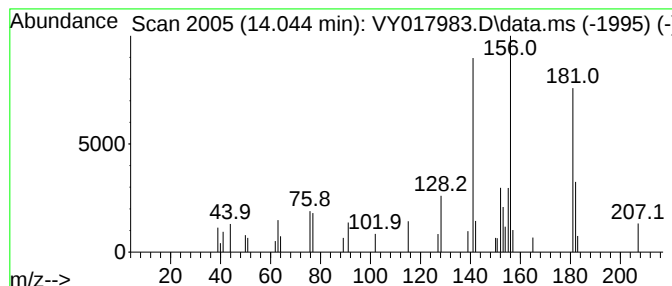
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,8-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.044	121.35 ug/l	13339	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
2			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	87
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	87
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	70
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	55



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MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

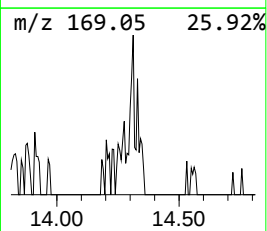
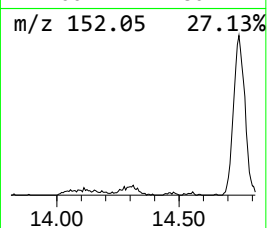
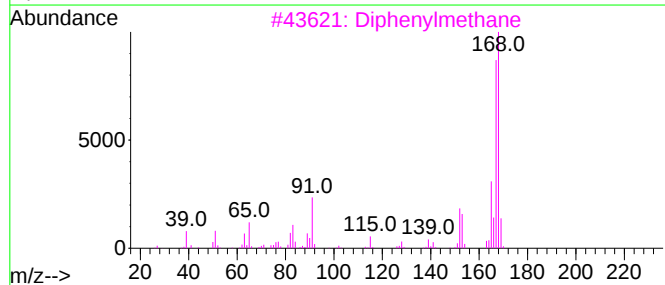
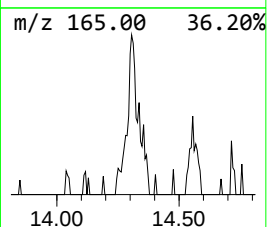
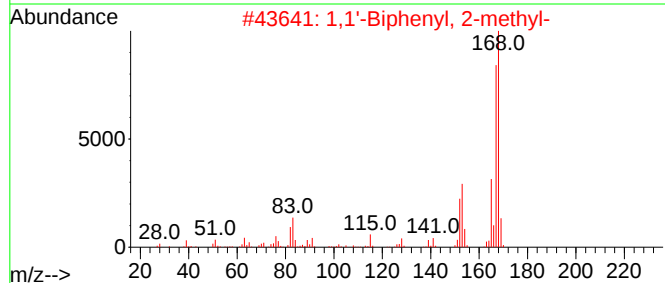
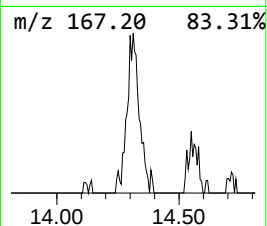
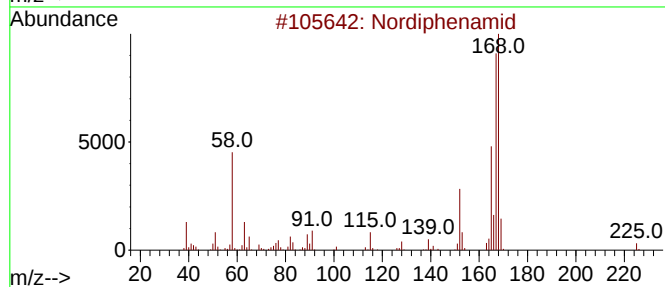
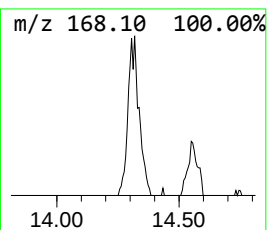
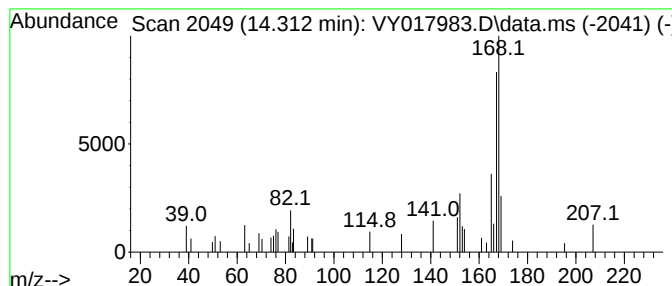
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Quant Title : SW846 8260

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

Peak Number 6 Nordiphenamid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	208.13 ug/l	22878	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nordiphenamid	225	C15H15NO	000954-21-2	80
2			1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
3			Diphenylmethane	168	C13H12	000101-81-5	64
4			Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
5			Benzeneacetamide, .alpha.-phenyl...	337	C18H18F3NO2	1000350-80-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
Data File : VY017983.D
Acq On : 18 Apr 2024 18:02
Operator : SY/MD
Sample : P2178-03
Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

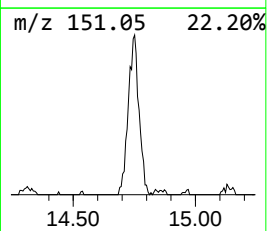
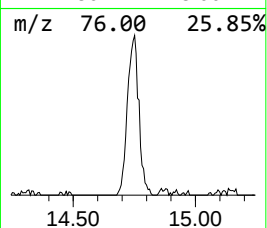
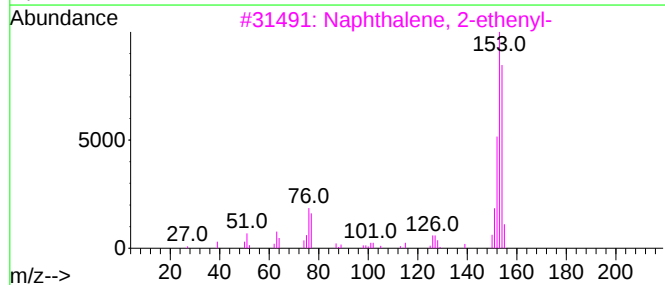
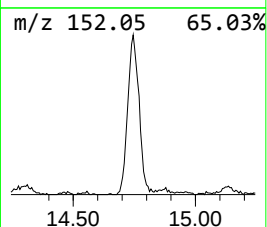
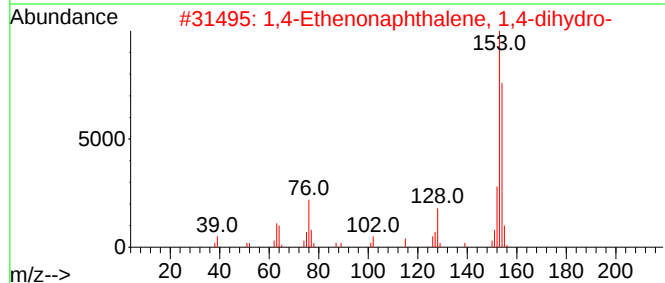
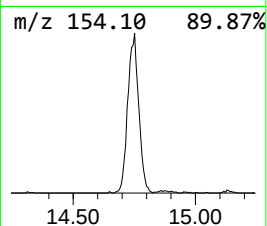
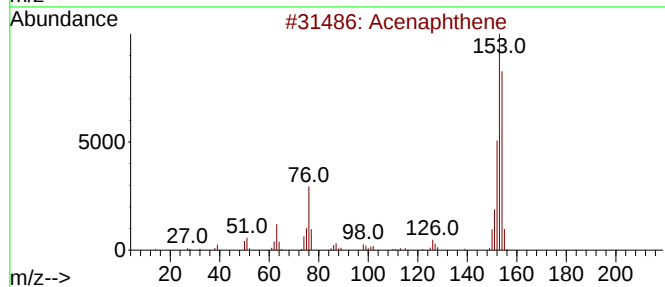
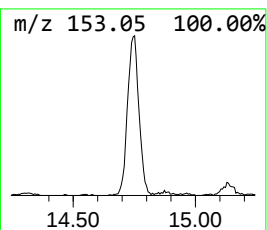
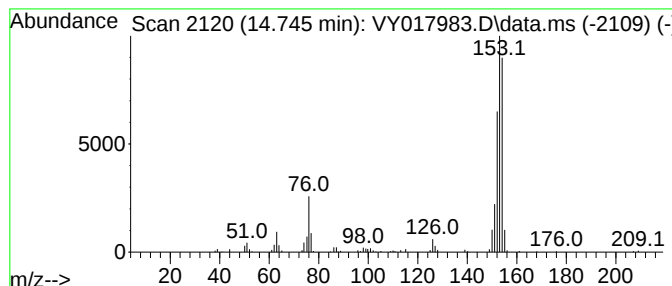
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MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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

Peak Number 7 1,4-Ethenonaphthalene, 1,4-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.745	2097.13 ug/l	230517	1,4-Dichlorobenzene-d4		13.440	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Acenaphthene		154	C12H10	000083-32-9	76
2	1,4-Ethenonaphthalene, 1,4-dihydro-		154	C12H10	007322-47-6	64
3	Naphthalene, 2-ethenyl-		154	C12H10	000827-54-3	53
4	Hexa-2,4-diyn-1-ylbenzene		154	C12H10	000520-74-1	53
5	.beta.-(1-Naphthyl)acrylic acid		198	C13H10O2	013026-12-5	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
Data File : VY017983.D
Acq On : 18 Apr 2024 18:02
Operator : SY/MD
Sample : P2178-03
Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

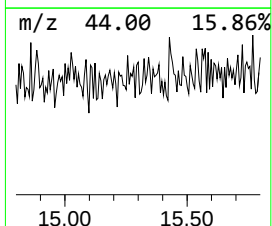
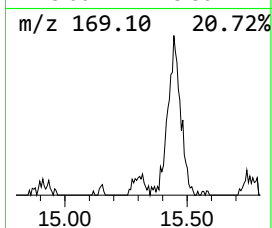
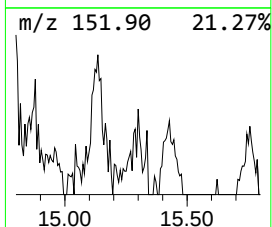
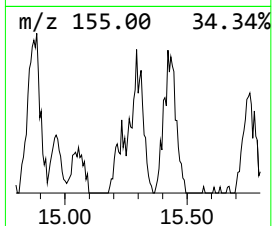
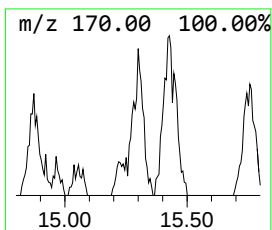
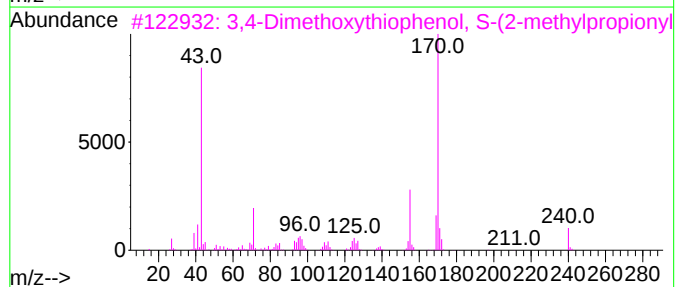
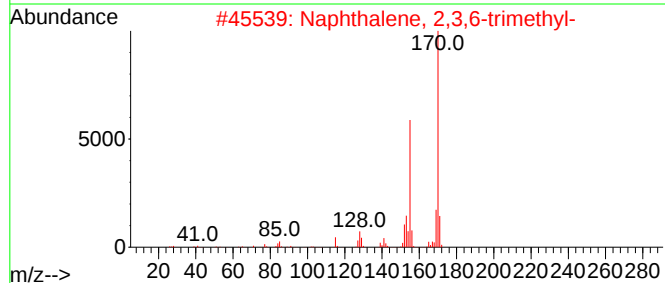
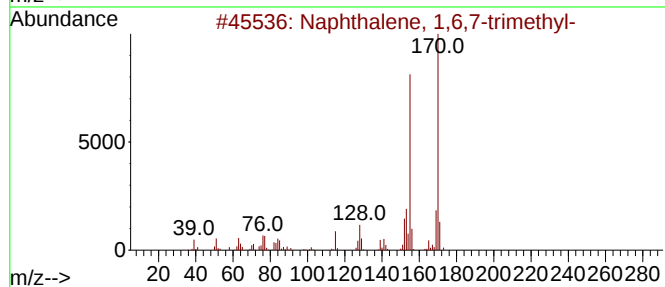
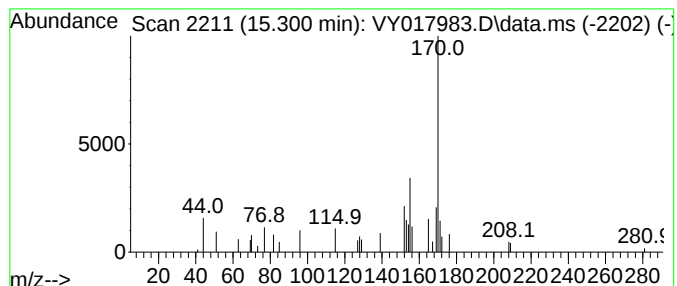
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.300	181.69 ug/l	19971	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	68
3			3,4-Dimethoxythiophenol, S-(2-me...	240	C12H16O3S	1010469-93-1	59
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	59
5			6-Methyl-2-thiouracil, O,S-dimet...	170	C7H10N2OS	1000365-47-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
Data File : VY017983.D
Acq On : 18 Apr 2024 18:02
Operator : SY/MD
Sample : P2178-03
Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

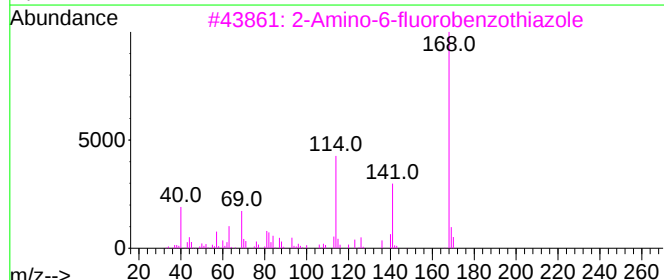
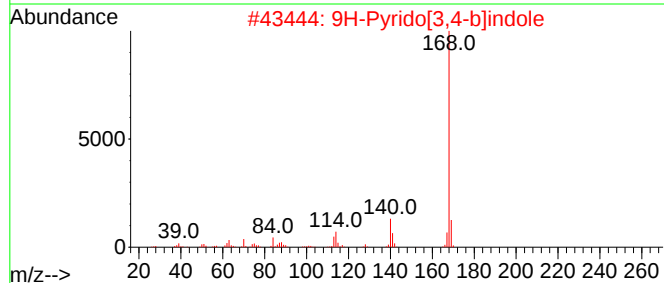
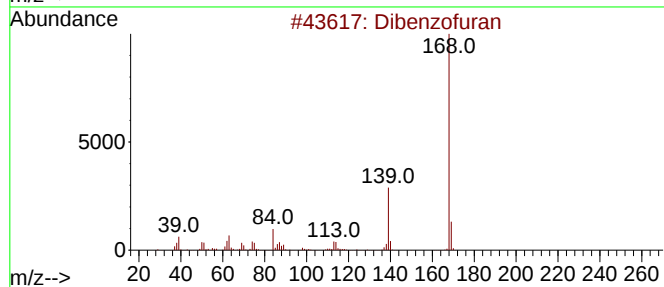
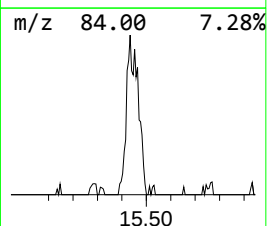
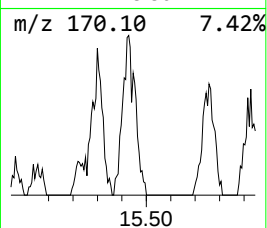
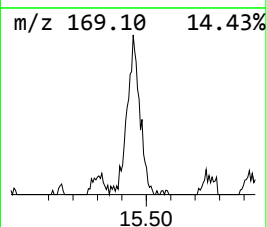
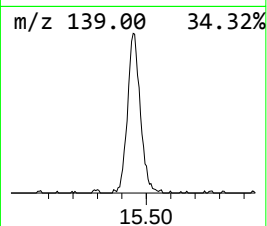
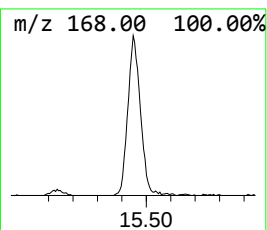
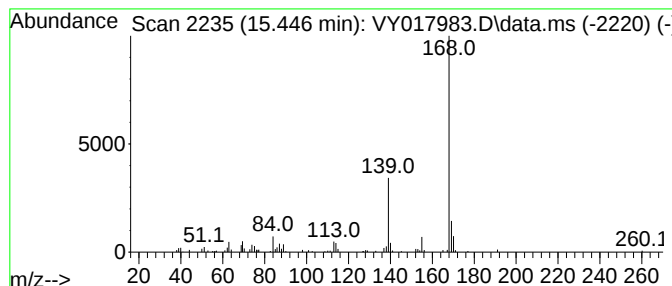
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Quant Title : SW846 8260

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

Peak Number 9 Dibenzofuran Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.446	1338.79 ug/l	147160	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran	168	C12H8O	000132-64-9	93
2			9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	59
3			2-Amino-6-fluorobenzothiazole	168	C7H5FN2S	000348-40-3	58
4			Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	53
5			1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
Data File : VY017983.D
Acq On : 18 Apr 2024 18:02
Operator : SY/MD
Sample : P2178-03
Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

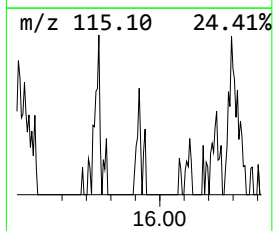
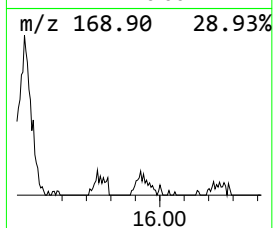
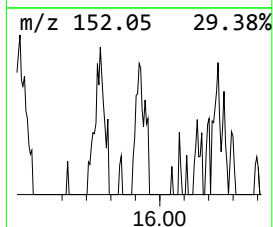
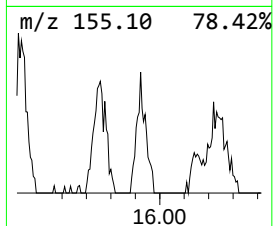
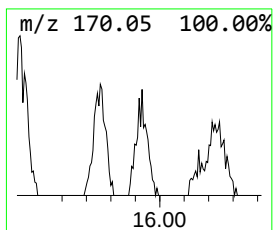
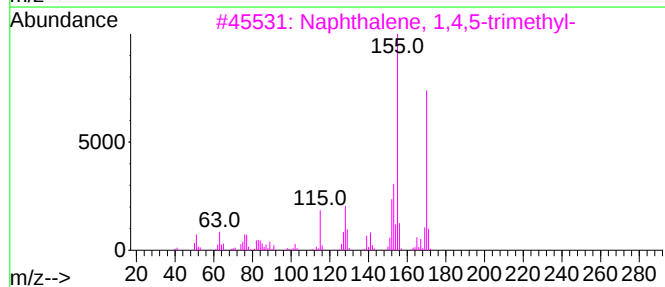
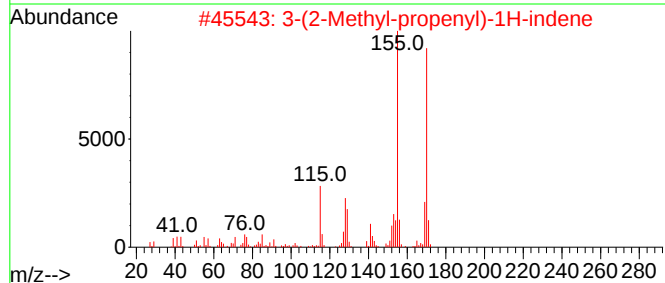
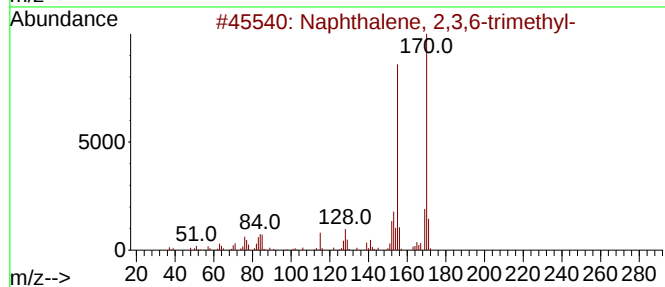
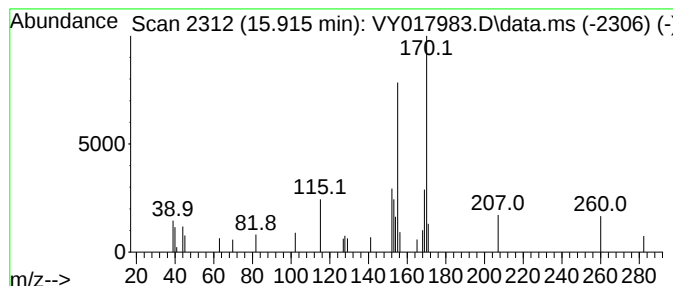
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.915	124.18 ug/l	13650	1,4-Dichlorobenzene-d4	13.440

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
2			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	81
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	81
4			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
Data File : VY017983.D
Acq On : 18 Apr 2024 18:02
Operator : SY/MD
Sample : P2178-03
Misc : 3.66g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOPSOIL-LKWD-DENALI-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.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,...	12.416	116.1	ug/l	65601	3	11.496	28242	50.0
Naphthalene, 2,...	12.971	1548.9	ug/l	170252	4	13.440	5496	50.0
Naphthalene, 1,...	13.129	1184.4	ug/l	130192	4	13.440	5496	50.0
Naphthalene, 1,...	13.678	409.0	ug/l	44958	4	13.440	5496	50.0
Naphthalene, 1,...	14.044	121.3	ug/l	13339	4	13.440	5496	50.0
Nordiphenamid	14.312	208.1	ug/l	22878	4	13.440	5496	50.0
1,4-Ethenonapht...	14.745	2097.1	ug/l	230517	4	13.440	5496	50.0
Naphthalene, 1,...	15.300	181.7	ug/l	19971	4	13.440	5496	50.0
Dibenzofuran	15.446	1338.8	ug/l	147160	4	13.440	5496	50.0
Naphthalene, 2,...	15.915	124.2	ug/l	13650	4	13.440	5496	50.0