LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

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\82D120823S.M
Title : SW846 8260

Signal : TIC: VD077976.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.687	12	17	20	rBV2	2569	3610	1.14%	0.141%
2	1.740	20	26	36	rVV	167282	317367	100.00%	12.414%
3	4.816	544	549	551	rBV4	2307	3533	1.11%	0.138%
4	7.057	927	930	933	rBV3	3495	4272	1.35%	0.167%
5	7.810	1050	1058	1064	rBV2	34309	87005	27.41%	3.403%
6	7.881	1064	1070	1080	rVB2	49074	111739	35.21%	4.371%
7	8.234	1121	1130	1139	rBV2	34751	79356	25.00%	3.104%
8	8.781	1214	1223	1230	rBV	81263	161875	51.01%	6.332%
9	10.269	1469	1476	1484	rBV	129213	236107	74.40%	9.236%
10	10.669	1539	1544	1545	rBV3	3055	3931	1.24%	0.154%
11	11.587	1693	1700	1709	rVB	121087	218467	68.84%	8.546%
12	12.575	1862	1868	1874	rBV	100920	158189	49.84%	6.188%
13	12.869	1913	1918	1919	rBV3	3230	4391	1.38%	0.172%
14	12.904	1919	1924	1928	rVV6	8456	16623	5.24%	0.650%
15	13.069	1943	1952	1957	rBV6	7854	13793	4.35%	0.540%
16	13.404	2003	2009	2014	rBV5	4185	8015	2.53%	0.314%
17	13.522	2022	2029	2039	rBV	129562	231717	73.01%	9.064%
18	13.686	2052	2057	2058	rBV4	2550	3212	1.01%	0.126%
19	13.716	2058	2062	2066	rVV2	14218	22421	7.06%	0.877%
20	13.757	2066	2069	2076	rVB3	11199	19470	6.13%	0.762%
21	13.851	2079	2085	2088	rVB8	10187	16133	5.08%	0.631%
22	13.922	2092	2097	2100	rBV2	6750	10837	3.41%	0.424%
23	14.069	2117	2122	2127	rVB2	10566	18383	5.79%	0.719%
24	14.116	2127	2130	2134	rBV4	4035	5618	1.77%	0.220%
25	14.175	2134	2140	2145	rVB5	18951	30068	9.47%	1.176%
26	14.304	2157	2162	2167	rBV6	5536	10536	3.32%	0.412%
27	14.357	2167	2171	2174	rVV4	5419	9294	2.93%	0.364%
28	14.386	2174	2176	2179	rVV2	7579	9301	2.93%	0.364%
29	14.428	2179	2183	2186	rVV4	12245	15367	4.84%	0.601%
30	14.469	2186	2190	2194	rVV3	9433	12292	3.87%	0.481%
31	14.510	2194	2197	2205	rVB7	8896	15516	4.89%	0.607%
32	14.569	2205	2207	2208	rBV2	4463	4016	1.27%	0.157%
33	14.610	2210	2214	2218	rVV4	8697	13303	4.19%	0.520%
34	14.657	2218	2222	2226	rVV5	12670	21736	6.85%	0.850%
35	14.698	2226	2229	2234	rVB5	13162	18015	5.68%	0.705%
36	14.781	2234	2243	2247	rBV5	36849	81761	25.76%	3.198%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

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\82D120823S.M
Title : SW846 8260

37	14.828	2247	2251	2253	rVV3	7844	12053	3.80%	0.471%
38	14.928	2261	2268	2273	rBV4	26630	45103	14.21%	1.764%
39	15.004	2277	2281	2282	rVV4	5873	7243	2.28%	0.283%
40	15.033	2282	2286	2290	rVV6	16994	30625	9.65%	1.198%
41	15.069	2290	2292	2297	rVV5	10854	17982	5.67%	0.703%
42	15.151	2300	2306	2313	rVB5	20675	47948	15.11%	1.876%
43	15.304	2328	2332	2336	rBV6	4372	8828	2.78%	0.345%
44	15.339	2336	2338	2341	rVB4	5959	5281	1.66%	0.207%
45	15.392	2341	2347	2352	rBV5	17929	33354	10.51%	1.305%
46	15.451	2352	2357	2358	rBV5	12038	19259	6.07%	0.753%
47	15.628	2381	2387	2392	rVB5	17115	30119	9.49%	1.178%
48	15.704	2396	2400	2405	rVB7	3552	5139	1.62%	0.201%
49	15.792	2405	2415	2416	rBV9	11290	23988	7.56%	0.938%
50	15.833	2417	2422	2429	rVB4	38076	71753	22.61%	2.807%
51	15.922	2433	2437	2440	rBV5	5708	7315	2.30%	0.286%
52	16.139	2464	2474	2482	rBV3	23356	56013	17.65%	2.191%
53	16.339	2497	2508	2515	rVV7	23685	59454	18.73%	2.326%
54	16.398	2515	2518	2524	rVV8	10448	21360	6.73%	0.836%
55	16.451	2525	2527	2531	rVV5	4505	6032	1.90%	0.236%
56	16.498	2533	2535	2540	rVB5	2764	3461	1.09%	0.135%
57	16.580	2546	2549	2550	rBV3	5061	4572	1.44%	0.179%
58	16.610	2550	2554	2557	rVV7	8742	16692	5.26%	0.653%
59	16.657	2560	2562	2569	rVB5	5878	9941	3.13%	0.389%
60	16.739	2570	2576	2584	rVB8	6732	15700	4.95%	0.614%

Sum of corrected areas: 2556484

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
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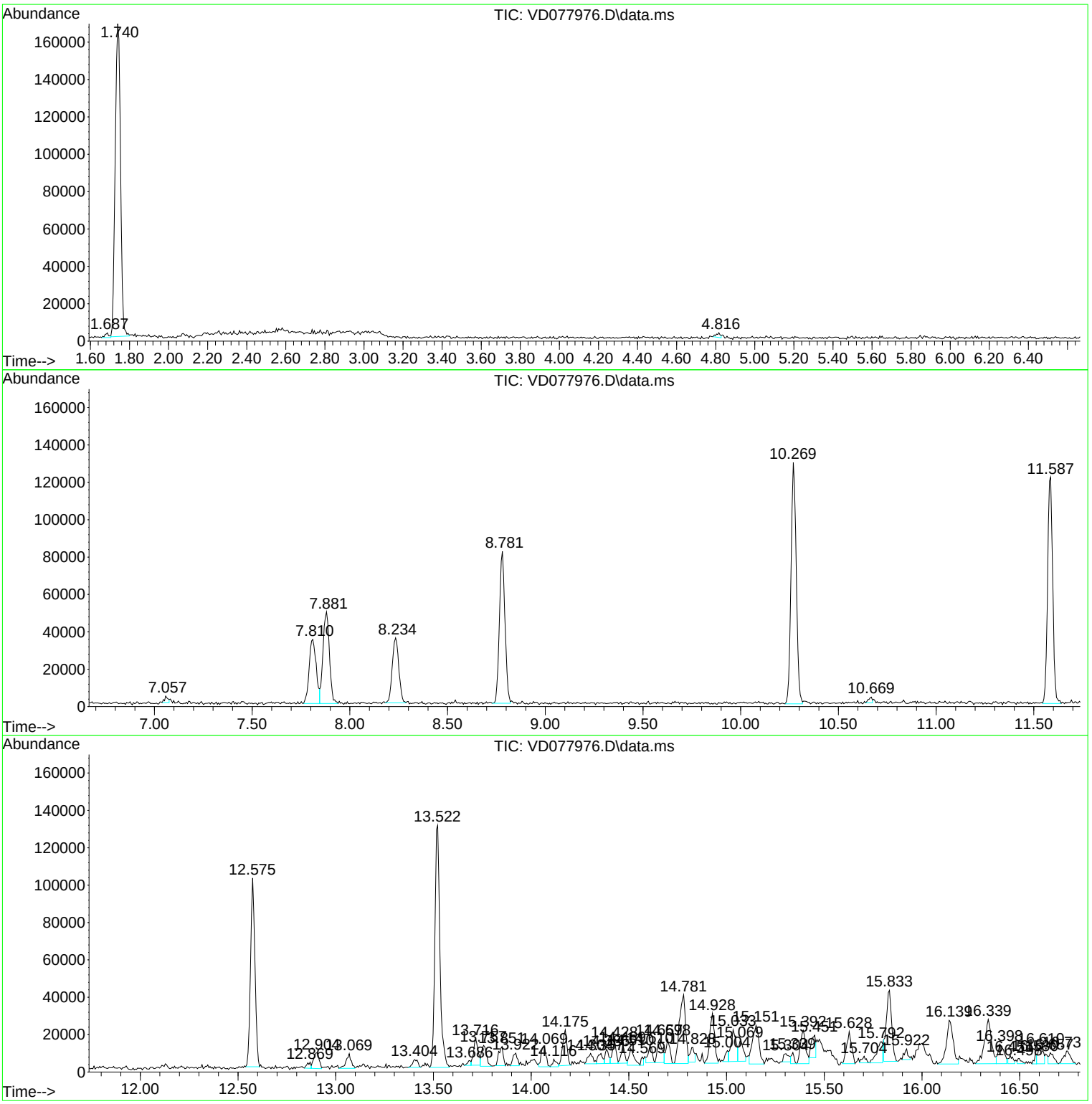
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

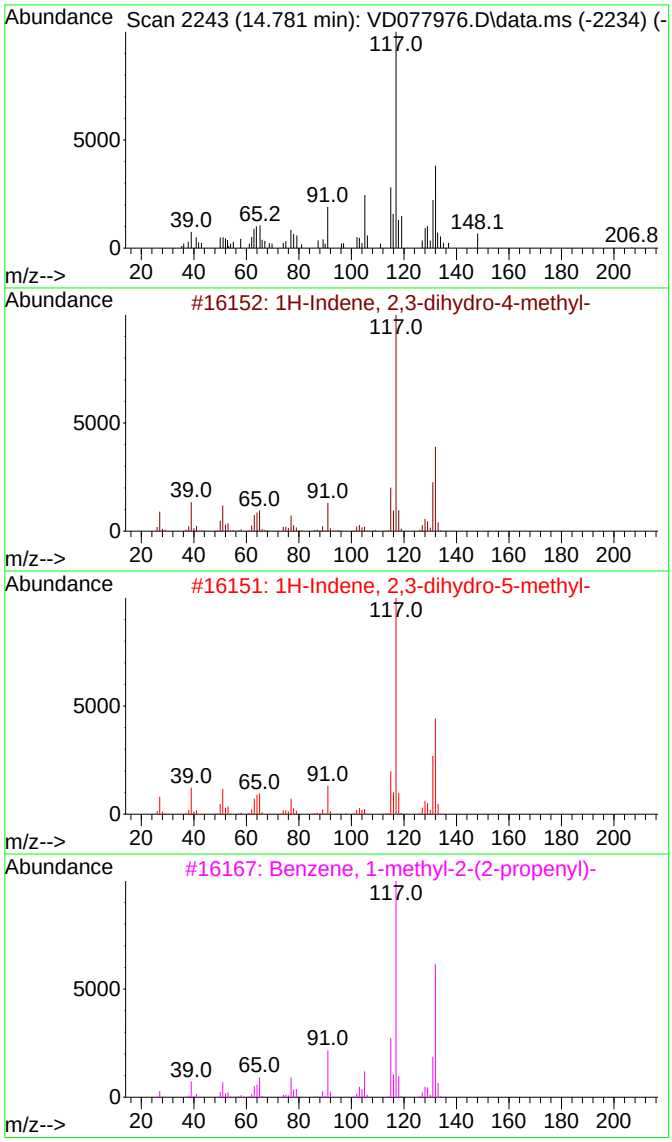
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

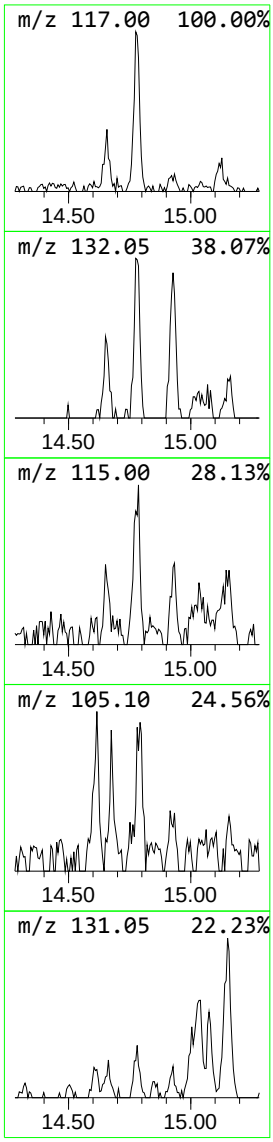
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.781	17.64 ug/l	81761	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

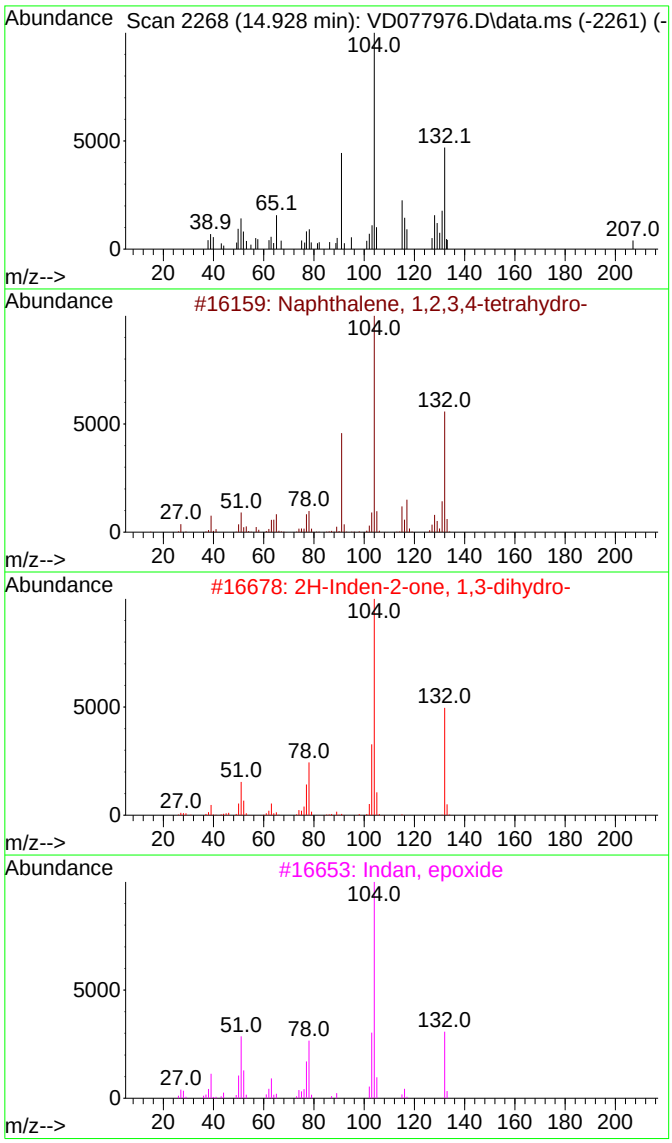
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

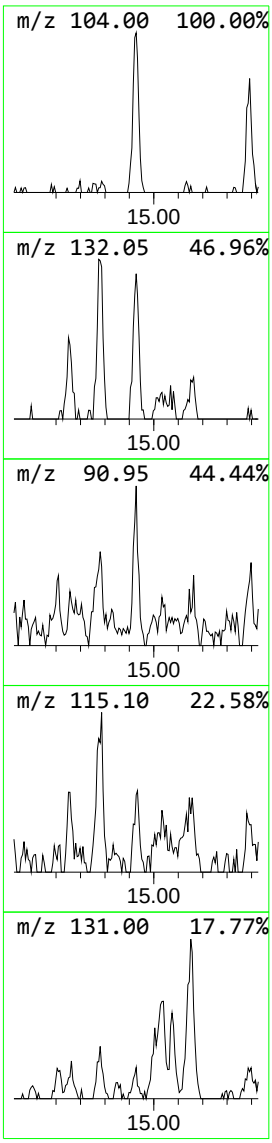
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.928	9.73 ug/l	45103	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	68
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49
3	Indan, epoxide	132	C9H8O	000768-22-9	49
4	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	47
5	2,6-Piperidinedione, 3-phenyl-	189	C11H11NO2	014149-34-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

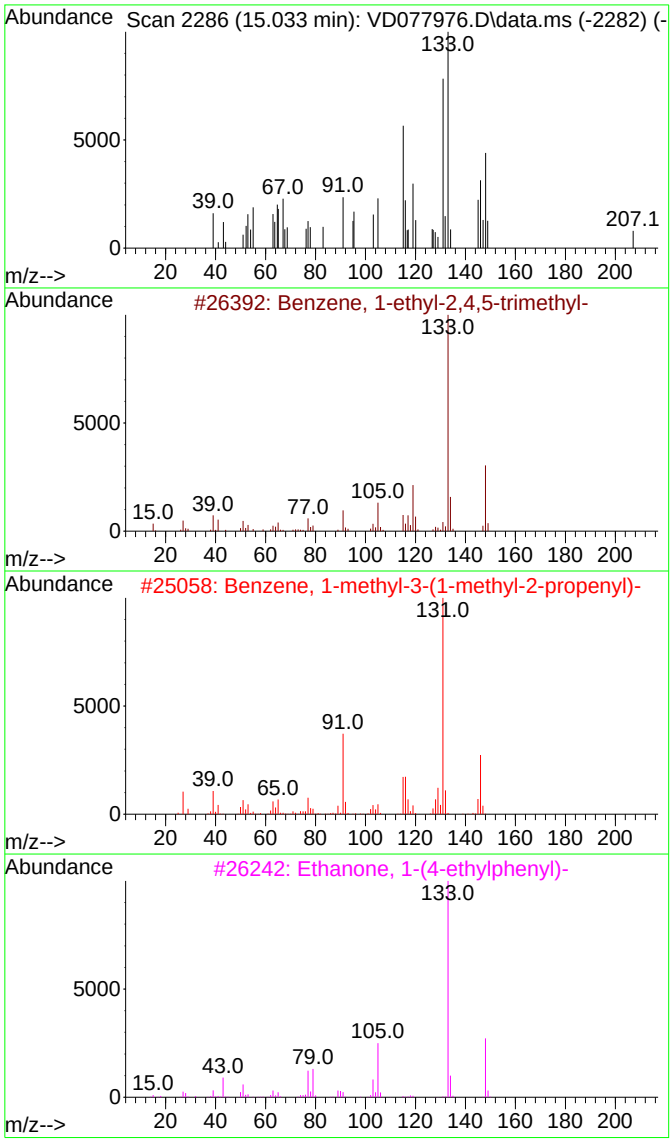
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

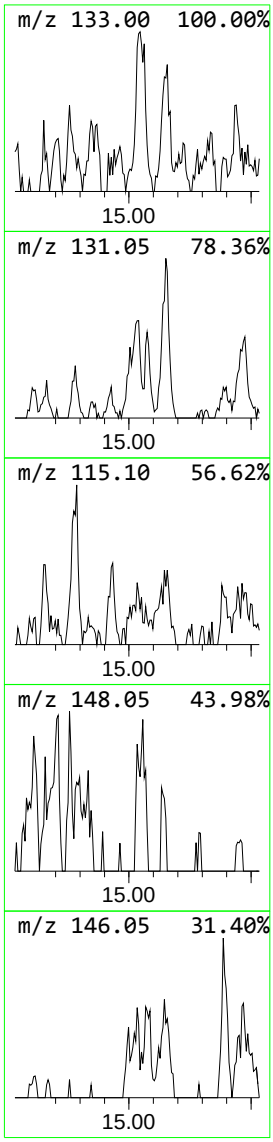
****

Peak Number 4 unknown15.033 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.033	6.61 ug/l	30625	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	18
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	14
3	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	11
4	2-(1-Methyl-2-propenyl)phenol	148	C10H12O	1000432-85-2	11
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

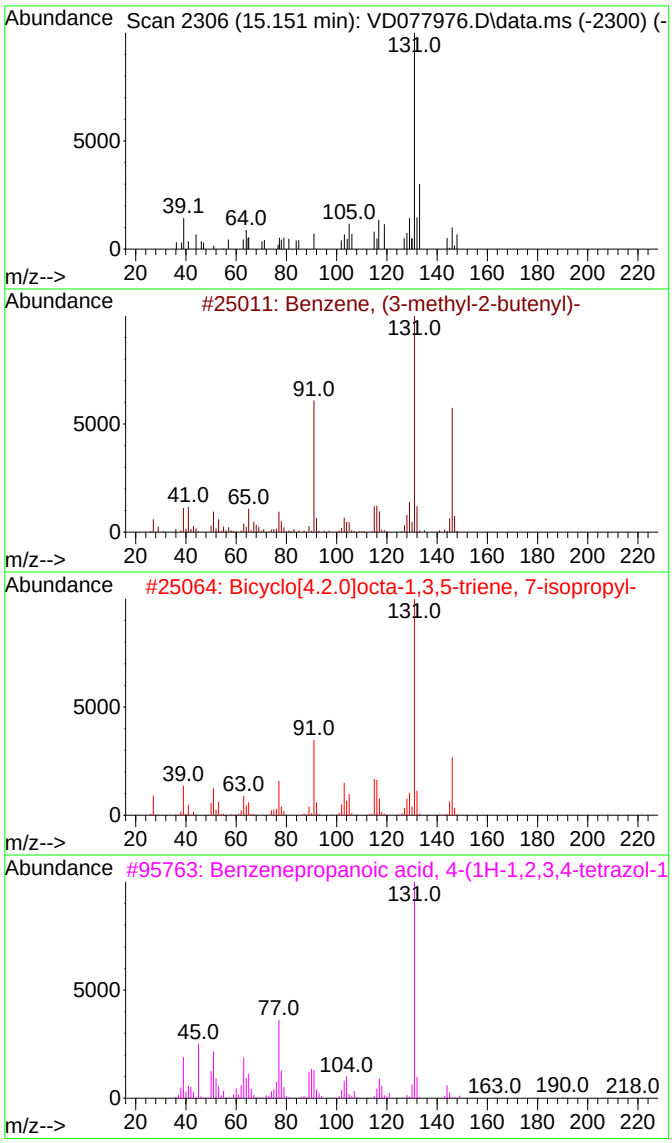
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

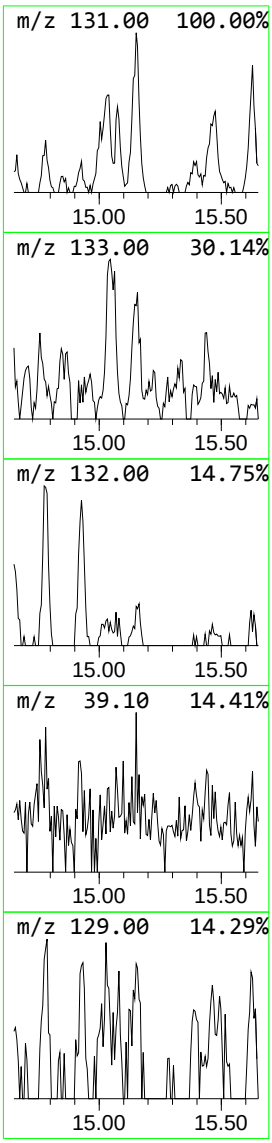
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, (3-methyl-2-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.151	10.35 ug/l	47948	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	53
3	Benzenepropanoic acid, 4-(1H-1,2...	218	C10H10N4O2	1000349-98-4	50
4	(R)-2-Cyclopentyl-2-(p-tolyl)ace...	199	C14H17N	1379452-64-8	47
5	(S)-2-Cyclopentyl-2-(p-tolyl)ace...	199	C14H17N	1000482-86-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

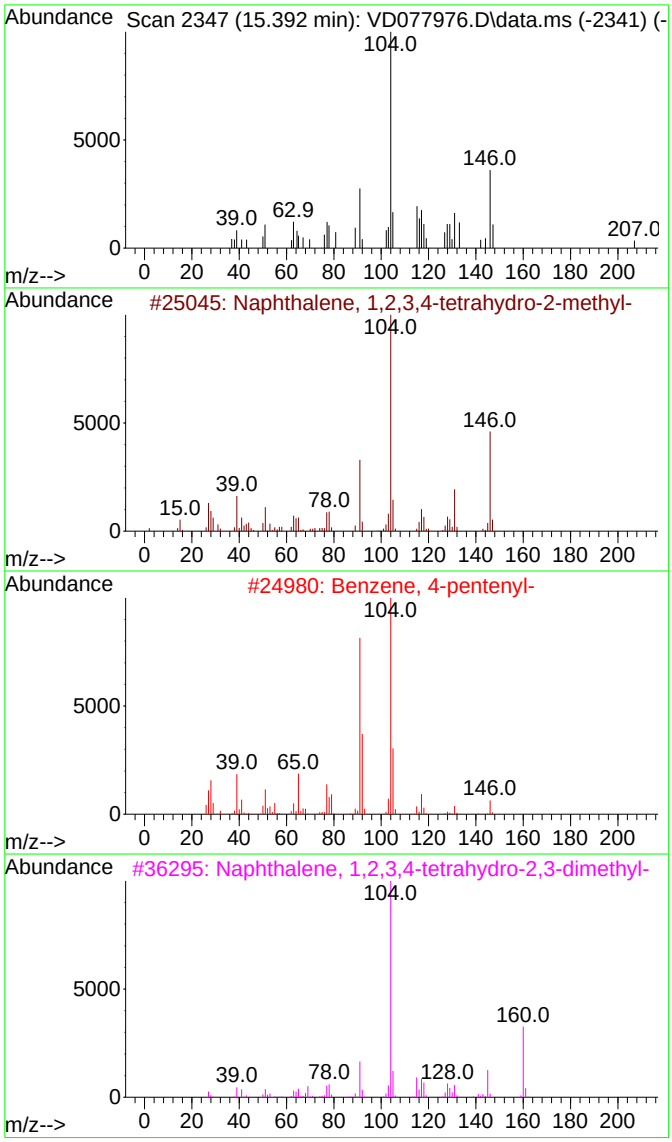
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

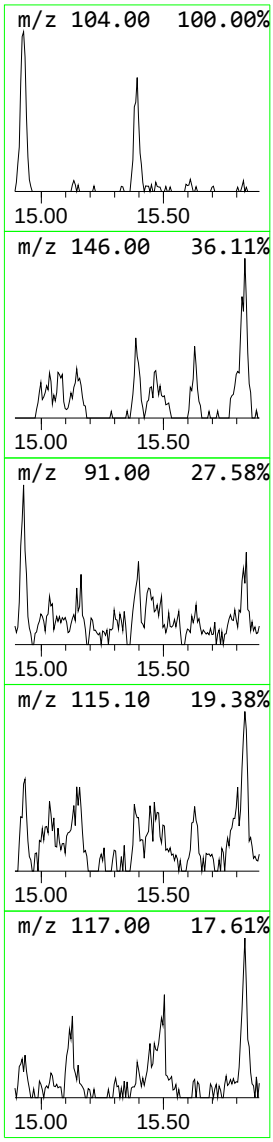
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	7.20 ug/l	33354	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	76
2	Benzene, 4-pentenyl-	146	C11H14	001075-74-7	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	53
4	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	50
5	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

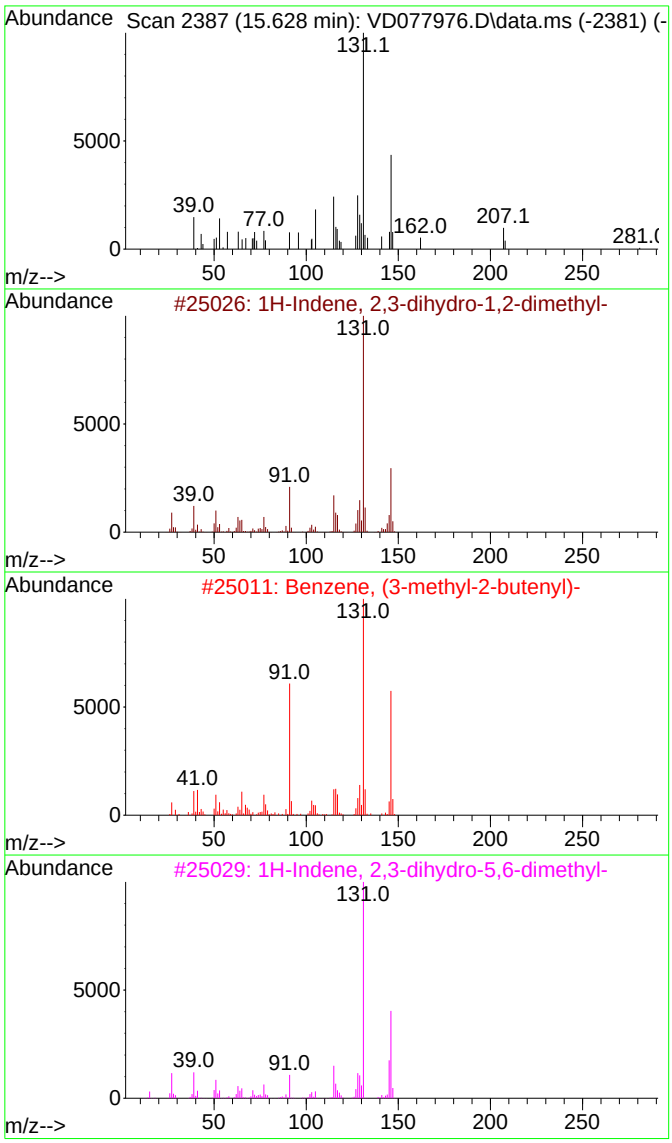
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

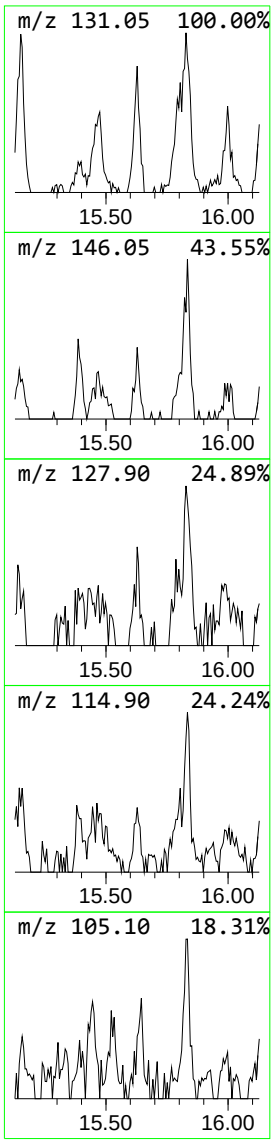
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.628	6.50 ug/l	30119	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	74
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	72
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5	Benzene, (2-methyl-1-methylenepr...	146	C11H14	017498-71-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

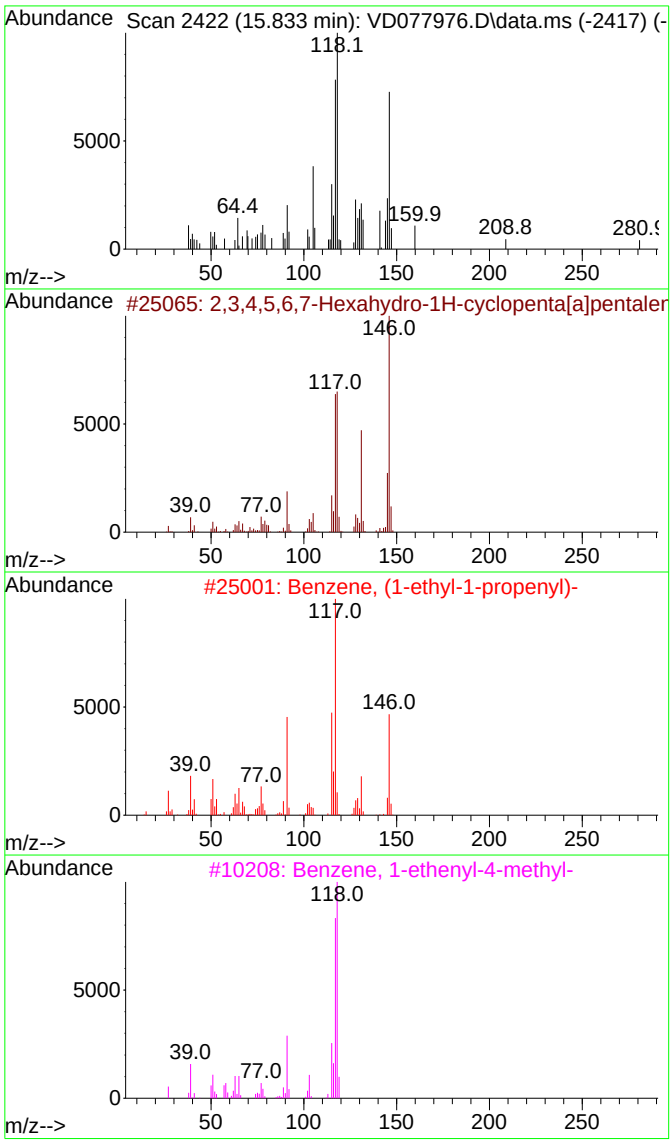
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

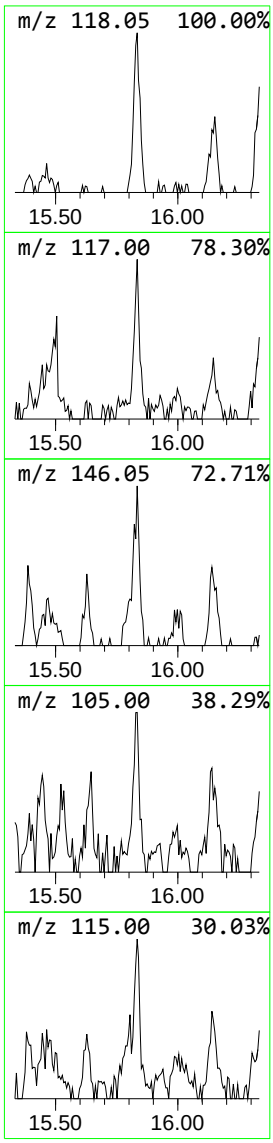
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2,3,4,5,6,7-Hexahydro-1H-cy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.833	15.48 ug/l	71753	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1010189-31-0	72
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	49
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	46
5	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	45





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Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

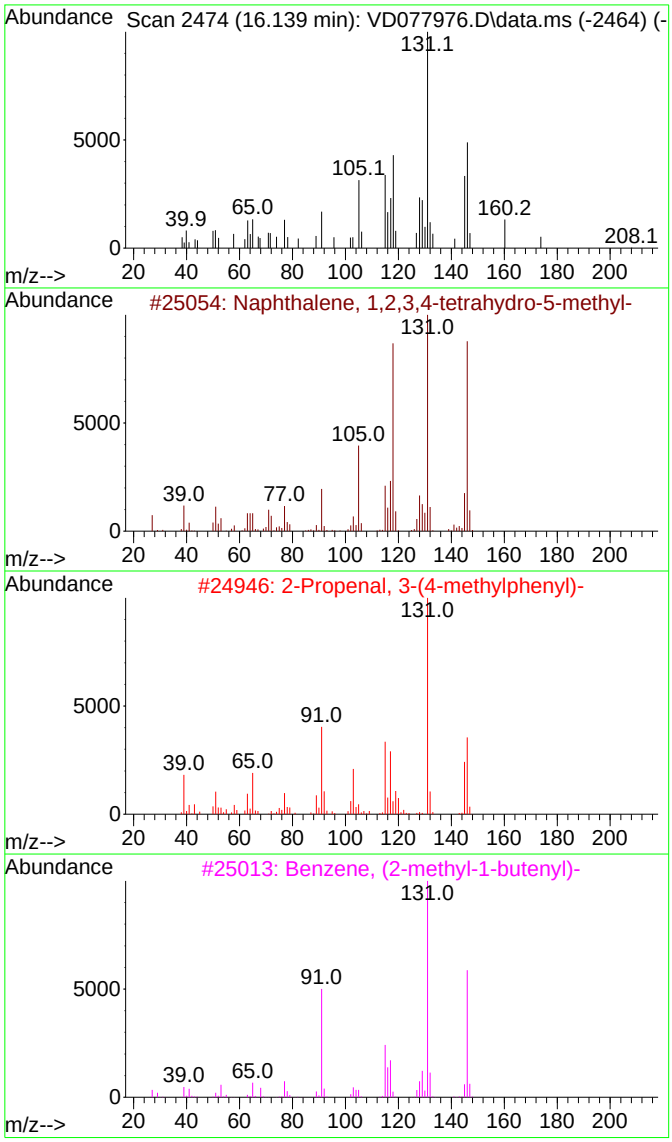
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

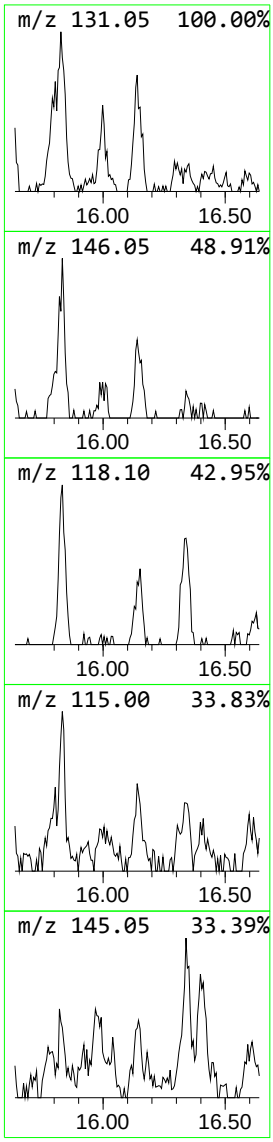
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.139	12.09 ug/l	56013	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	74
2	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	64
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	58
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

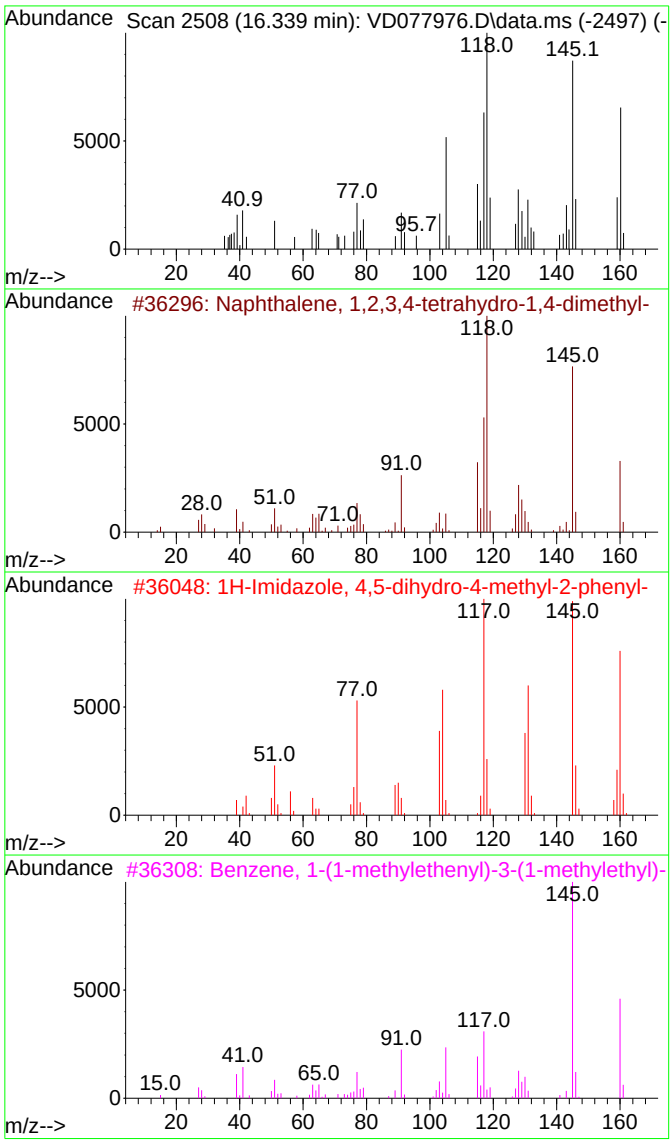
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

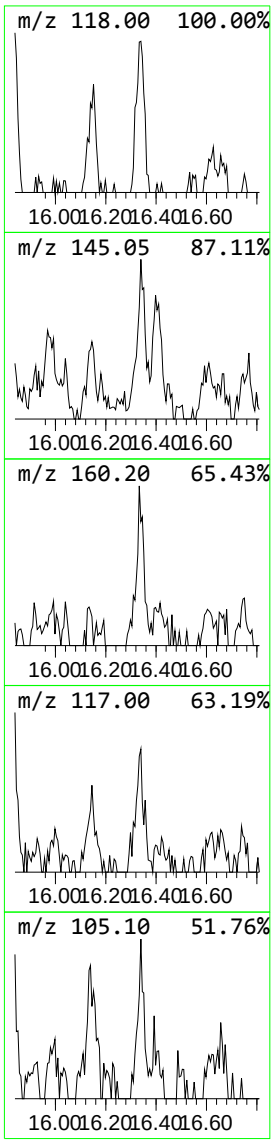
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.339	12.83 ug/l	59454	1,4-Dichlorobenzene-d4	13.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
2	1H-Imidazole, 4,5-dihydro-4-meth...	160	C10H12N2	000939-06-0	49
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	43
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	43
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
Data File : VD077976.D
Acq On : 19 Dec 2023 16:12
Operator : RP/MD
Sample : 05882-01
Misc : 5.02G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-121523

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1H-Indene, 2,3-...	14.781	17.6	ug/l	81761	4	13.522	231717	50.0
Naphthalene, 1,...	14.928	9.7	ug/l	45103	4	13.522	231717	50.0
unknown15.033	15.033	6.6	ug/l	30625	4	13.522	231717	50.0
Benzene, (3-met...	15.151	10.4	ug/l	47948	4	13.522	231717	50.0
Naphthalene, 1,...	15.392	7.2	ug/l	33354	4	13.522	231717	50.0
1H-Indene, 2,3-...	15.628	6.5	ug/l	30119	4	13.522	231717	50.0
2,3,4,5,6,7-Hex...	15.833	15.5	ug/l	71753	4	13.522	231717	50.0
Naphthalene, 1,...	16.139	12.1	ug/l	56013	4	13.522	231717	50.0
Naphthalene, 1,...	16.339	12.8	ug/l	59454	4	13.522	231717	50.0