LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

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\82Y062221S.M
Title : SW846 8260

Signal : TIC: VY005225.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.728	959	969	975	rBV	149590	359941	3.62%	0.346%
2	7.801	975	981	994	rVB	235813	538585	5.41%	0.517%
3	8.149	1026	1038	1050	rBV	138632	308094	3.10%	0.296%
4	8.697	1118	1128	1139	rBV	385675	740294	7.44%	0.711%
5	10.185	1364	1372	1380	rBV	628009	1054981	10.61%	1.013%
6	11.496	1578	1587	1595	rBV	575502	918818	9.24%	0.882%
7	12.483	1744	1749	1761	rVB2	469195	757149	7.61%	0.727%
8	12.806	1796	1802	1807	rBV2	241475	377910	3.80%	0.363%
9	13.044	1836	1841	1849	rBV2	137605	221897	2.23%	0.213%
10	13.319	1879	1886	1890	rBV4	170899	346948	3.49%	0.333%
11	13.367	1890	1894	1897	rBV4	171393	258740	2.60%	0.248%
12	13.428	1897	1904	1913	rVB4	769053	1450506	14.58%	1.393%
13	13.501	1913	1916	1922	rBV2	222084	302055	3.04%	0.290%
14	13.568	1922	1927	1930	rBV3	141849	239935	2.41%	0.230%
15	13.623	1932	1936	1939	rBV2	131941	166089	1.67%	0.160%
16	13.666	1939	1943	1950	rBV2	285963	477779	4.80%	0.459%
17	13.757	1951	1958	1962	rBV	3281595	4676141	47.01%	4.491%
18	13.886	1976	1979	1981	rBV	151889	193743	1.95%	0.186%
19	13.916	1981	1984	1989	rVB	459395	629135	6.32%	0.604%
20	13.971	1989	1993	1997	rVB	583759	812901	8.17%	0.781%
21	14.020	1997	2001	2006	rVB2	324107	471334	4.74%	0.453%
22	14.081	2006	2011	2016	rBV2	783587	1246815	12.53%	1.197%
23	14.148	2016	2022	2028	rBV5	387757	993274	9.99%	0.954%
24	14.257	2028	2040	2041	rBV6	1107009	2859150	28.74%	2.746%
25	14.318	2047	2050	2057	rVB2	1040711	2207002	22.19%	2.120%
26	14.385	2057	2061	2064	rBV2	1270428	1723298	17.32%	1.655%
27	14.422	2064	2067	2071	rVB2	1114667	1457375	14.65%	1.400%
28	14.526	2080	2084	2087	rBV	331119	442088	4.44%	0.425%
29	14.568	2087	2091	2094	rBV3	467816	835410	8.40%	0.802%
30	14.617	2094	2099	2103	rVB	7331634	9946959	100.00%	9.553%
31	14.678	2103	2109	2114	rBV4	2167538	4843431	48.69%	4.652%
32	14.733	2114	2118	2125	rVB2	2727881	4152036	41.74%	3.988%
33	14.812	2125	2131	2132	rBV5	320143	651973	6.55%	0.626%
34	14.910	2145	2147	2149	rBV3	243312	280520	2.82%	0.269%
35	14.946	2149	2153	2157	rVV2	1198338	1790339	18.00%	1.719%
36	15.056	2165	2171	2176	rBV3	1568436	3524125	35.43%	3.385%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

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\82Y062221S.M
Title : SW846 8260

37	15.135	2181	2184	2191	rVB5	1598828	3042794	30.59%	2.922%
38	15.215	2191	2197	2205	rBV2	3041103	6321727	63.55%	6.071%
39	15.294	2206	2210	2214	rBV2	715033	1119490	11.25%	1.075%
40	15.349	2214	2219	2224	rBV6	1261914	2706791	27.21%	2.600%
41	15.440	2230	2234	2242	rVB	4878351	7550996	75.91%	7.252%
42	15.532	2242	2249	2256	rBV4	1343102	3615714	36.35%	3.473%
43	15.611	2257	2262	2267	rVB6	1173478	2048195	20.59%	1.967%
44	15.690	2268	2275	2278	rVV4	1053266	2528323	25.42%	2.428%
45	15.733	2278	2282	2289	rVB	1414328	2586886	26.01%	2.484%
46	15.891	2302	2308	2314	rBV4	948829	2249260	22.61%	2.160%
47	16.038	2325	2332	2337	rBV4	1253730	2697398	27.12%	2.591%
48	16.159	2349	2352	2356	rBV4	282435	390349	3.92%	0.375%
49	16.233	2359	2364	2369	rVV	989950	1954906	19.65%	1.878%
50	16.294	2369	2374	2381	rVB	3826448	6934802	69.72%	6.660%
51	16.489	2399	2406	2414	rBV	2522057	5580775	56.11%	5.360%
52	16.769	2446	2452	2455	rBV2	263925	536483	5.39%	0.515%

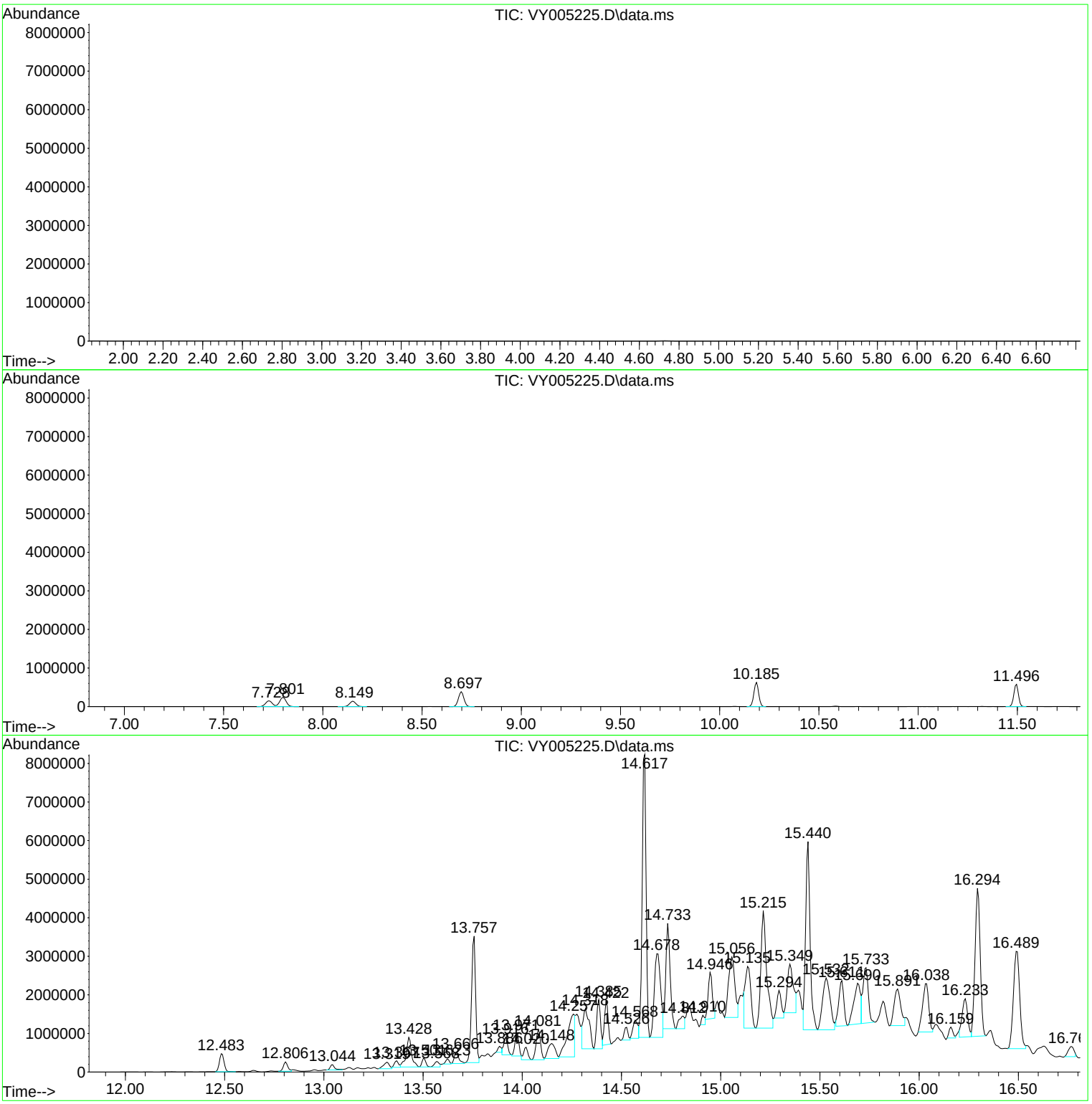
Sum of corrected areas: 104121659

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

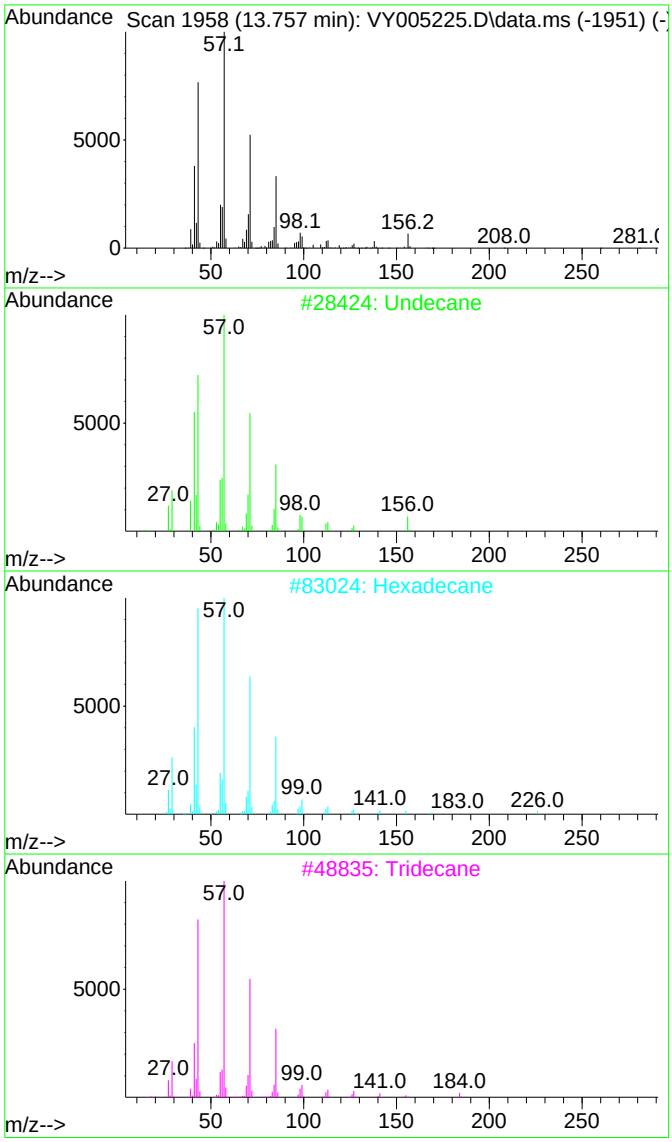
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

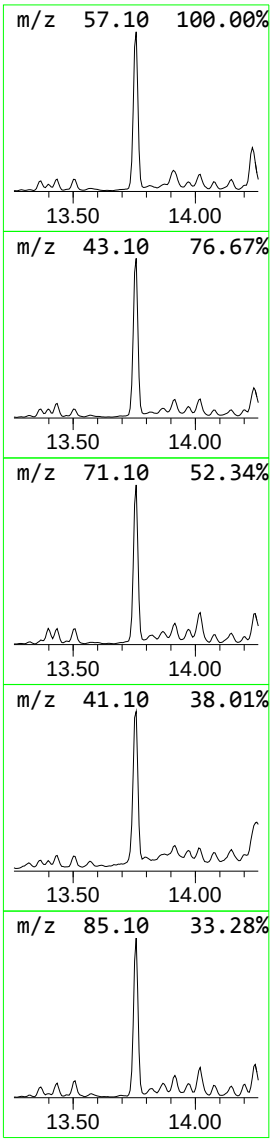
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.758	161.19 ug/l	4676140	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	83
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
5	Tetradecane	198	C14H30	000629-59-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

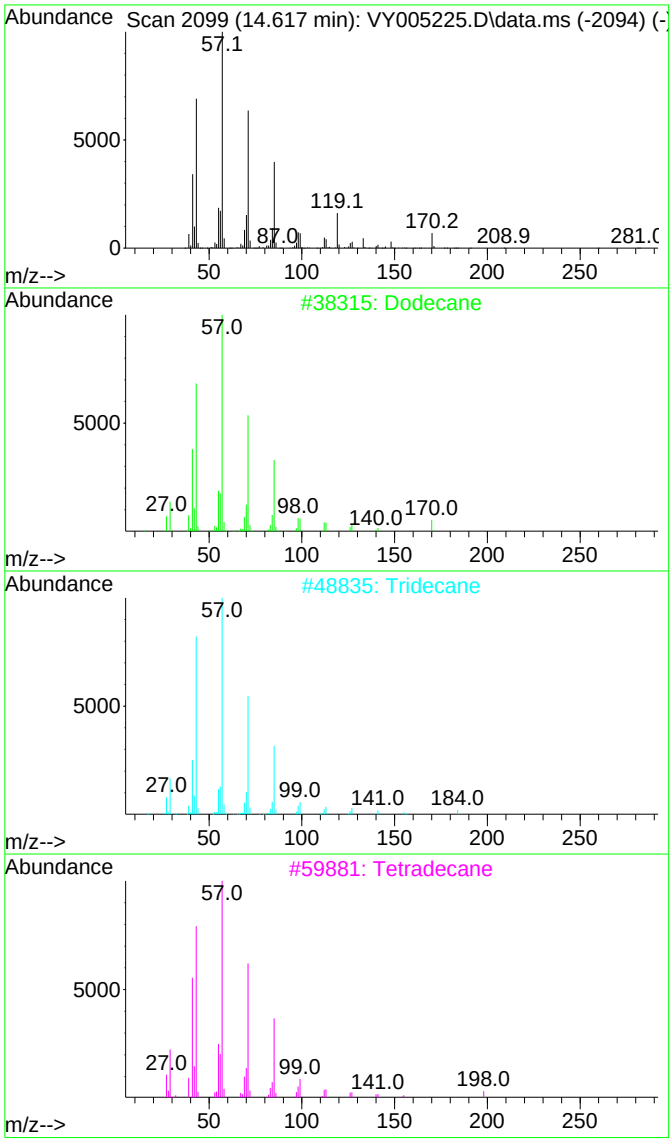
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

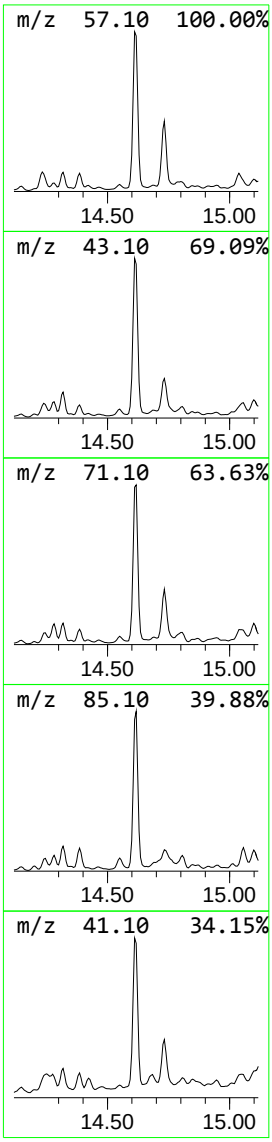
****

Peak Number 2 Dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.617	342.88 ug/l	9946960	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Tridecane	184	C13H28	000629-50-5	80
3	Tetradecane	198	C14H30	000629-59-4	72
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
5	Nonane	128	C9H20	000111-84-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

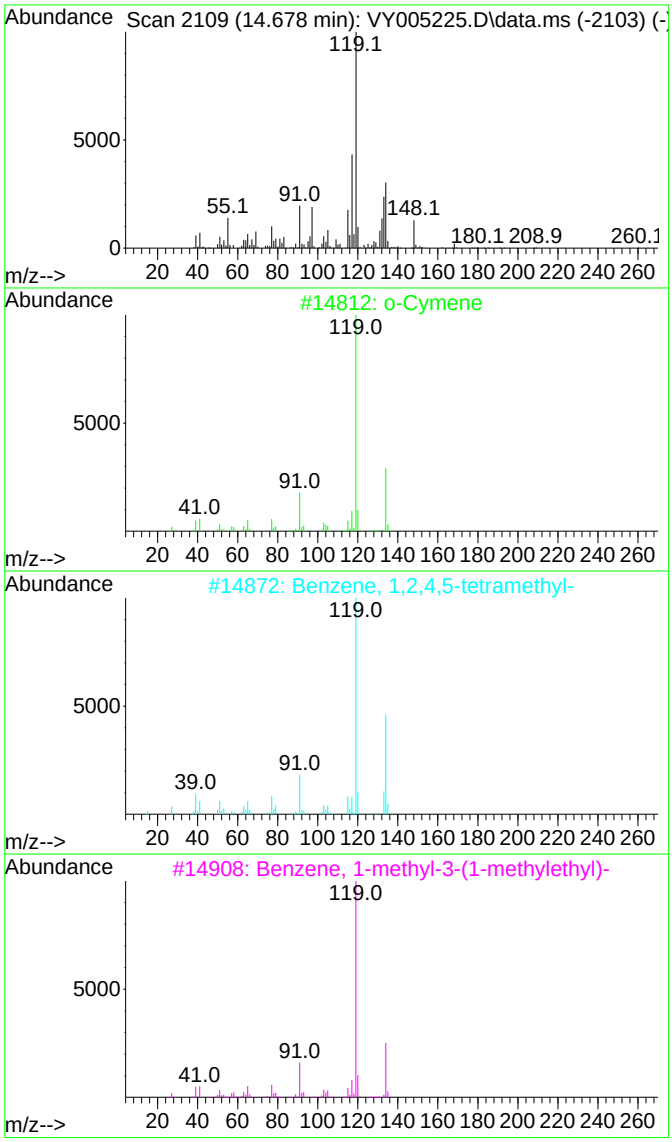
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

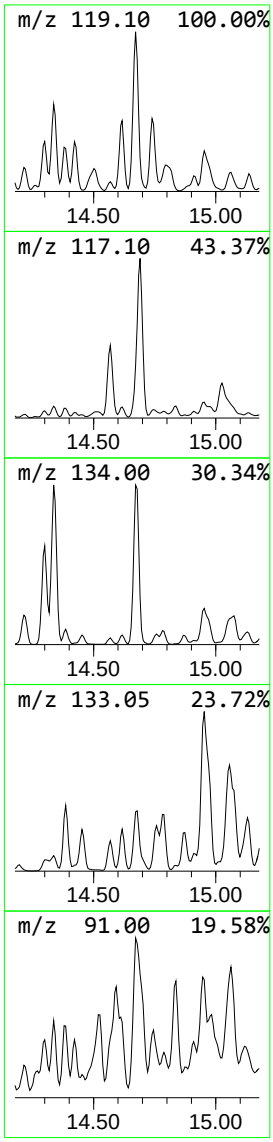
****

Peak Number 3 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	166.96 ug/l	4843430	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	55
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

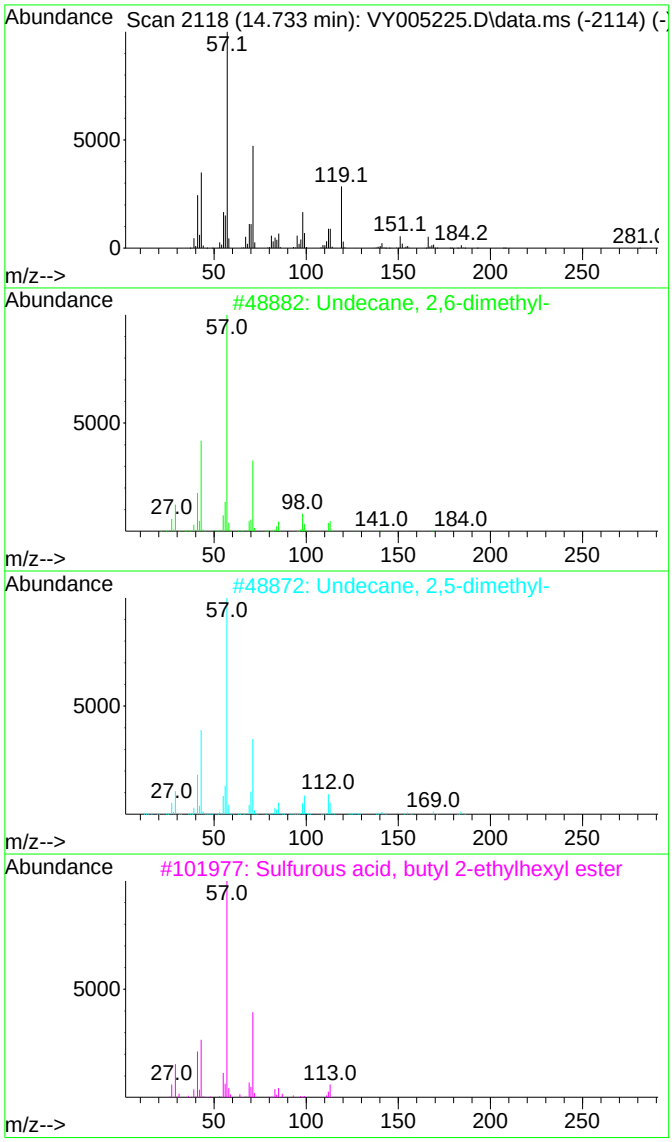
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

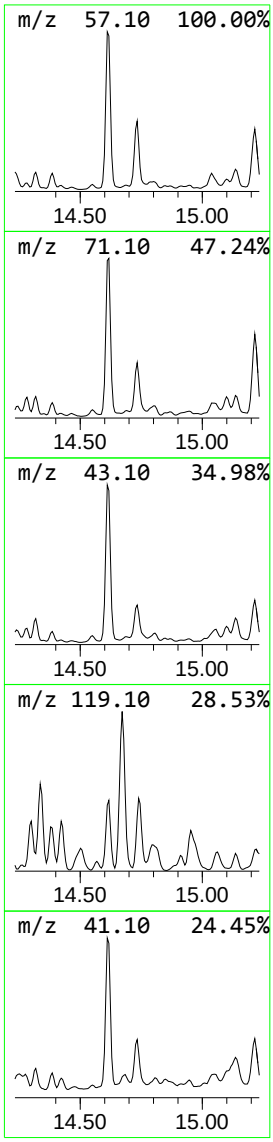
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.733	143.12 ug/l	4152040	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	89
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	83
3	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	47
4	Heptacosane	380	C27H56	000593-49-7	47
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

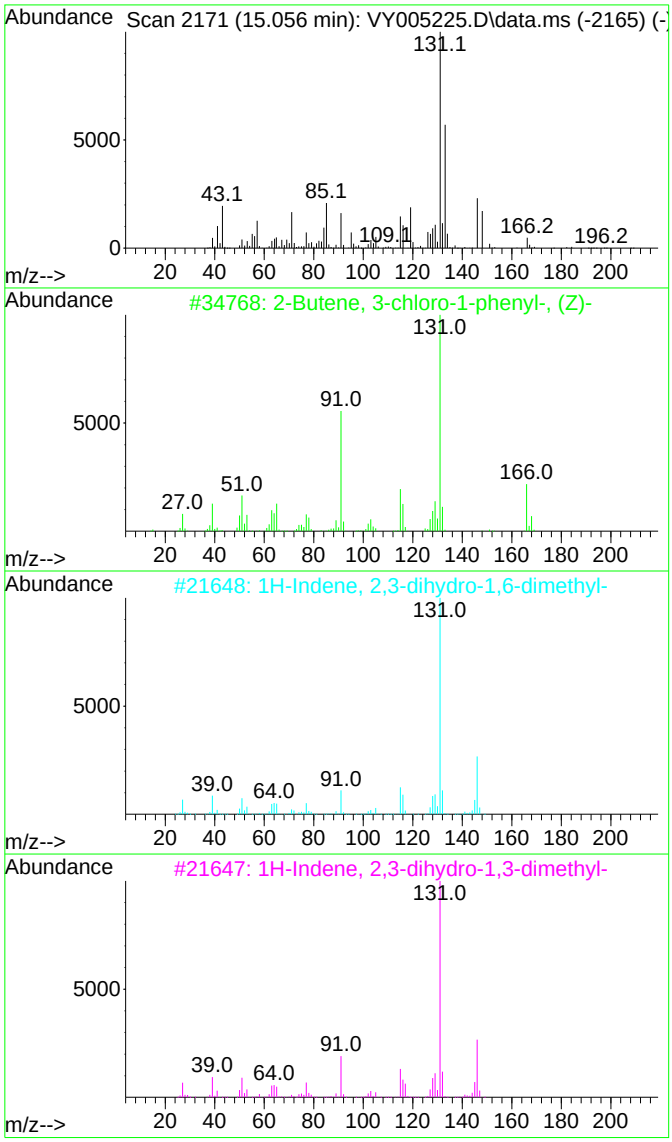
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

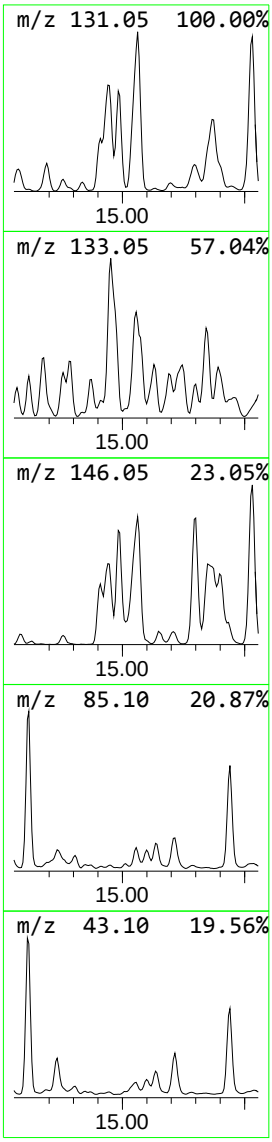
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2-Butene, 3-chloro-1-phenyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	121.48 ug/l	3524130	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	70
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	60
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

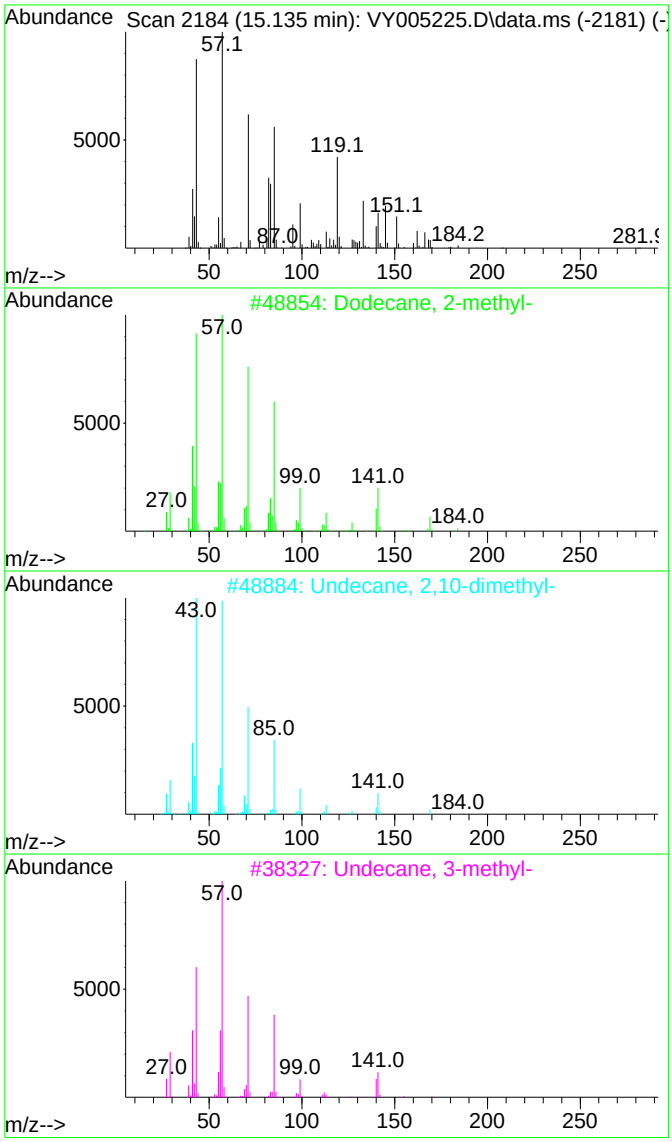
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

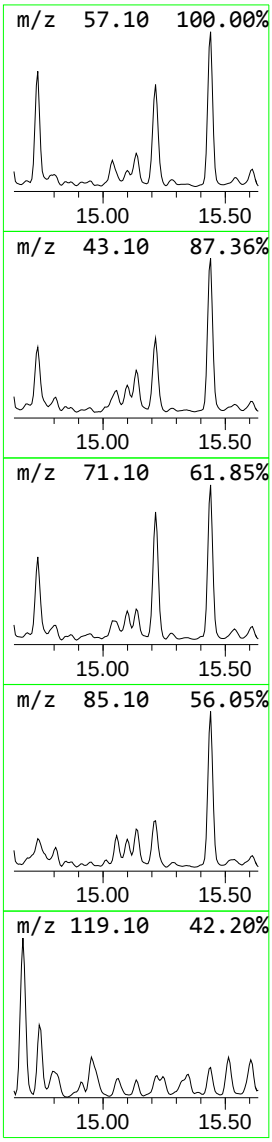
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Dodecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.135	104.89 ug/l	3042790	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	50
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	43
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	38
4	Heptadecane	240	C17H36	000629-78-7	35
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

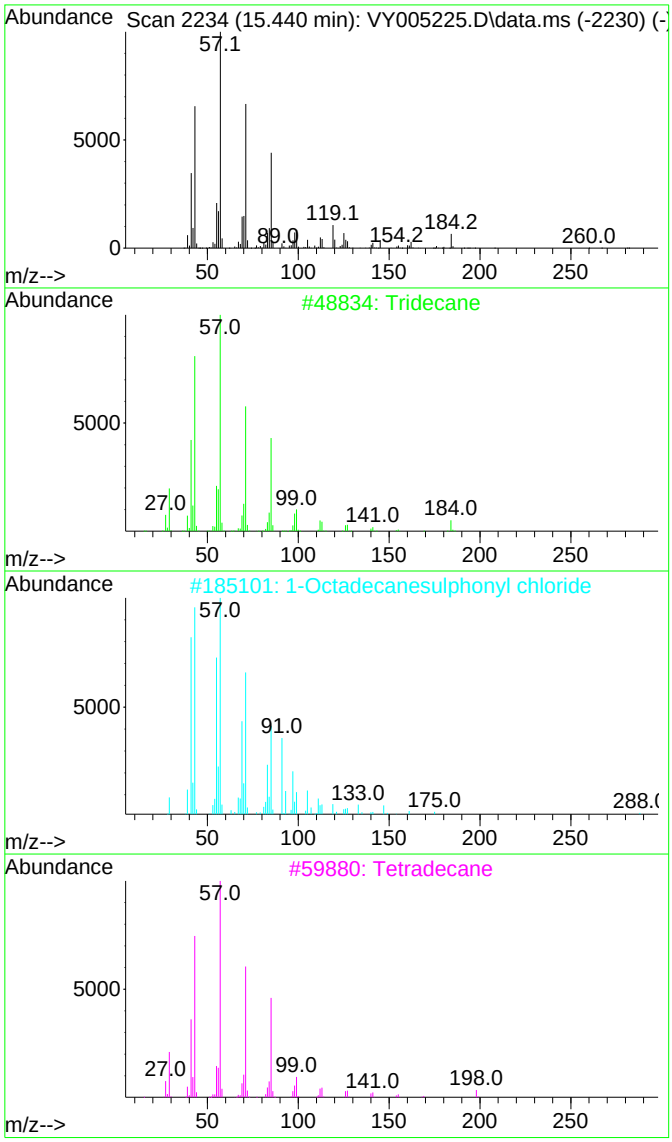
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

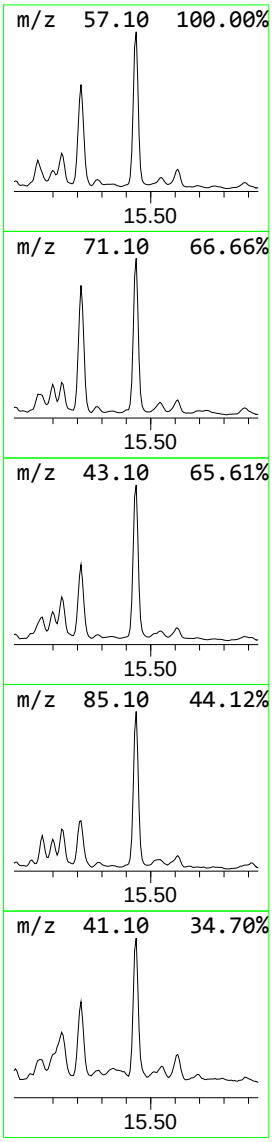
****

Peak Number 7 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.440	260.29 ug/l	7551000	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	98
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	72
3	Tetradecane	198	C14H30	000629-59-4	68
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PILE-1-062421

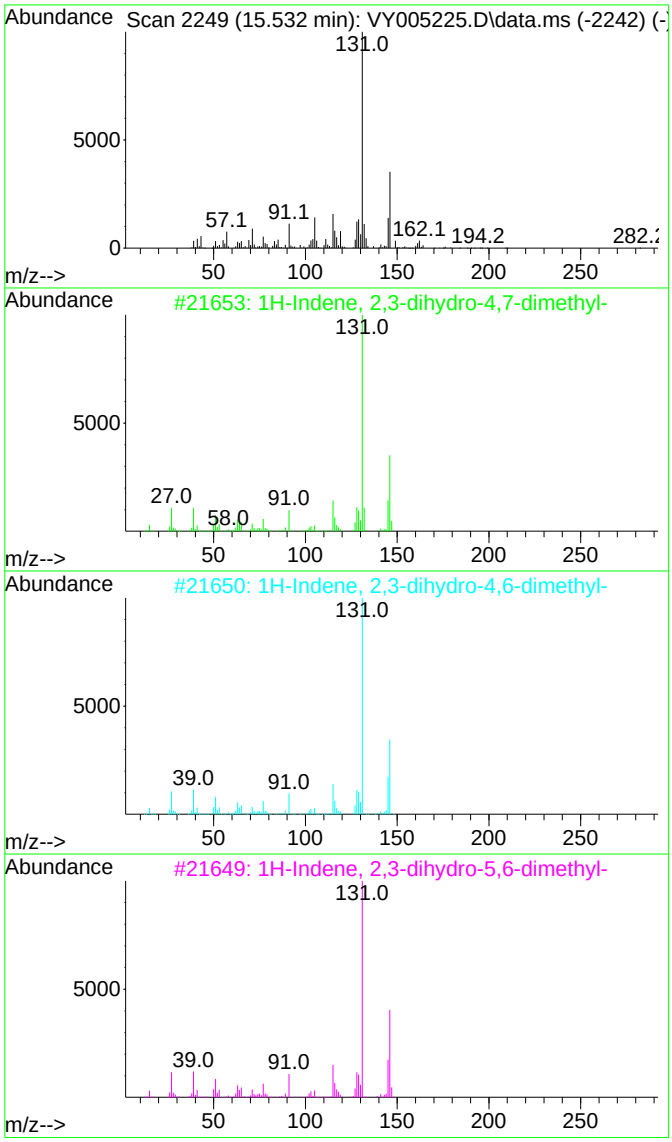
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

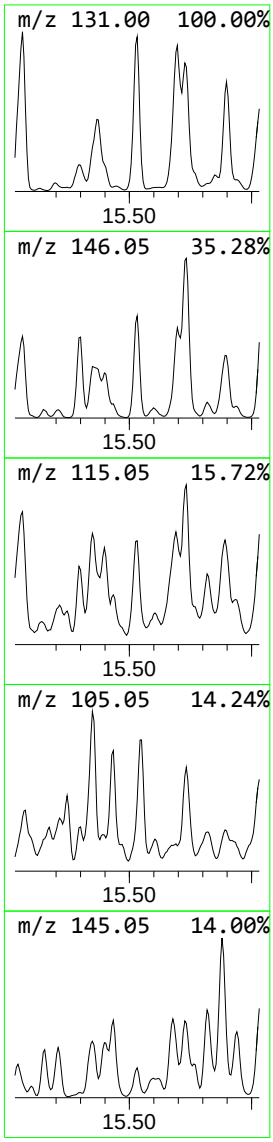
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.532	124.64 ug/l	3615710	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

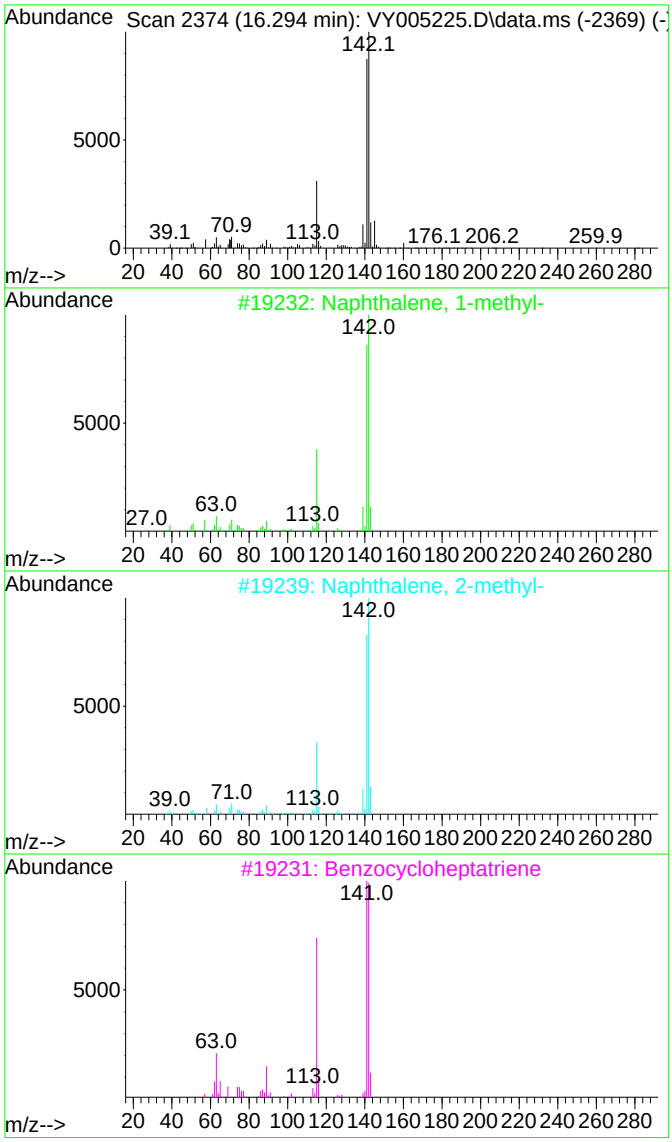
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

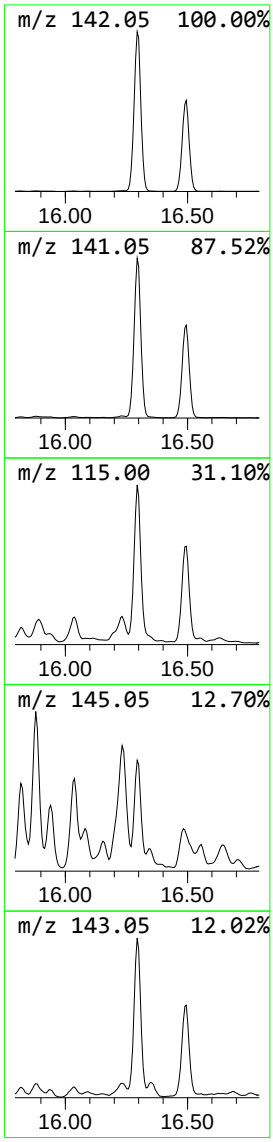
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.294	239.05 ug/l	6934800	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5	3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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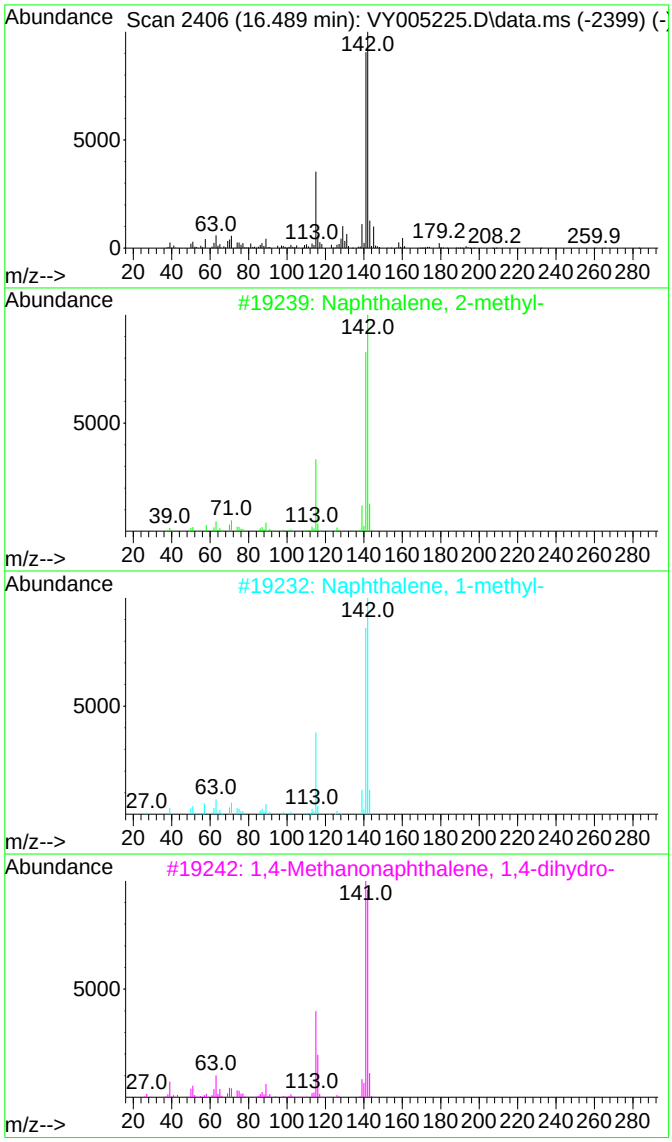
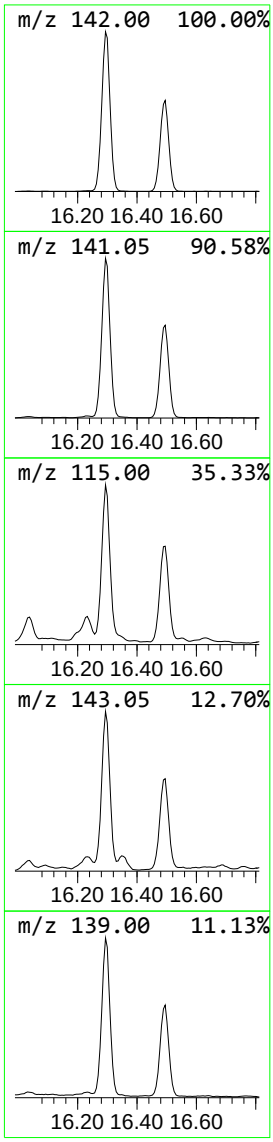
Peak Number 10 Naphthalene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.489	192.37 ug/l	5580780	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
4	Benzocycloheptatriene	142	C11H10	000264-09-5	87
5	Naphthalene, 1-(2-hydroxypropyl)	186	C13H14O	027653-13-0	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
Data File : VY005225.D
Acq On : 25 Jun 2021 14:07
Operator : SY/MD
Sample : M2859-01
Misc : 5.06G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : PILE-1-062421

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Undecane	13.758	161.2	ug/l	4676140	4	13.428	1450510	50.0
Dodecane	14.617	342.9	ug/l	9946960	4	13.428	1450510	50.0
o-Cymene	14.678	167.0	ug/l	4843430	4	13.428	1450510	50.0
Undecane, 2,6-d...	14.733	143.1	ug/l	4152040	4	13.428	1450510	50.0
2-Butene, 3-chl...	15.056	121.5	ug/l	3524130	4	13.428	1450510	50.0
Dodecane, 2-met...	15.135	104.9	ug/l	3042790	4	13.428	1450510	50.0
Tridecane	15.440	260.3	ug/l	7551000	4	13.428	1450510	50.0
1H-Indene, 2,3-...	15.532	124.6	ug/l	3615710	4	13.428	1450510	50.0
Naphthalene, 1-...	16.294	239.1	ug/l	6934800	4	13.428	1450510	50.0
Naphthalene, 2-...	16.489	192.4	ug/l	5580780	4	13.428	1450510	50.0