LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

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\82Y081922S.M
Title : SW846 8260

Signal : TIC: VY010124.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.710	461	474	491	rVB2	19633	62559	6.20%	0.656%
2	5.740	633	643	654	rBV2	5698	18365	1.82%	0.193%
3	6.972	832	845	859	rBV	84762	255022	25.28%	2.675%
4	7.710	956	966	972	rBV	125682	297163	29.46%	3.117%
5	7.783	972	978	990	rVB	207489	467811	46.38%	4.907%
6	8.136	1022	1036	1046	rBV2	131995	324096	32.13%	3.399%
7	8.685	1116	1126	1136	rBV	373613	714867	70.87%	7.498%
8	10.173	1363	1370	1383	rBV	510237	885194	87.76%	9.284%
9	10.575	1430	1436	1442	rBV2	14735	27056	2.68%	0.284%
10	10.941	1490	1496	1504	rBV	63263	111359	11.04%	1.168%
11	11.313	1553	1557	1562	rVB2	9903	16607	1.65%	0.174%
12	11.489	1579	1586	1598	rBV	577541	957226	94.90%	10.040%
13	12.477	1742	1748	1758	rBV	410386	659744	65.41%	6.920%
14	12.642	1772	1775	1780	rVB4	8277	11438	1.13%	0.120%
15	12.806	1796	1802	1815	rVB7	20226	55993	5.55%	0.587%
16	13.038	1836	1840	1844	rBV2	14965	23821	2.36%	0.250%
17	13.172	1858	1862	1866	rBV6	8545	19614	1.94%	0.206%
18	13.422	1896	1903	1911	rVB	650939	1008666	100.00%	10.579%
19	13.745	1950	1956	1961	rBV3	54425	106586	10.57%	1.118%
20	13.910	1981	1983	1988	rBV5	8065	12630	1.25%	0.132%
21	13.965	1989	1992	1996	rVB3	26886	36370	3.61%	0.381%
22	14.074	2005	2010	2014	rBV2	35361	60614	6.01%	0.636%
23	14.129	2015	2019	2026	rVV4	29977	70018	6.94%	0.734%
24	14.251	2035	2039	2044	rBV4	41899	77145	7.65%	0.809%
25	14.379	2055	2060	2063	rBV2	85931	124319	12.33%	1.304%
26	14.416	2063	2066	2070	rVB2	78013	110035	10.91%	1.154%
27	14.611	2094	2098	2102	rBV3	50957	75341	7.47%	0.790%
28	14.672	2103	2108	2113	rBV4	71115	156861	15.55%	1.645%
29	14.727	2113	2117	2123	rVV4	88469	161506	16.01%	1.694%
30	14.940	2148	2152	2156	rBV	125775	214544	21.27%	2.250%
31	15.050	2165	2170	2180	rVB4	98267	250569	24.84%	2.628%
32	15.135	2181	2184	2190	rVB5	42151	69067	6.85%	0.724%
33	15.208	2191	2196	2204	rBV3	154902	275235	27.29%	2.887%
34	15.288	2205	2209	2213	rBV2	62931	107770	10.68%	1.130%
35	15.434	2229	2233	2241	rVB8	47100	94011	9.32%	0.986%
36	15.507	2242	2245	2248	rBV3	24247	38733	3.84%	0.406%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

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\82Y081922S.M
Title : SW846 8260

37	15.873	2301	2305	2321	rVB7	75271	271860	26.95%	2.851%
38	16.025	2325	2330	2335	rBV2	91201	170639	16.92%	1.790%
39	16.153	2346	2351	2356	rBV	166496	271531	26.92%	2.848%
40	16.226	2358	2363	2369	rVV3	163108	332655	32.98%	3.489%
41	16.287	2370	2373	2378	rVB2	69091	106635	10.57%	1.118%
42	16.476	2399	2404	2411	rBV7	88313	285863	28.34%	2.998%
43	16.757	2445	2450	2455	rBV4	63013	137372	13.62%	1.441%

Sum of corrected areas: 9534510

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
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Operator : KP/MD
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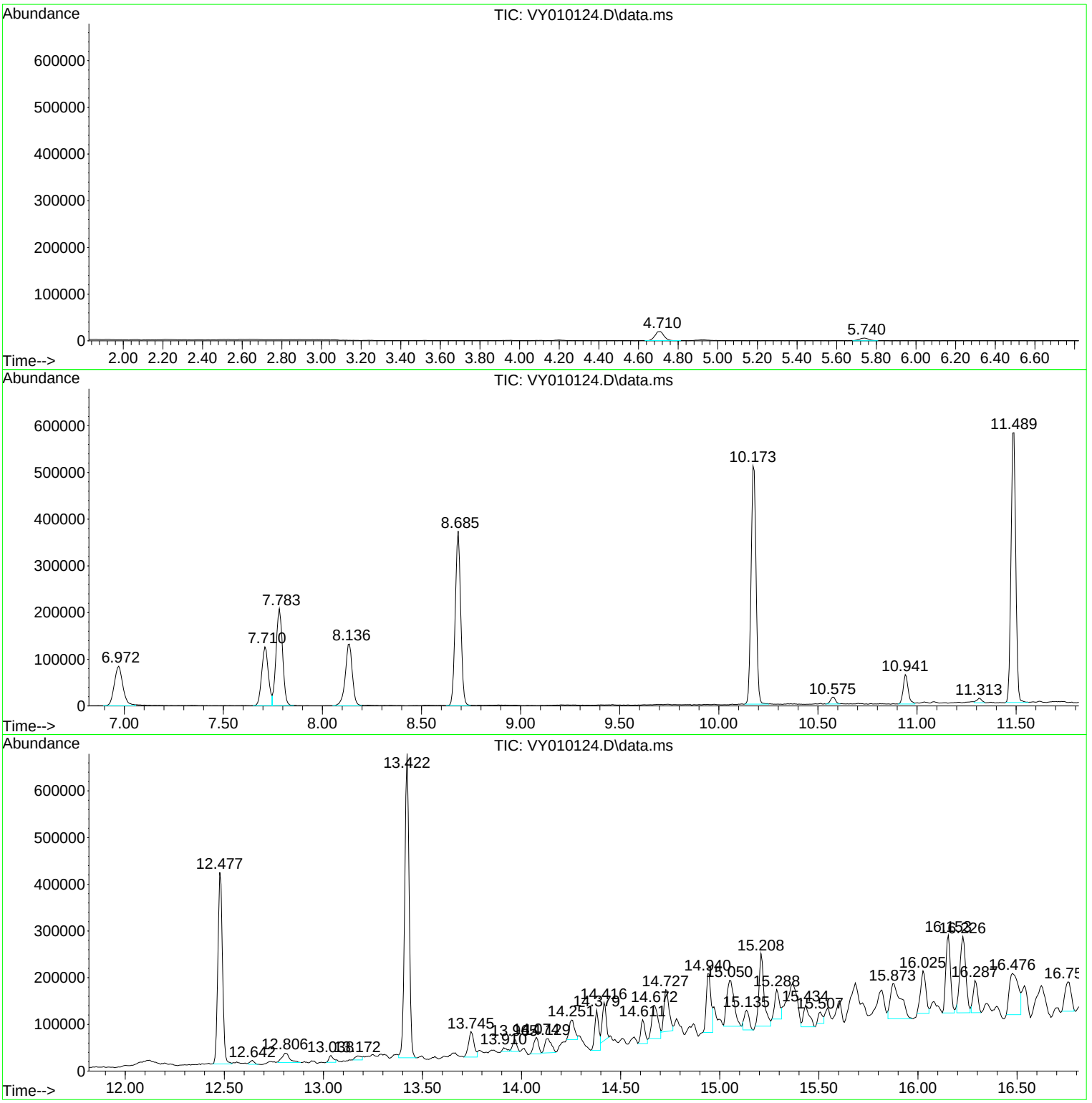
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

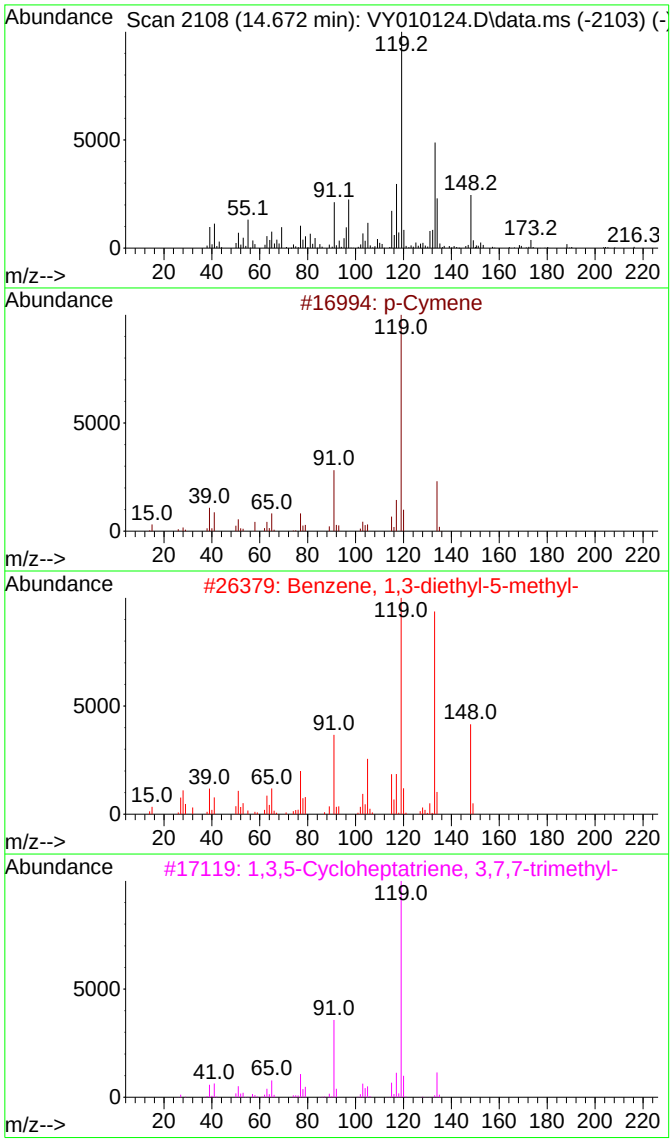
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

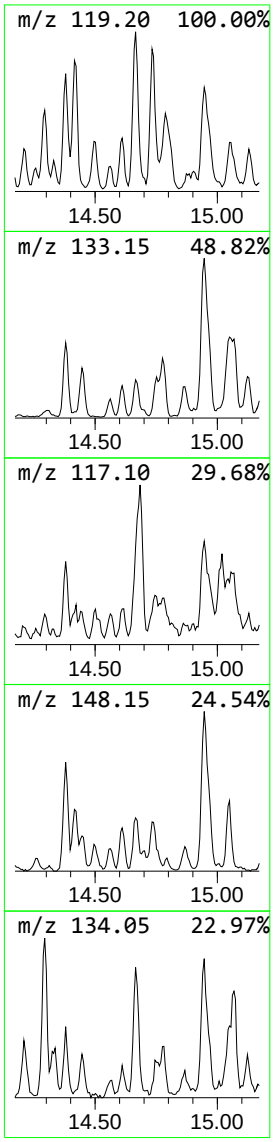
****

Peak Number 1 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	7.78 ug/l	156861	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	50
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
3	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	43
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

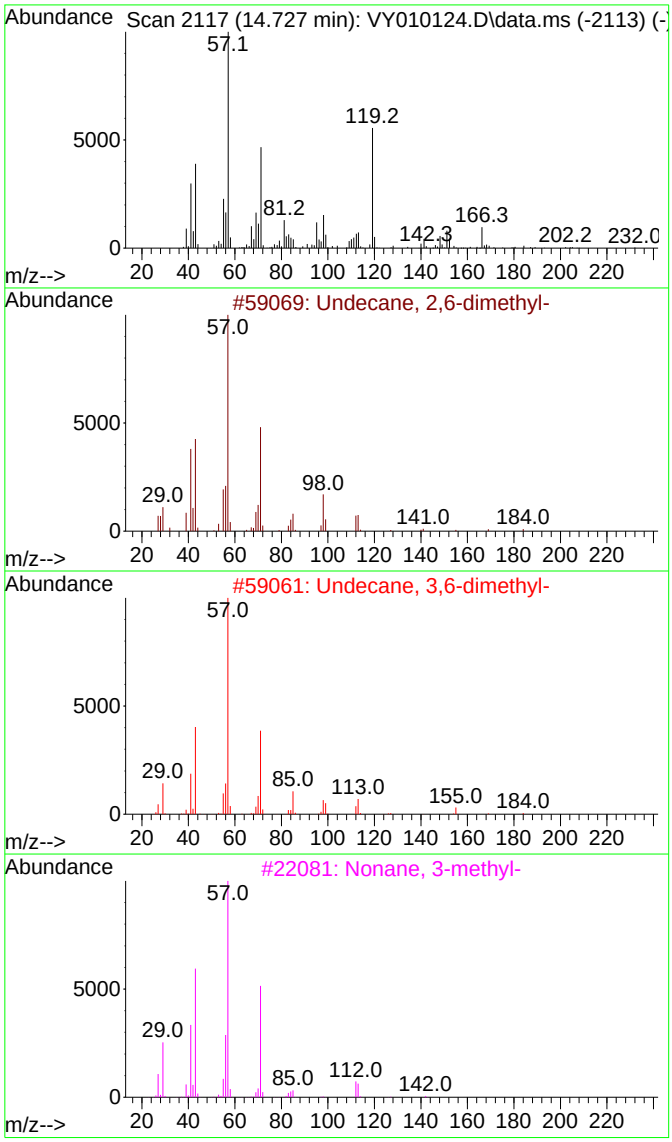
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

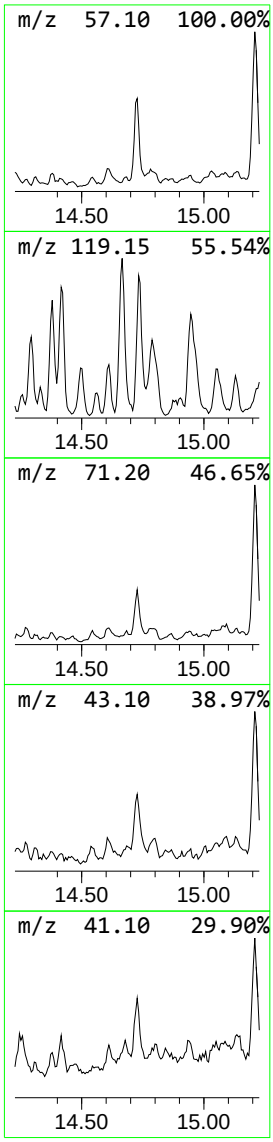
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.727	8.01 ug/l	161506	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	35
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	30
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	30
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

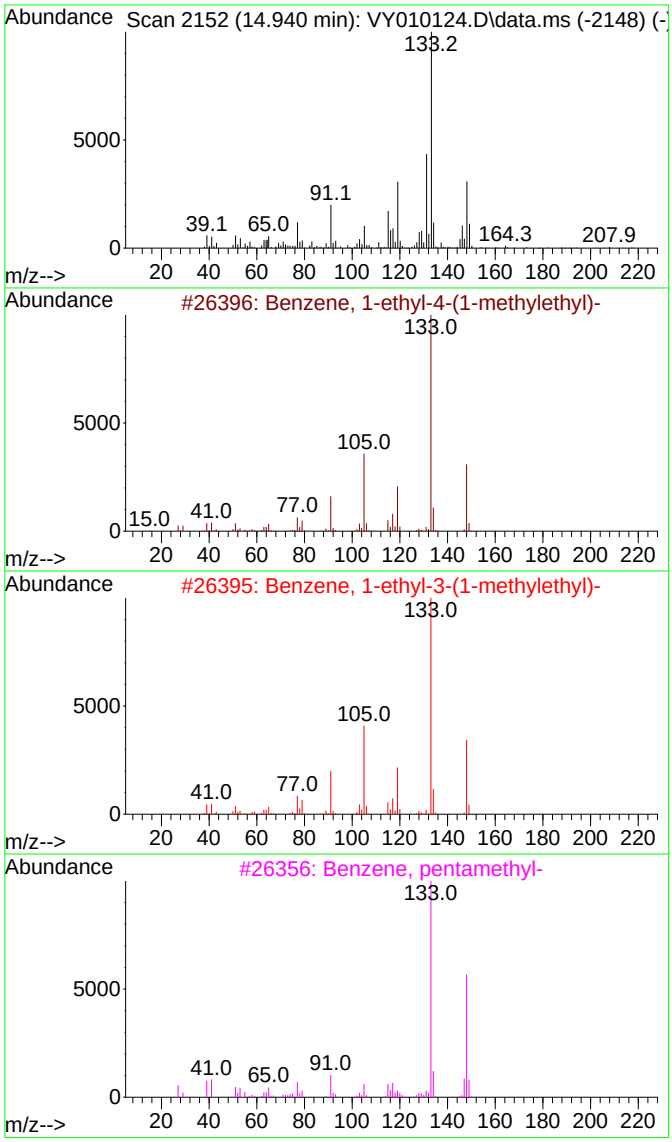
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

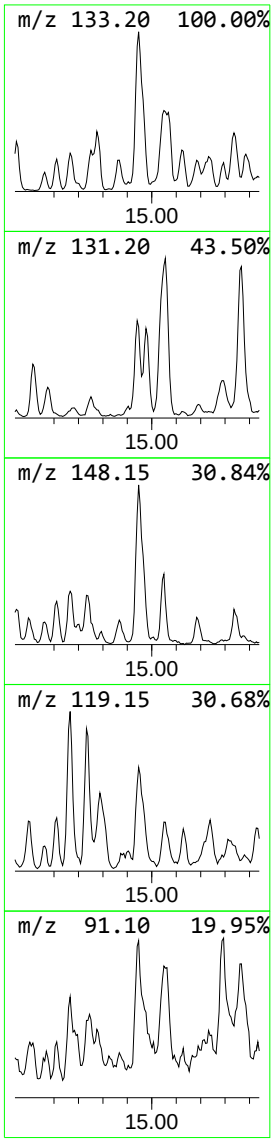
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.940	10.64 ug/l	214544	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	62
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	58
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	52
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

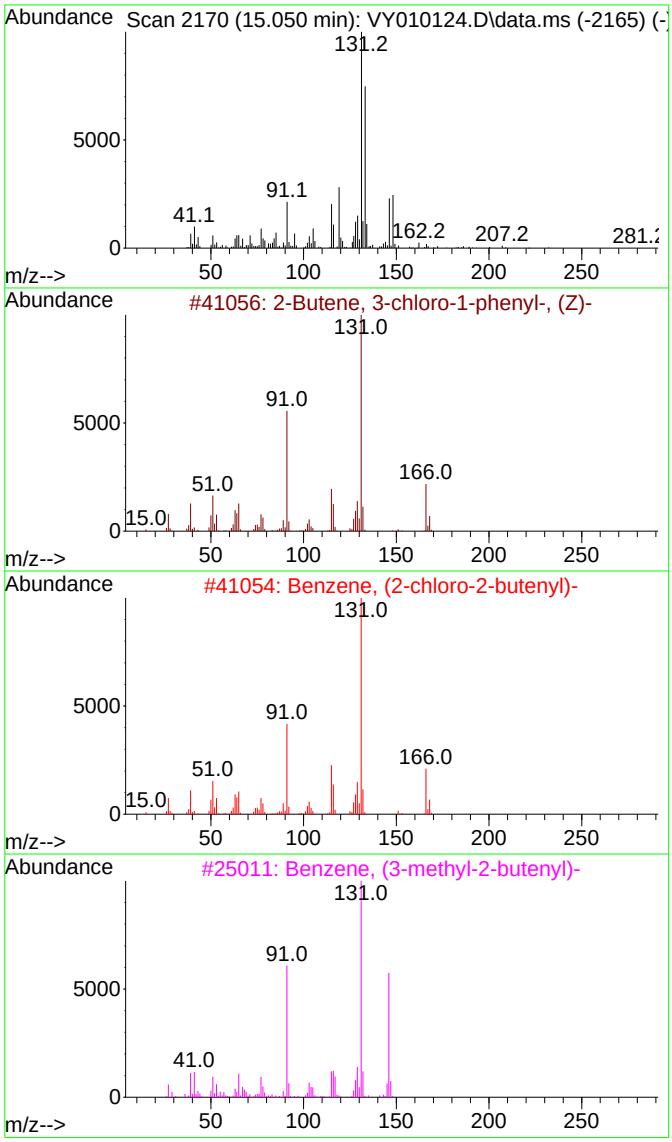
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

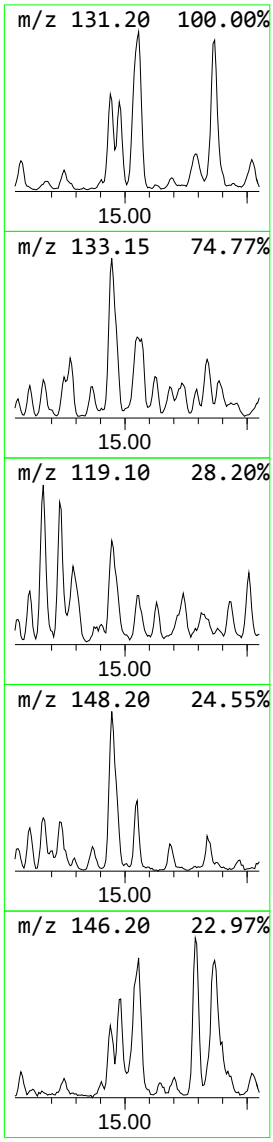
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Butene, 3-chloro-1-phenyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.050	12.42 ug/l	250569	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	60
2	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	52
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

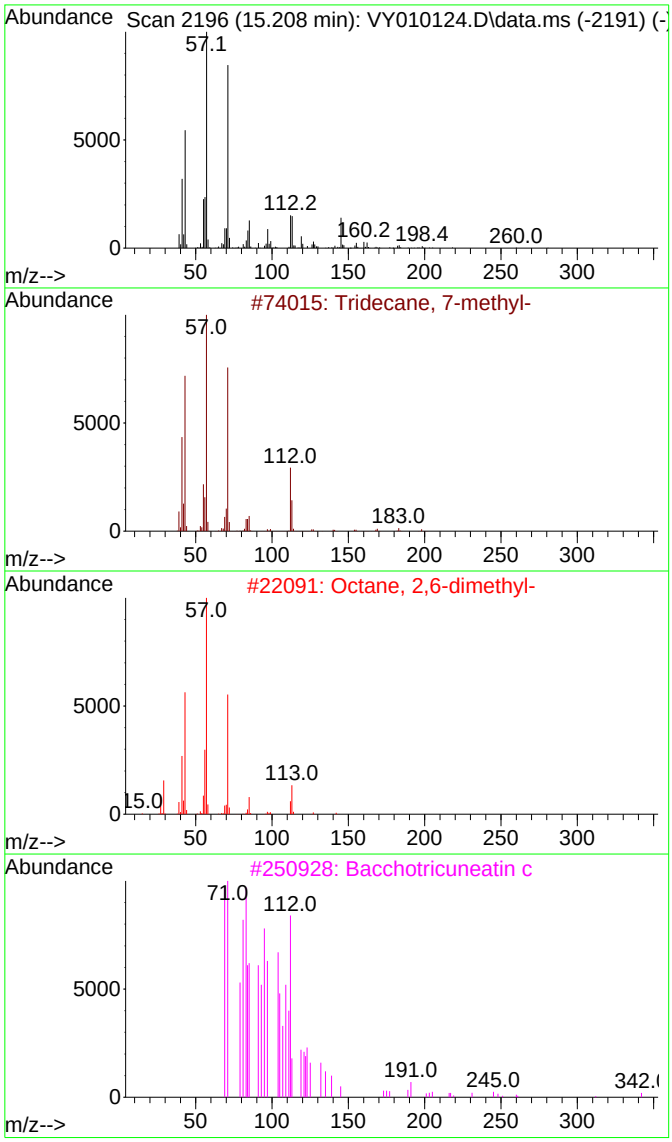
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

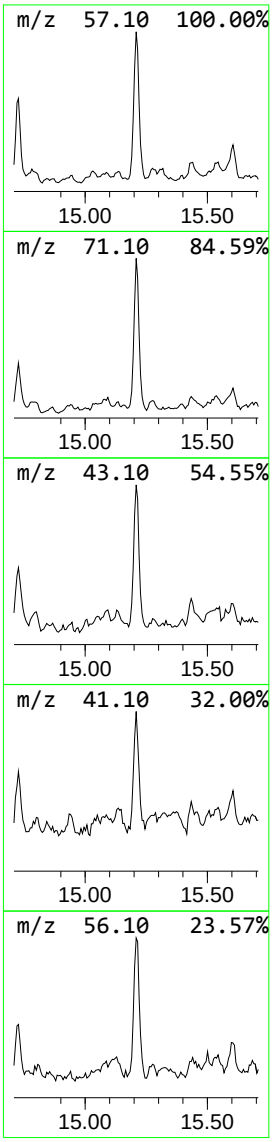
****

Peak Number 5 Tridecane, 7-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.208	13.64 ug/l	275235	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	89
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5	Decane, 5-propyl-	184	C13H28	017312-62-8	58





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Operator : KP/MD
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

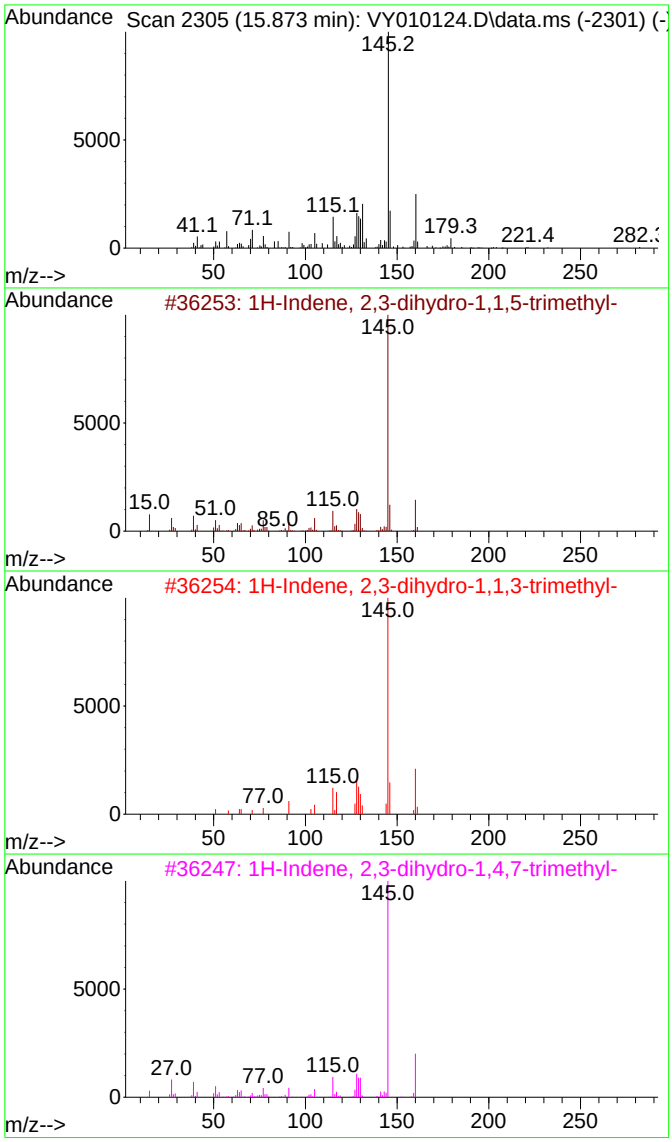
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

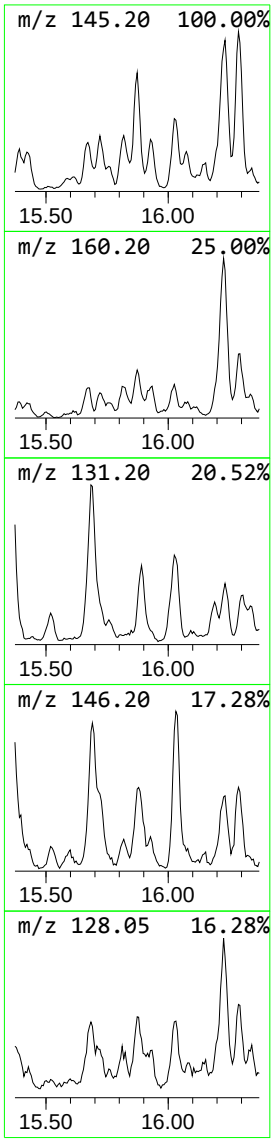
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.873	13.48 ug/l	271860	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	91
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	91
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	90
4	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	81





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Instrument :
MSVOA_Y
ClientSampleId :
PX-2

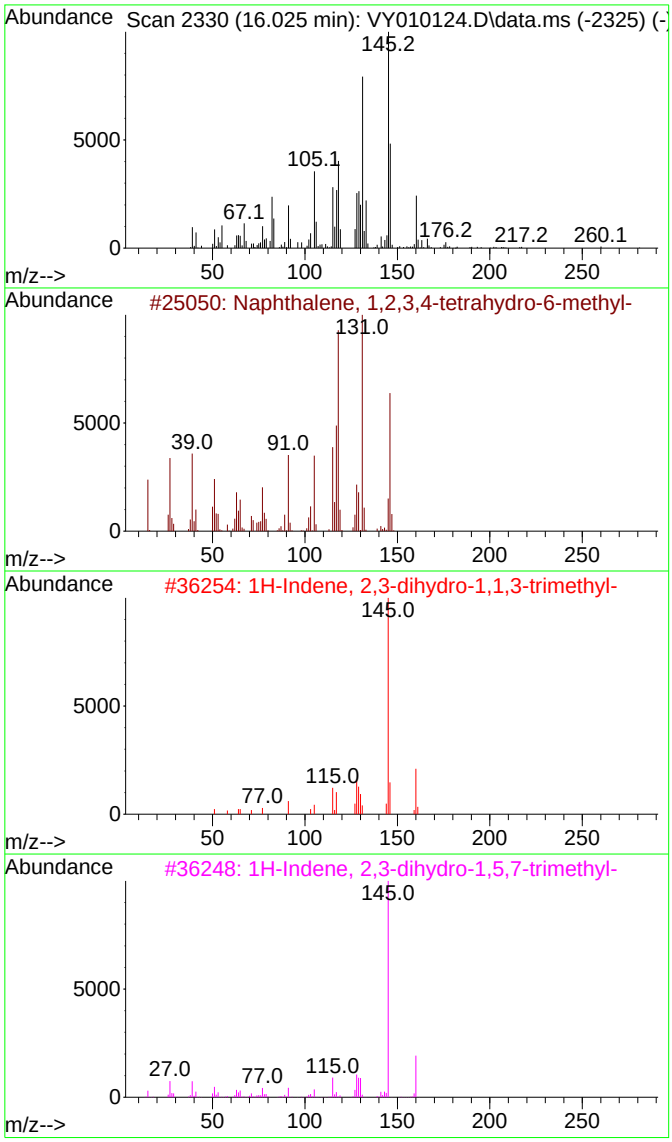
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

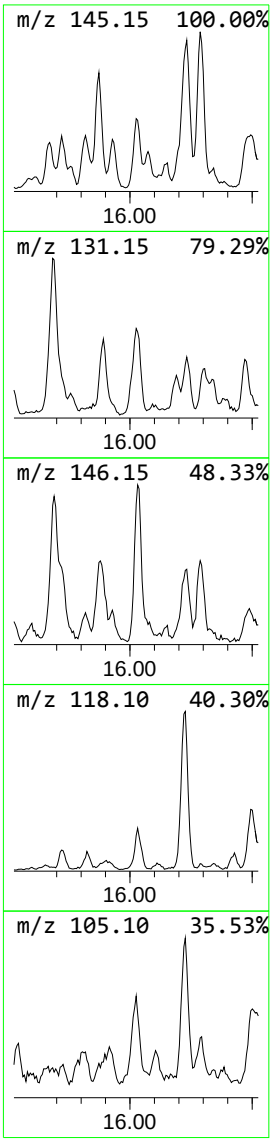
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.025	8.46 ug/l	170639	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	50
3	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

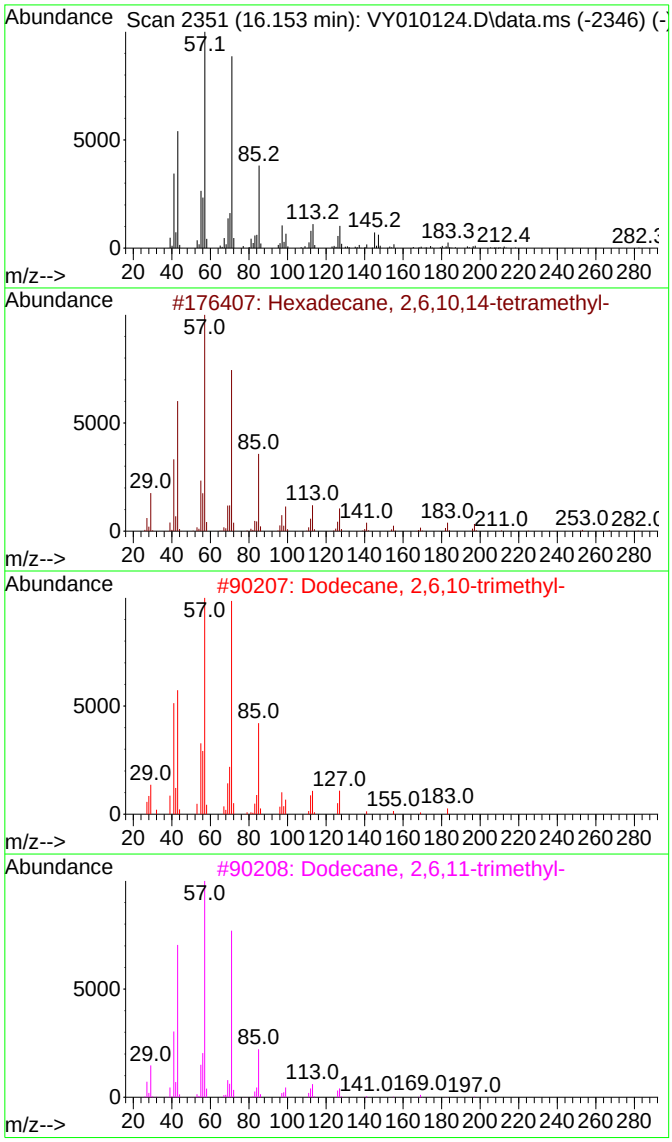
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

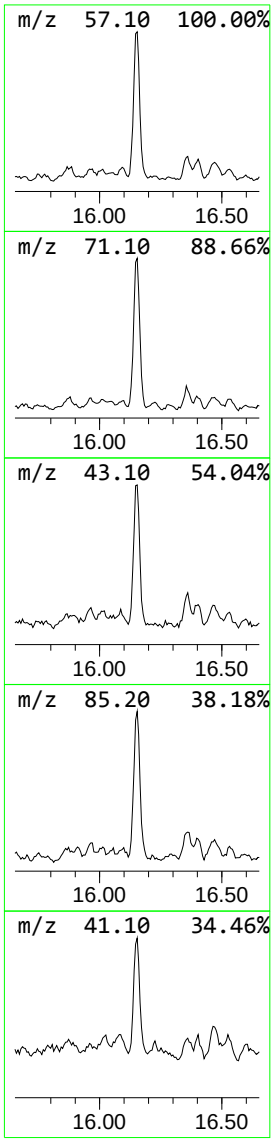
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexadecane, 2,6,10,14-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.153	13.46 ug/l	271531	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	94
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

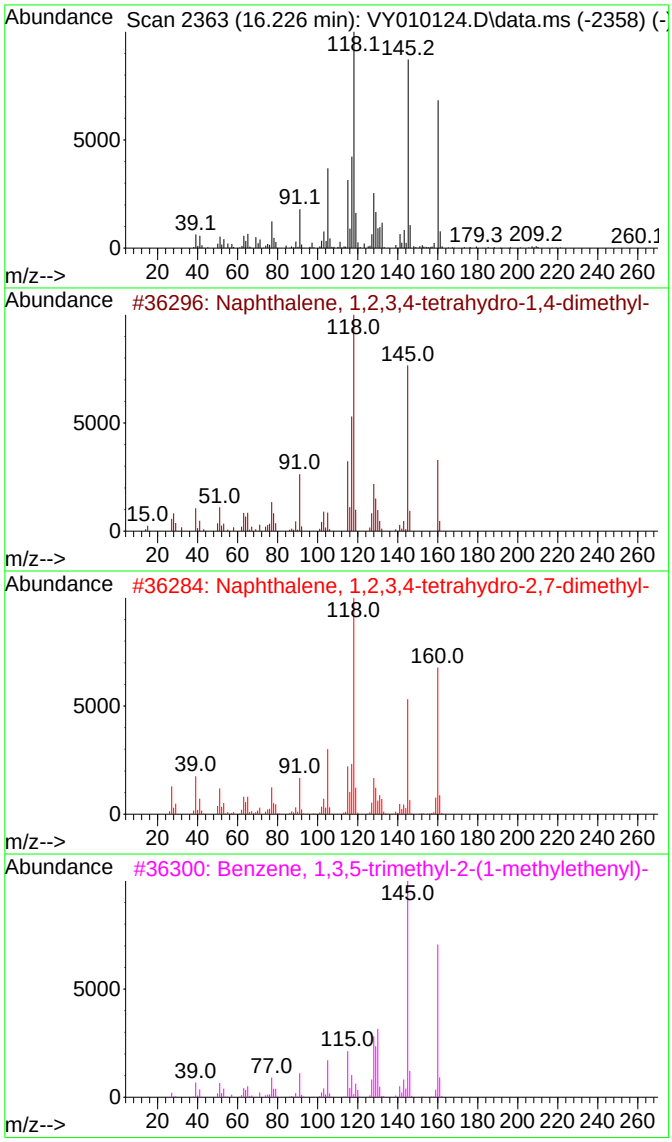
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

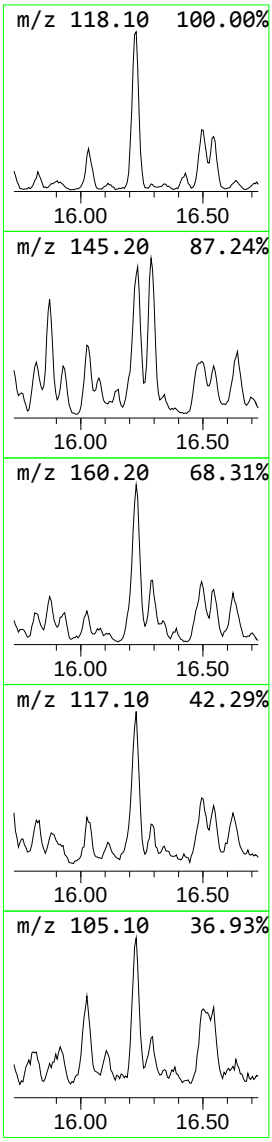
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.226	16.49 ug/l	332655	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	93
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	70
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

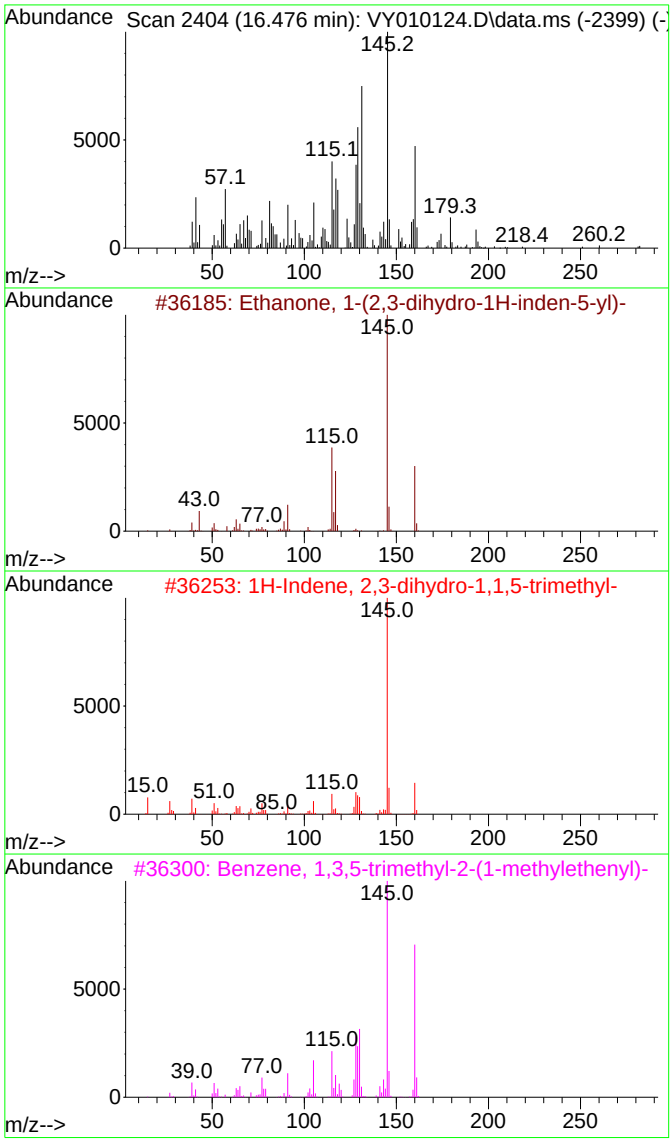
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
Quant Title : SW846 8260

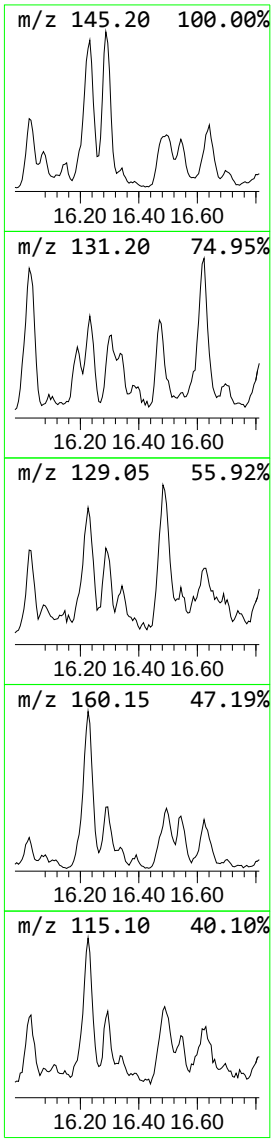
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Ethanone, 1-(2,3-dihydro-1H... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.476	14.17 ug/l	285863	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	60
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	55
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	53
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	53
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
Data File : VY010124.D
Acq On : 20 Aug 2022 00:28
Operator : KP/MD
Sample : N4219-02
Misc : 5.50g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PX-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.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
p-Cymene	14.672	7.8	ug/l	156861	4	13.422	1008670	50.0
Undecane, 2,6-d...	14.727	8.0	ug/l	161506	4	13.422	1008670	50.0
Benzene, 1-ethy...	14.940	10.6	ug/l	214544	4	13.422	1008670	50.0
2-Butene, 3-chl...	15.050	12.4	ug/l	250569	4	13.422	1008670	50.0
Tridecane, 7-me...	15.208	13.6	ug/l	275235	4	13.422	1008670	50.0
1H-Indene, 2,3-...	15.873	13.5	ug/l	271860	4	13.422	1008670	50.0
Naphthalene, 1,...	16.025	8.5	ug/l	170639	4	13.422	1008670	50.0
Hexadecane, 2,6...	16.153	13.5	ug/l	271531	4	13.422	1008670	50.0
Naphthalene, 1,...	16.226	16.5	ug/l	332655	4	13.422	1008670	50.0
Ethanone, 1-(2,...	16.476	14.2	ug/l	285863	4	13.422	1008670	50.0