LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

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\82Y102623S.M
Title : SW846 8260

Signal : TIC: VY016114.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.906	169	178	196	rBV	504598	1129316	1.81%	0.256%
2	3.253	227	235	252	rVB	392171	955915	1.54%	0.216%
3	4.771	462	484	509	rVB3	351677	1763576	2.83%	0.399%
4	5.241	545	561	580	rBV	216814	782703	1.26%	0.177%
5	5.753	631	645	663	rBV	606143	1903564	3.06%	0.431%
6	6.795	806	816	836	rVB	563424	1766875	2.84%	0.400%
7	7.783	959	978	987	rBV5	1472274	4608781	7.41%	1.044%
8	8.002	1002	1014	1021	rBV	589897	1430369	2.30%	0.324%
9	8.161	1030	1040	1052	rBV	23393523	58061865	93.30%	13.150%
10	8.417	1076	1082	1094	rVB2	372130	931910	1.50%	0.211%
11	8.551	1094	1104	1119	rBV	1531151	3035492	4.88%	0.687%
12	9.185	1193	1208	1215	rBV	3382589	7161575	11.51%	1.622%
13	9.825	1307	1313	1317	rBV	790564	1540021	2.47%	0.349%
14	9.959	1326	1335	1347	rBV	712972	1648611	2.65%	0.373%
15	10.179	1364	1371	1375	rBV	1218377	2271853	3.65%	0.515%
16	10.246	1375	1382	1390	rVV2	28172490	62228128	100.00%	14.094%
17	10.374	1394	1403	1410	rVB2	1938790	3723882	5.98%	0.843%
18	10.520	1419	1427	1433	rVB2	480857	1079428	1.73%	0.244%
19	11.038	1504	1512	1516	rVV	613536	995295	1.60%	0.225%
20	11.093	1516	1521	1526	rVB	397052	643625	1.03%	0.146%
21	11.282	1544	1552	1563	rVV4	693059	1592453	2.56%	0.361%
22	11.386	1563	1569	1578	rVB	474253	862578	1.39%	0.195%
23	11.593	1596	1603	1611	rBV	6116552	9811656	15.77%	2.222%
24	11.703	1611	1621	1631	rBV	24013706	46306530	74.41%	10.488%
25	12.032	1664	1675	1683	rBV	15010145	25682307	41.27%	5.817%
26	12.331	1719	1724	1728	rBV	581991	1078507	1.73%	0.244%
27	12.672	1772	1780	1785	rVB	961441	1768583	2.84%	0.401%
28	12.733	1785	1790	1794	rBV	3859412	6364157	10.23%	1.441%
29	12.770	1794	1796	1799	rVV	1515865	1971206	3.17%	0.446%
30	12.812	1799	1803	1809	rVB2	5876760	8871115	14.26%	2.009%
31	12.971	1815	1829	1837	rBV2	2676092	7128343	11.46%	1.614%
32	13.123	1848	1854	1859	rVV	10298180	16173717	25.99%	3.663%
33	13.172	1859	1862	1866	rVB	1188742	1560095	2.51%	0.353%
34	13.227	1866	1871	1879	rVB4	411715	950085	1.53%	0.215%
35	13.318	1880	1886	1890	rBV2	657448	1282339	2.06%	0.290%
36	13.459	1901	1909	1913	rBV	4572372	6917231	11.12%	1.567%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

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\82Y102623S.M
Title : SW846 8260

37	13.501	1913	1916	1923	rVB4	477141	698946	1.12%	0.158%
38	13.629	1932	1937	1940	rVV2	1594318	2700378	4.34%	0.612%
39	13.666	1940	1943	1952	rVB2	1840934	3012350	4.84%	0.682%
40	13.751	1952	1957	1961	rBV2	1777827	2468480	3.97%	0.559%
41	13.806	1961	1966	1973	rVB	6160005	9801372	15.75%	2.220%
42	13.885	1974	1979	1981	rBV	842959	1253870	2.01%	0.284%
43	13.916	1981	1984	1989	rVB	997804	1449198	2.33%	0.328%
44	13.971	1989	1993	1998	rVB	1074623	1448909	2.33%	0.328%
45	14.080	2006	2011	2015	rBV	1077591	1613912	2.59%	0.366%
46	14.294	2037	2046	2049	rVV3	1050143	2523795	4.06%	0.572%
47	14.336	2049	2053	2057	rVB	1636568	2316876	3.72%	0.525%
48	14.385	2057	2061	2064	rBV2	660814	870362	1.40%	0.197%
49	14.422	2064	2067	2079	rVB4	628927	1225545	1.97%	0.278%
50	14.568	2087	2091	2094	rBV2	427272	731153	1.17%	0.166%
51	14.611	2094	2098	2103	rVB	2021105	2726045	4.38%	0.617%
52	14.672	2103	2108	2115	rBV2	2177629	4687153	7.53%	1.062%
53	14.745	2115	2120	2125	rVB4	1017855	2063348	3.32%	0.467%
54	14.830	2130	2134	2139	rBV	1136985	1652127	2.65%	0.374%
55	14.946	2149	2153	2156	rBV5	619461	893744	1.44%	0.202%
56	15.056	2165	2171	2176	rVB3	607497	1219242	1.96%	0.276%
57	15.141	2181	2185	2190	rVB4	509007	929225	1.49%	0.210%
58	15.239	2190	2201	2212	rBV	24566555	46765191	75.15%	10.592%
59	15.336	2212	2217	2223	rBV2	893845	1648898	2.65%	0.373%
60	15.434	2229	2233	2241	rVB	1582441	2473400	3.97%	0.560%
61	15.525	2242	2248	2255	rBV4	413892	1080871	1.74%	0.245%
62	15.696	2267	2276	2285	rBV6	353220	1315270	2.11%	0.298%
63	15.885	2302	2307	2323	rVB7	363326	1306113	2.10%	0.296%
64	16.025	2324	2330	2336	rBV4	321767	784863	1.26%	0.178%
65	16.232	2358	2364	2367	rBV	333930	656025	1.05%	0.149%
66	16.293	2367	2374	2381	rVV	11888736	23610553	37.94%	5.347%
67	16.360	2381	2385	2390	rVB2	775439	1294113	2.08%	0.293%
68	16.489	2398	2406	2418	rVB	8588610	18329722	29.46%	4.151%

Sum of corrected areas: 441534735

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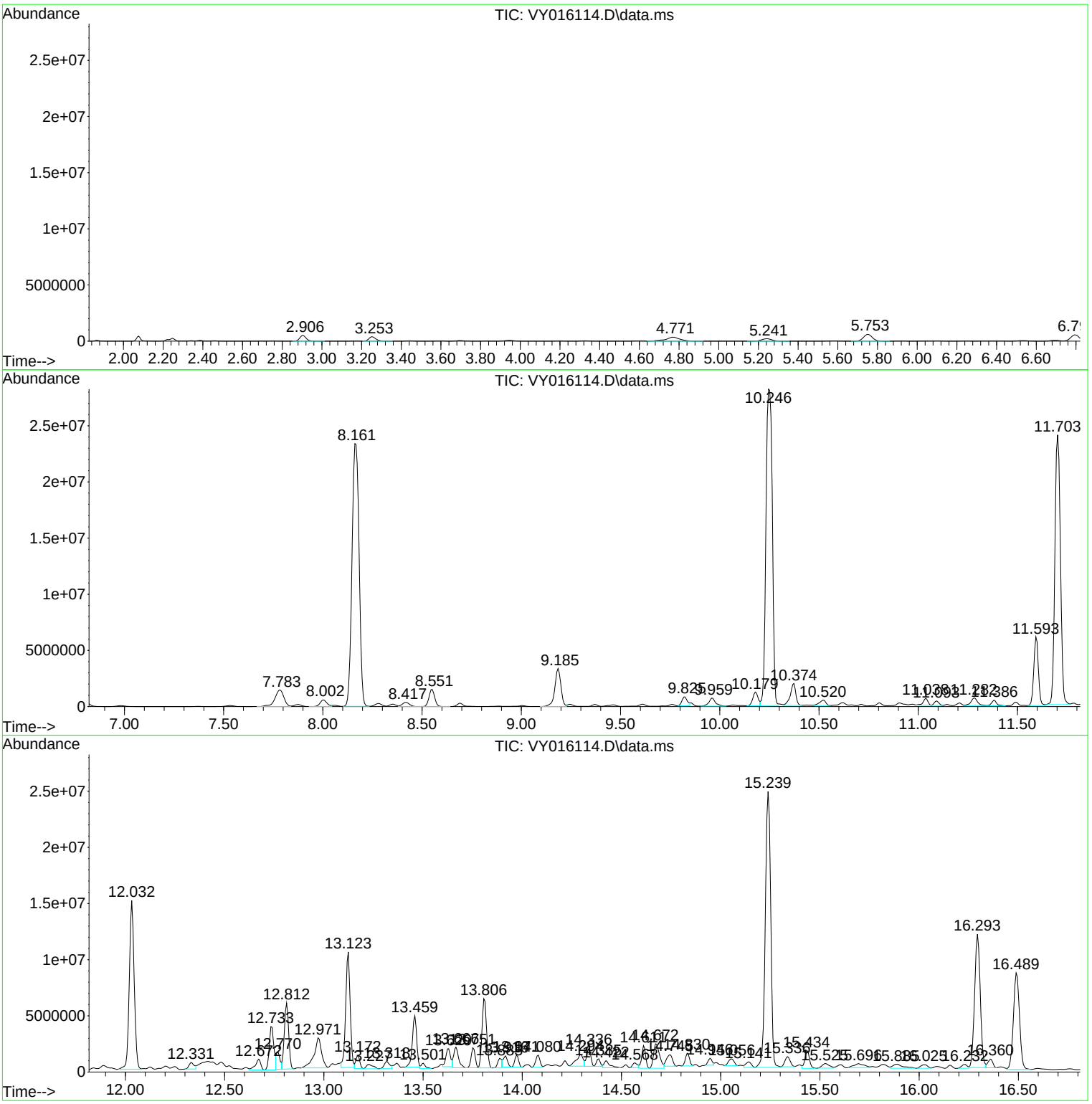
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
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ClientSampleId :
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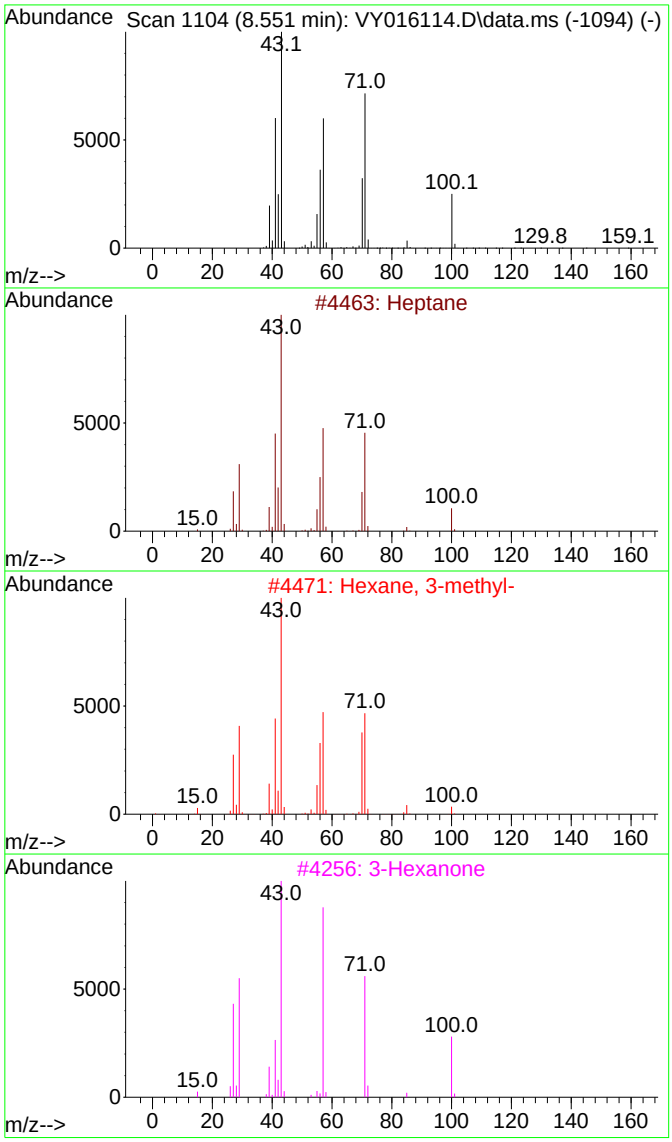
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

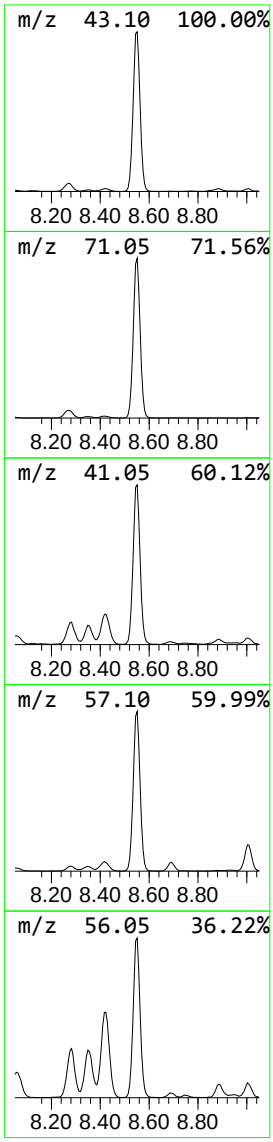
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.551	50.00 ug/l	3035490	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
3	3-Hexanone	100	C6H12O	000589-38-8	50
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	47
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

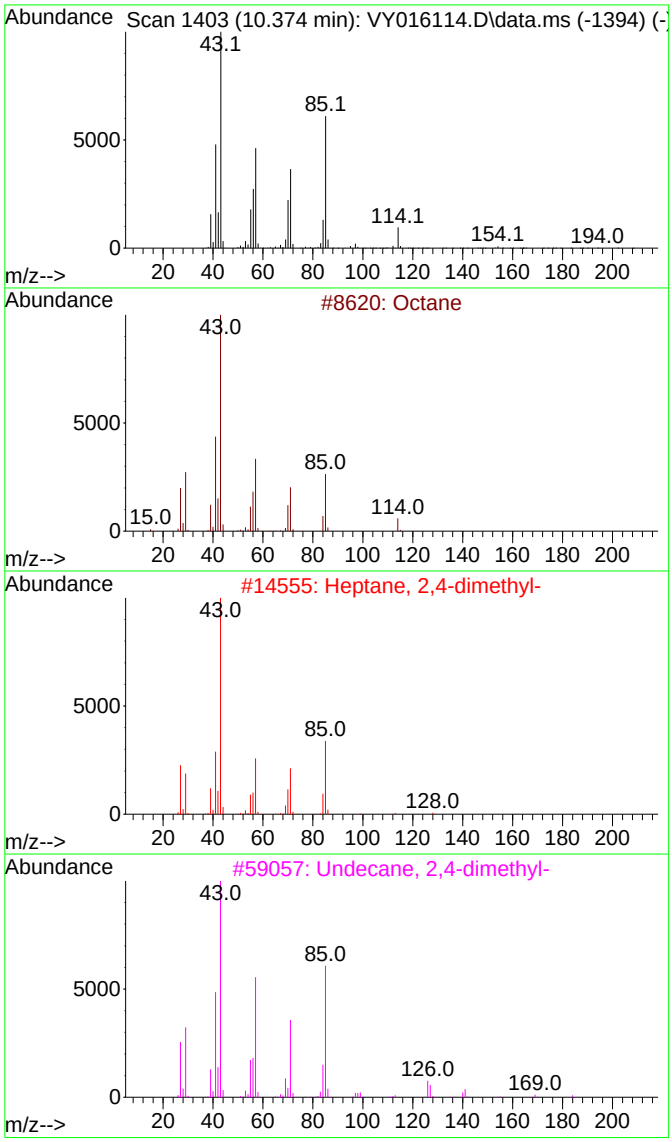
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

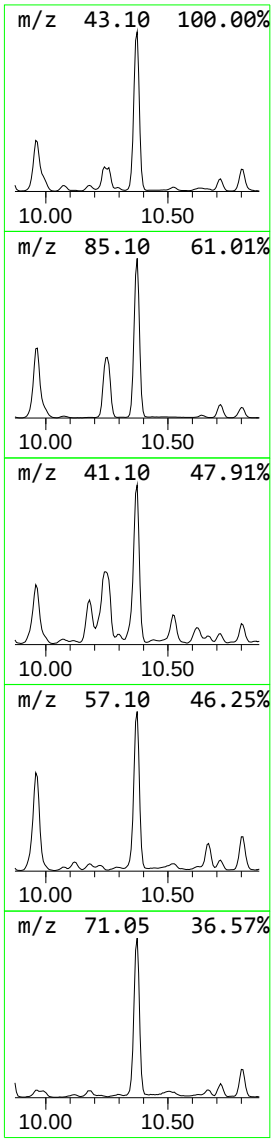
****

Peak Number 2 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.374	215.86 ug/l	3723880	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

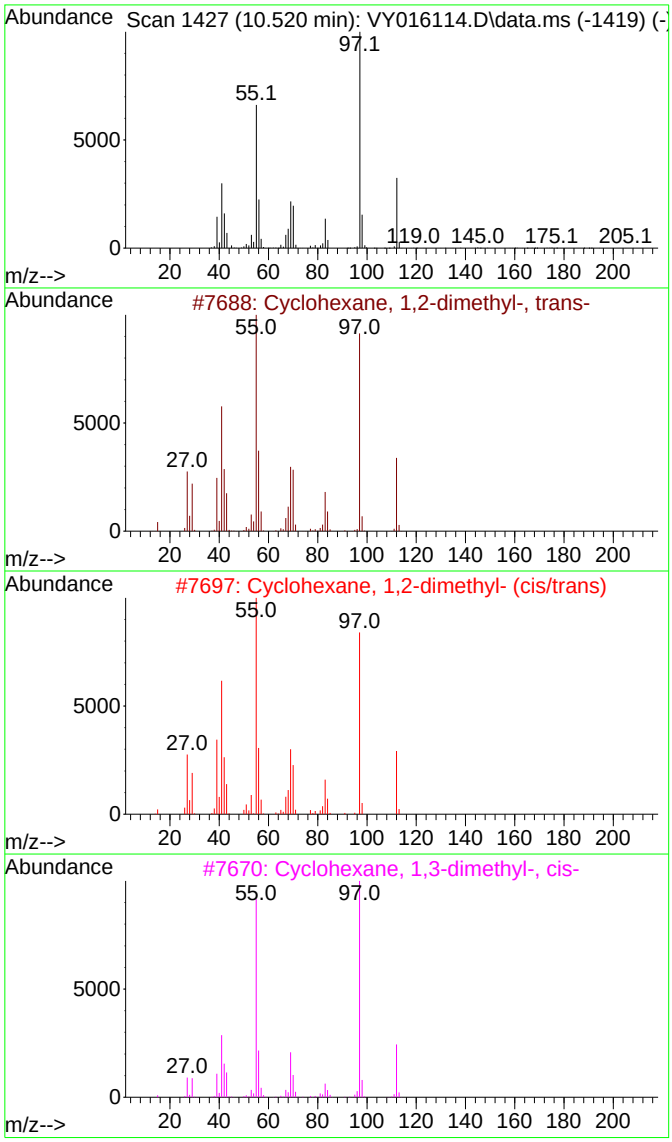
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

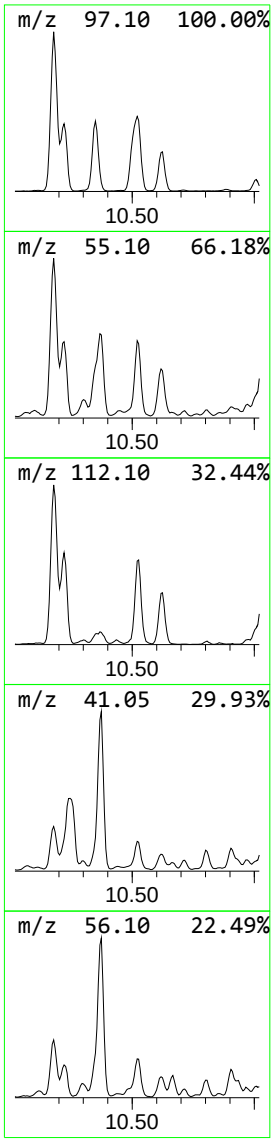
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.520	62.57 ug/l	1079430	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	86
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	86
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
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Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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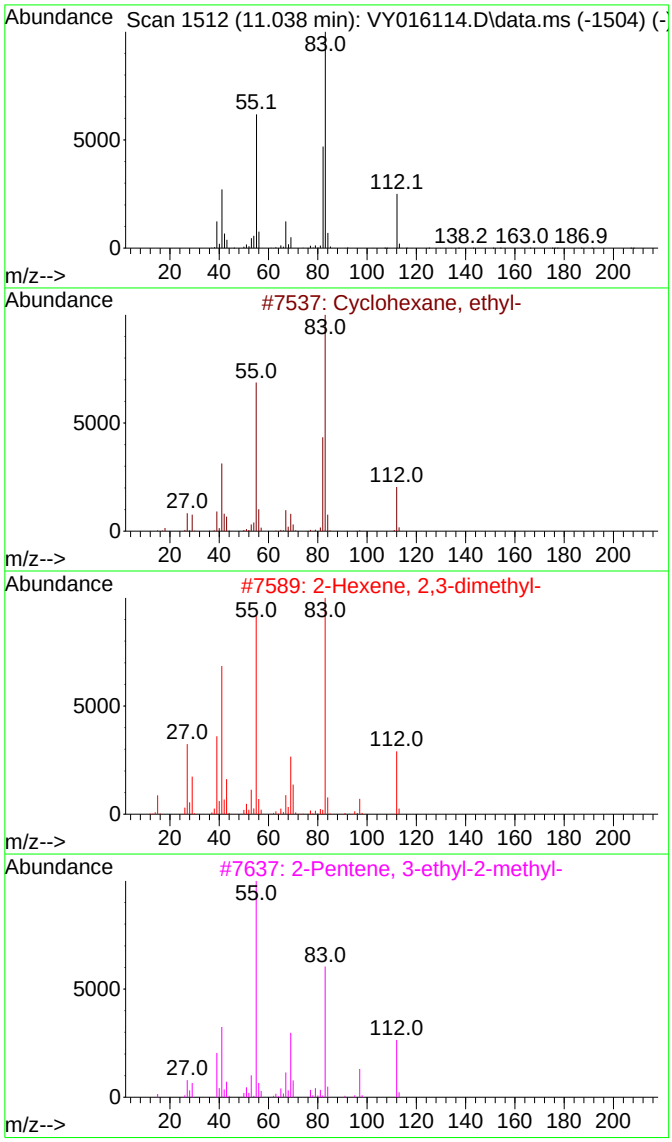
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

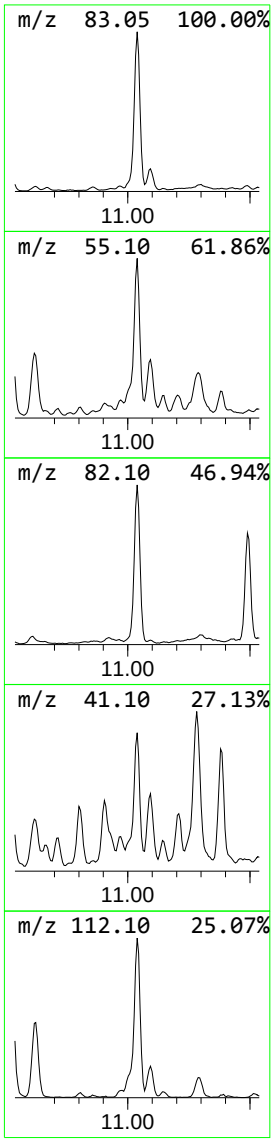
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	57.69 ug/l	995295	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
3	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	58
4	3-Ethyl-3-hexene	112	C8H16	016789-51-8	53
5	Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	50





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Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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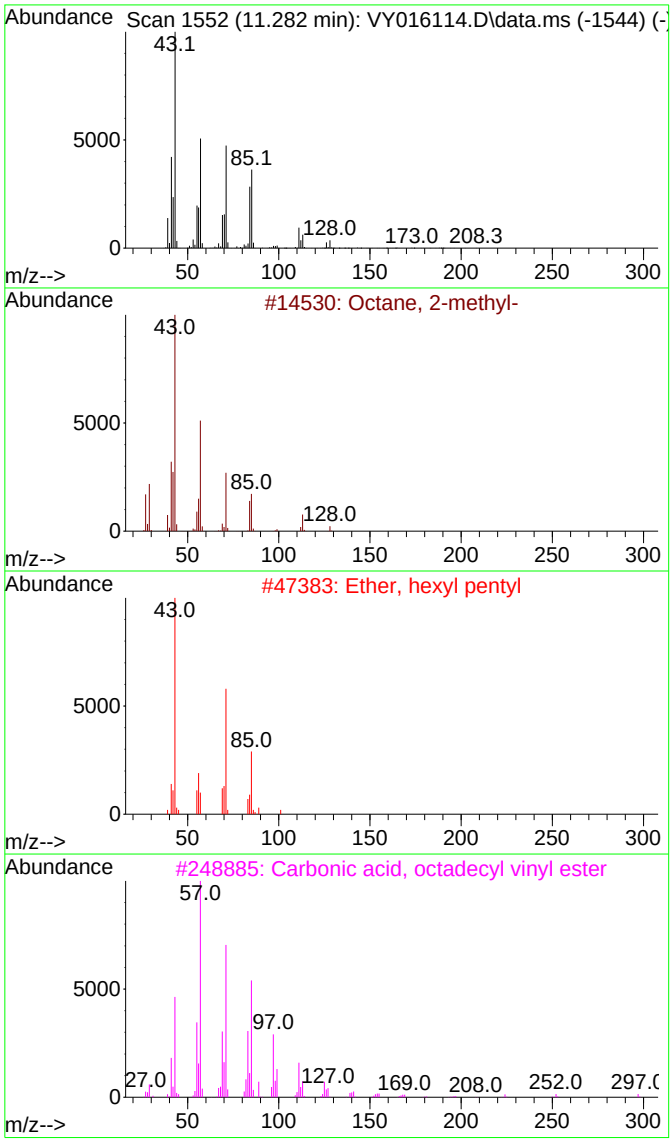
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

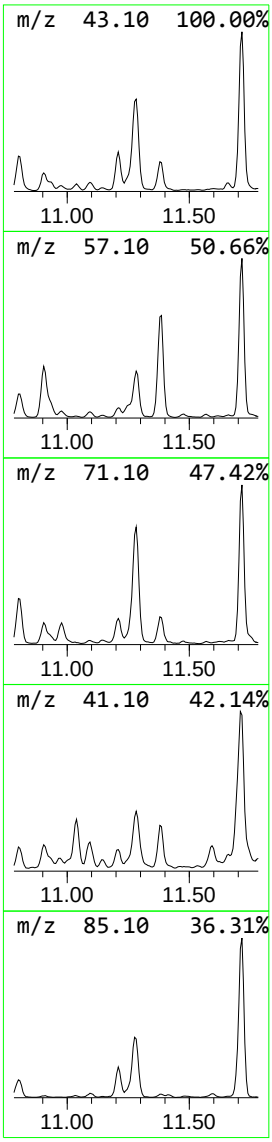
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Octane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	92.31 ug/l	1592450	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	50
3	Carbonic acid, octadecyl vinyl e...	340	C21H40O3	1000382-54-4	50
4	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	47
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	46





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Data File : VY016114.D
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Sample : 05107-06
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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

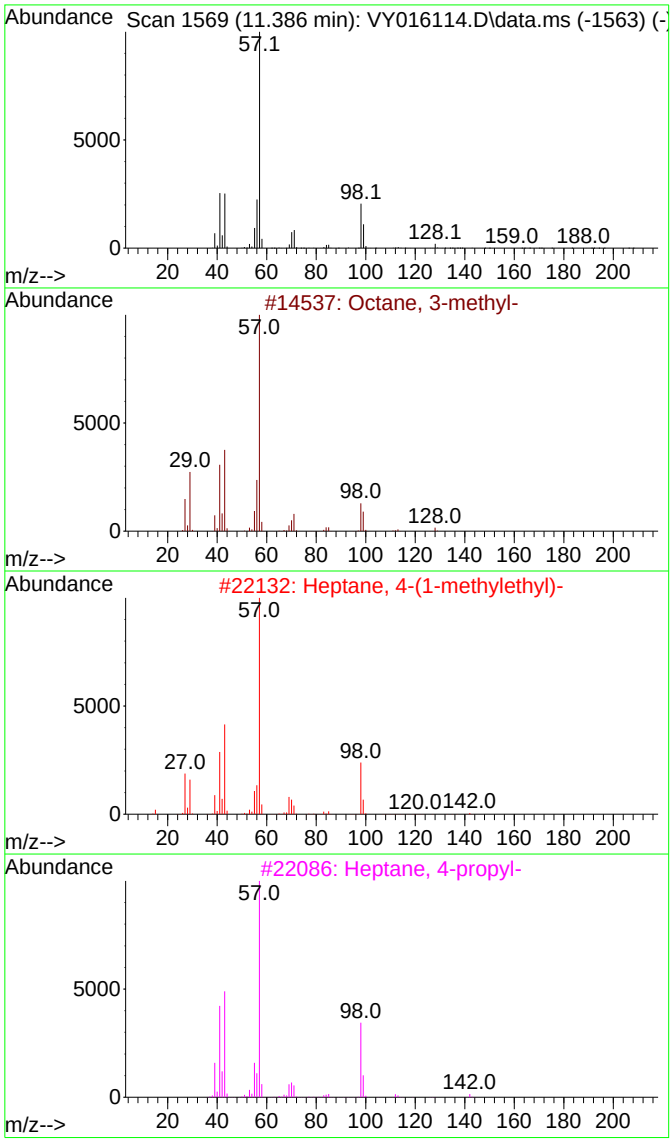
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

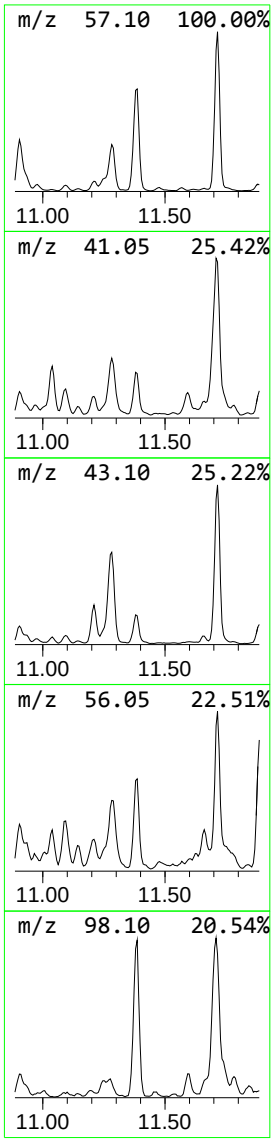
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.386	50.00 ug/l	862578	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

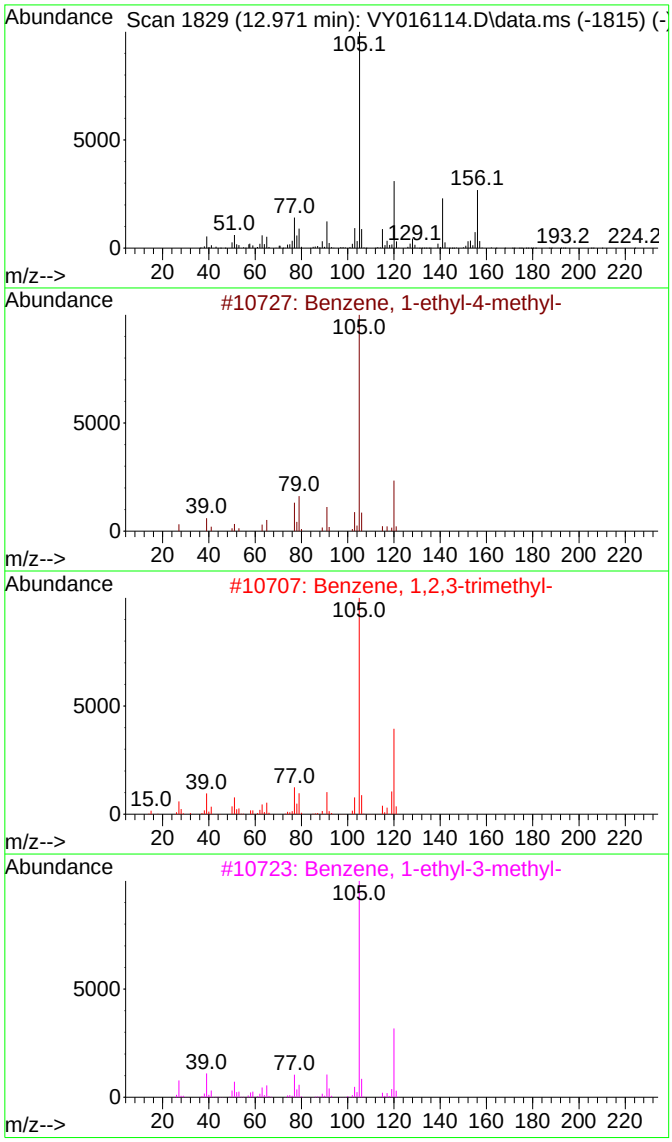
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

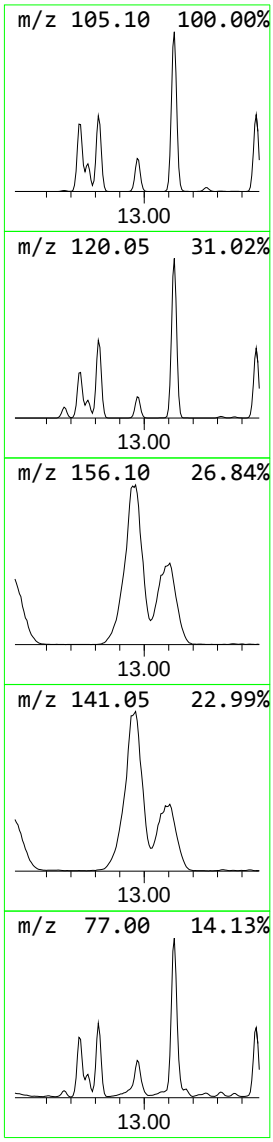
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	51.53 ug/l	7128340	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	50
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	50
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

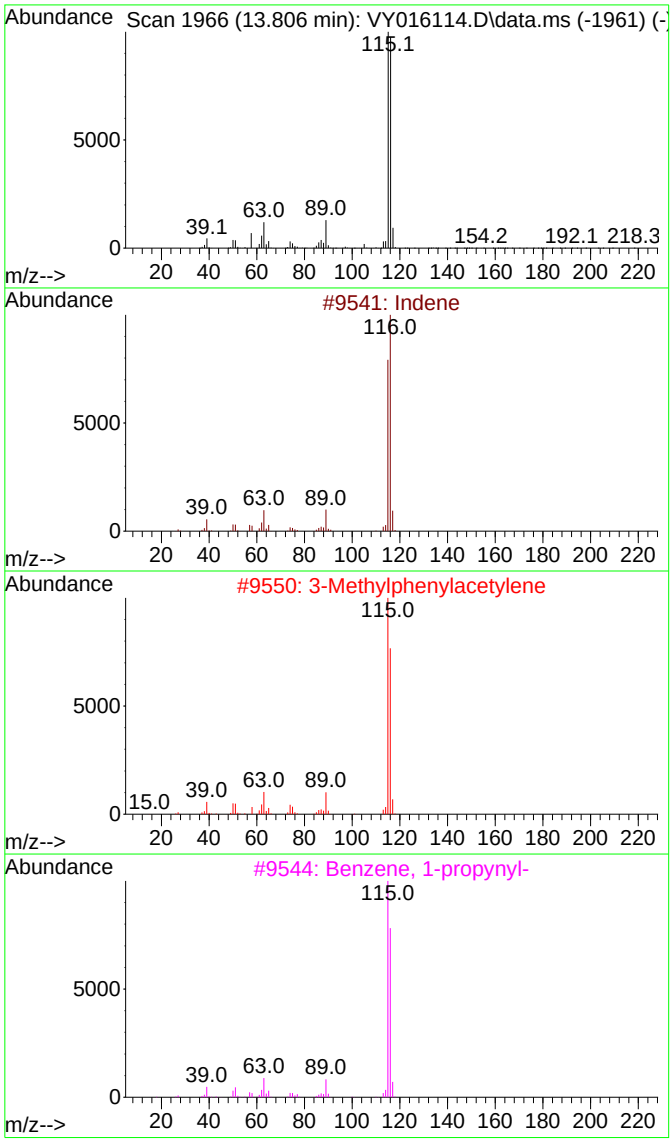
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

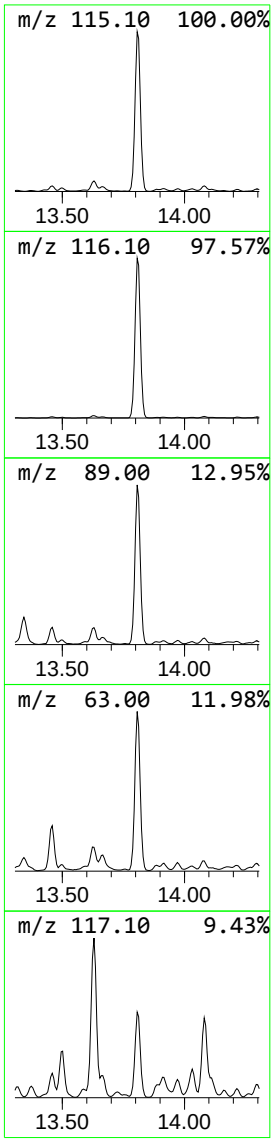
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.806	70.85 ug/l	9801370	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

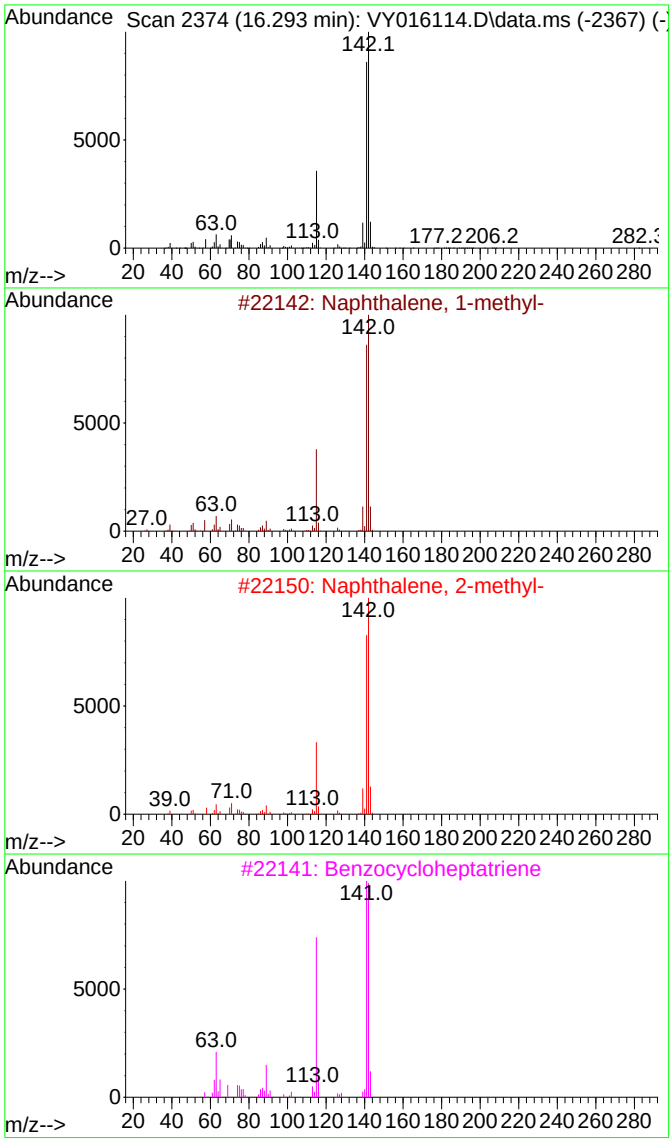
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

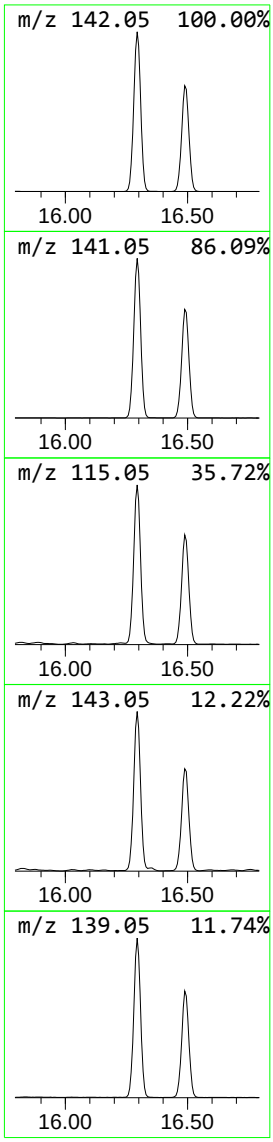
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.293	170.66 ug/l	23610600	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	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

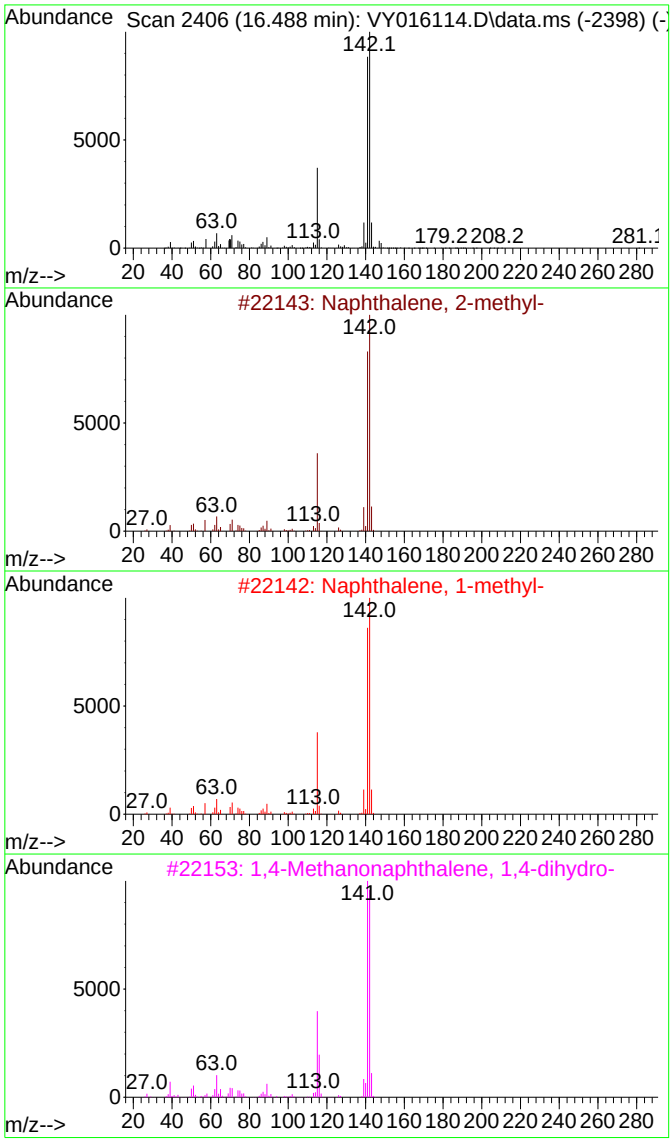
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

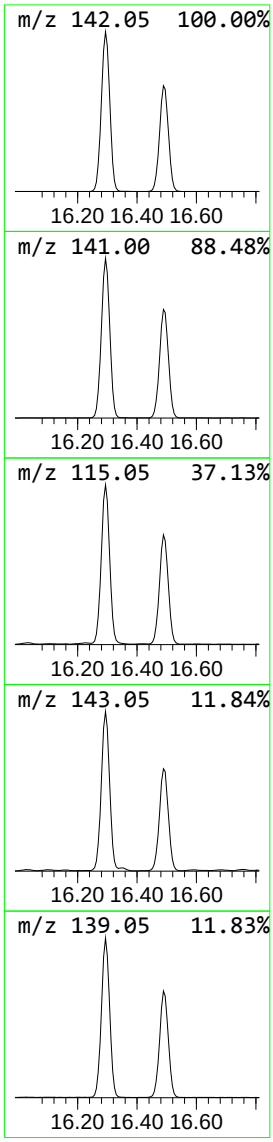
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.488	132.49 ug/l	18329700	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	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
Data File : VY016114.D
Acq On : 27 Oct 2023 19:17
Operator : SY/MD
Sample : 05107-06
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
1076

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.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
Heptane	8.551	50.0	ug/l	3035490	2	8.691	3035490	50.0
Octane	10.374	215.9	ug/l	3723880	3	11.489	862578	50.0
Cyclohexane, 1,...	10.520	62.6	ug/l	1079430	3	11.489	862578	50.0
Cyclohexane, et...	11.038	57.7	ug/l	995295	3	11.489	862578	50.0
Octane, 2-methyl-	11.282	92.3	ug/l	1592450	3	11.489	862578	50.0
Octane, 3-methyl-	11.386	50.0	ug/l	862578	3	11.489	862578	50.0
Benzene, 1-ethy...	12.971	51.5	ug/l	7128340	4	13.428	6917230	50.0
Indene	13.806	70.8	ug/l	9801370	4	13.428	6917230	50.0
Naphthalene, 1-...	16.293	170.7	ug/l	23610600	4	13.428	6917230	50.0
Naphthalene, 2-...	16.488	132.5	ug/l	18329700	4	13.428	6917230	50.0