LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUPLICATE-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_D\Method\82D090821S.M
Title : SW846 8260

Signal : TIC: VD070388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	9.355	1249	1264	1270	rBV	1453747	3522839	1.31%	0.092%
2	9.979	1364	1370	1383	rVB2	3097055	7970434	2.97%	0.208%
3	10.114	1383	1393	1407	rBV	3048840	7434913	2.77%	0.194%
4	10.338	1424	1431	1435	rBV	5709755	11453314	4.27%	0.299%
5	10.520	1454	1462	1471	rVB4	4233543	9166024	3.42%	0.239%
6	10.679	1483	1489	1498	rVB	3581509	7245621	2.70%	0.189%
7	10.779	1498	1506	1509	rBV2	2200199	4973611	1.85%	0.130%
8	10.861	1516	1520	1527	rVB	3882541	6978365	2.60%	0.182%
9	10.955	1527	1536	1544	rVB	9200011	18084611	6.74%	0.471%
10	11.055	1545	1553	1560	rBV	9831176	22660141	8.45%	0.591%
11	11.126	1560	1565	1571	rBV	5839504	10614379	3.96%	0.277%
12	11.191	1571	1576	1580	rBV	8339891	13198212	4.92%	0.344%
13	11.244	1580	1585	1591	rVB	17367937	30587109	11.40%	0.797%
14	11.297	1591	1594	1598	rVB	3304693	4626197	1.72%	0.121%
15	11.355	1598	1604	1609	rBV	19096002	38573710	14.38%	1.006%
16	11.432	1609	1617	1627	rVB4	57524411	165544409	61.72%	4.316%
17	11.532	1627	1634	1644	rVB2	49292091	106710480	39.78%	2.782%
18	11.626	1644	1650	1657	rBV2	8288348	18668763	6.96%	0.487%
19	11.720	1660	1666	1671	rVB2	7535087	14176550	5.29%	0.370%
20	11.779	1671	1676	1680	rBV	17350084	31927419	11.90%	0.832%
21	11.891	1680	1695	1700	rBV7	61031267	231919487	86.47%	6.046%
22	12.085	1708	1728	1733	rBV4	66834711	241969761	90.21%	6.308%
23	12.155	1733	1740	1747	rBV5	85515844	268223501	100.00%	6.993%
24	12.285	1756	1762	1767	rVB6	54491780	130750392	48.75%	3.409%
25	12.355	1767	1774	1777	rBV5	77399300	176595405	65.84%	4.604%
26	12.649	1820	1824	1825	rBV4	24351476	32381825	12.07%	0.844%
27	12.685	1826	1830	1833	rVV3	51142022	95451805	35.59%	2.489%
28	12.726	1834	1837	1842	rVV5	39596312	73141869	27.27%	1.907%
29	12.808	1846	1851	1857	rVB6	102023563	247824843	92.39%	6.461%
30	12.885	1857	1864	1869	rBV5	68809483	182812181	68.16%	4.766%
31	12.955	1869	1876	1883	rBV10	84322384	261007405	97.31%	6.805%
32	13.014	1883	1886	1892	rVB4	59047068	105920206	39.49%	2.761%
33	13.102	1896	1901	1905	rBV3	61091464	114788028	42.80%	2.993%
34	13.149	1905	1909	1912	rVV5	36890121	68421469	25.51%	1.784%
35	13.191	1912	1916	1923	rVB8	53883087	121616584	45.34%	3.171%
36	13.314	1933	1937	1941	rVB3	41118176	61103422	22.78%	1.593%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUPLICATE-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_D\Method\82D090821S.M
Title : SW846 8260

37	13.367	1942	1946	1948	rBV	27100632	42941273	16.01%	1.120%
38	13.461	1956	1962	1966	rBV4	57868436	133970550	49.95%	3.493%
39	13.538	1972	1975	1978	rVV	16661582	17785356	6.63%	0.464%
40	13.567	1978	1980	1984	rVB2	42850696	52429602	19.55%	1.367%
41	13.608	1984	1987	1989	rBV3	10057928	10550146	3.93%	0.275%
42	13.638	1989	1992	2000	rVB2	40272658	70885613	26.43%	1.848%
43	13.726	2003	2007	2011	rVB4	17982800	30042634	11.20%	0.783%
44	13.814	2017	2022	2030	rBV3	19718452	48431608	18.06%	1.263%
45	13.891	2030	2035	2040	rBV3	80631264	154068159	57.44%	4.017%
46	13.991	2050	2052	2056	rVB4	8035736	9417039	3.51%	0.246%
47	14.038	2056	2060	2067	rVV7	10793753	28474752	10.62%	0.742%
48	14.102	2067	2071	2076	rVB	28420828	45157940	16.84%	1.177%
49	14.208	2084	2089	2095	rVB4	22695343	44390833	16.55%	1.157%
50	14.273	2095	2100	2106	rVV7	14597994	28331998	10.56%	0.739%
51	14.355	2106	2114	2117	rVV4	13218011	28213459	10.52%	0.736%
52	14.396	2117	2121	2125	rVV2	23318746	45584274	16.99%	1.188%
53	14.432	2125	2127	2136	rVB3	19544229	29188236	10.88%	0.761%
54	14.508	2136	2140	2144	rBV2	10671880	16272978	6.07%	0.424%
55	14.555	2144	2148	2155	rVB3	4766798	9710776	3.62%	0.253%
56	14.732	2174	2178	2185	rVB3	9412826	15856072	5.91%	0.413%
57	14.802	2185	2190	2196	rBV5	5024653	12075524	4.50%	0.315%
58	15.079	2232	2237	2242	rBV3	2445919	4039624	1.51%	0.105%
59	15.185	2251	2255	2261	rVB4	1854770	3681651	1.37%	0.096%
60	15.279	2266	2271	2277	rVB4	1291261	3107291	1.16%	0.081%
61	15.343	2277	2282	2291	rVB	1478406	2988010	1.11%	0.078%

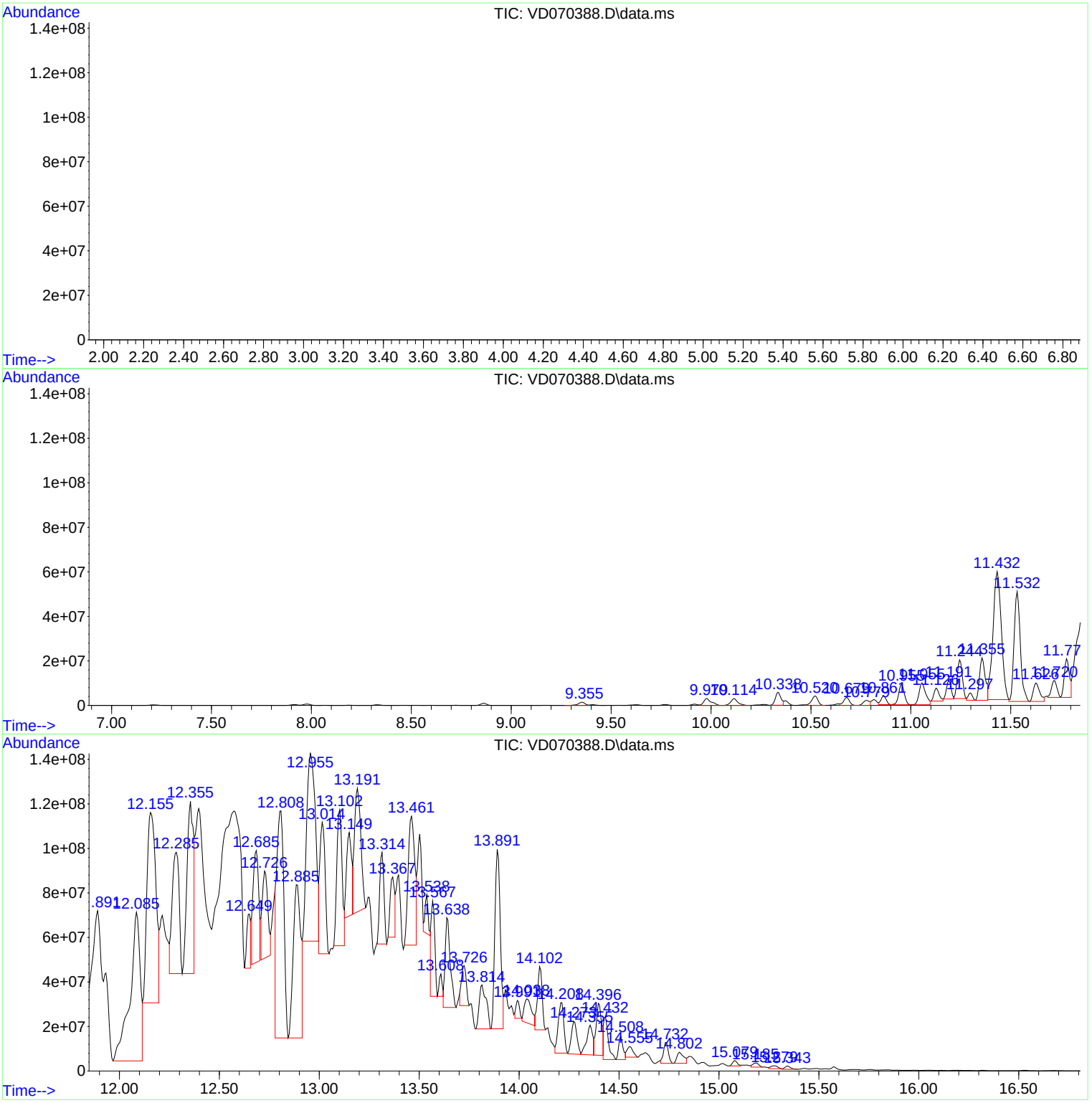
Sum of corrected areas: 3835640682

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

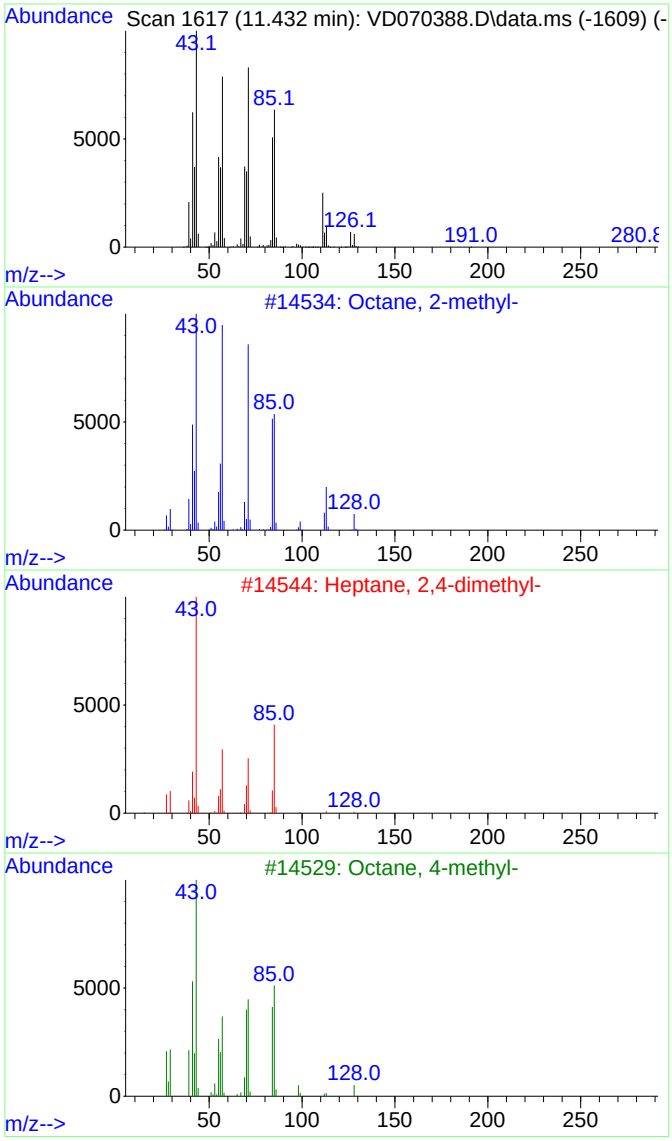
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

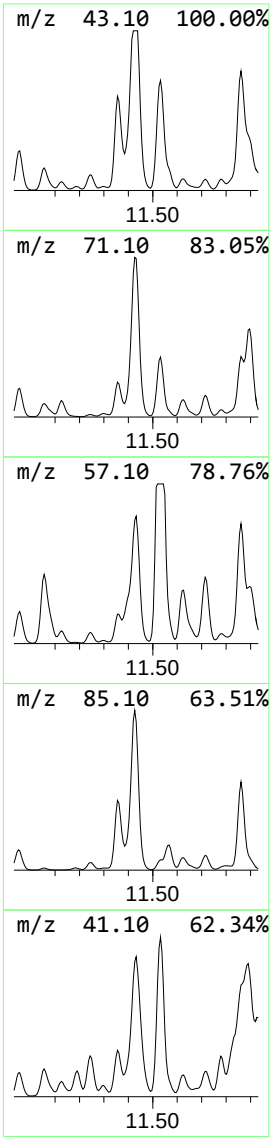
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Octane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	443.37 ug/l	165544000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	81
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
3	Octane, 4-methyl-	128	C9H20	002216-34-4	49
4	Sulfurous acid, isohexyl 2-penty...	236	C11H24O3S	1000309-15-5	47
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

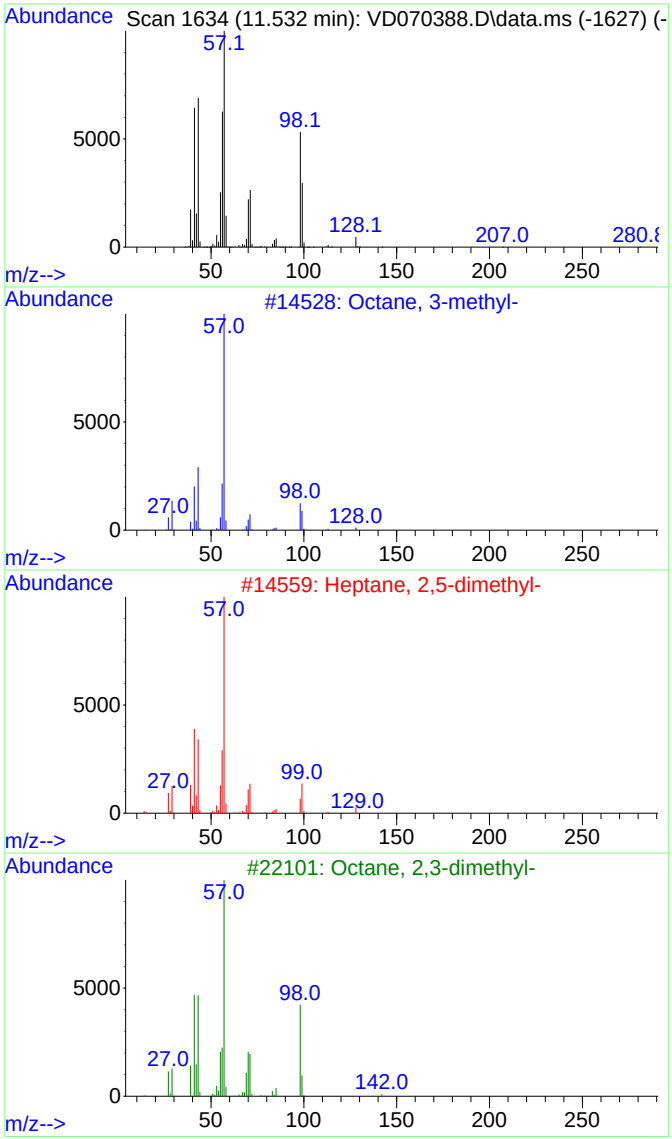
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

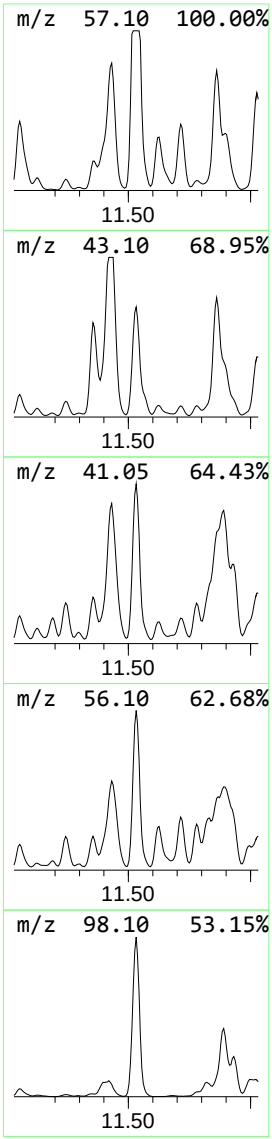
****

Peak Number 2 Octane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.532	285.80 ug/l	106710000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	83
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	62
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
4	Piperidine, 4-methyl-	99	C6H13N	000626-58-4	50
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

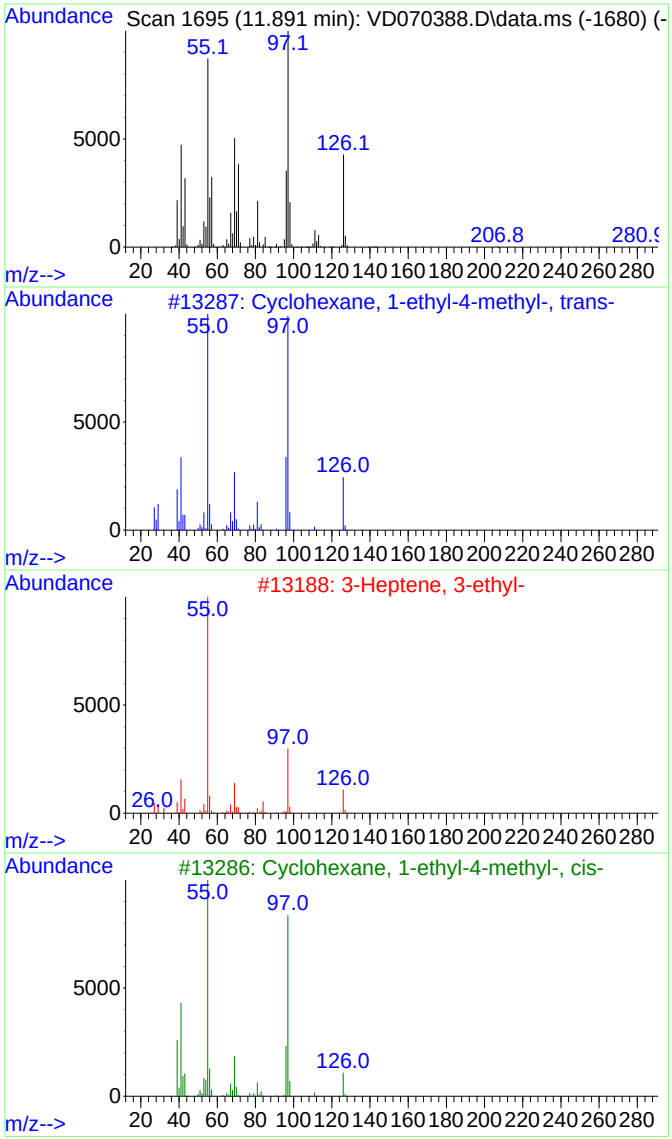
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

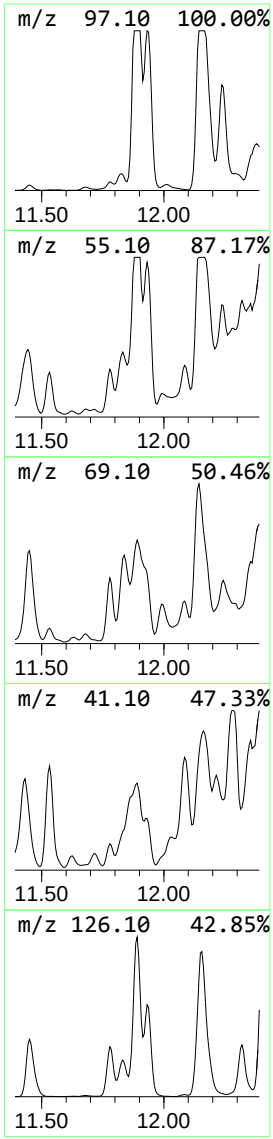
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.891	621.14 ug/l	231919000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
2	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	49
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	47
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	47
5	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

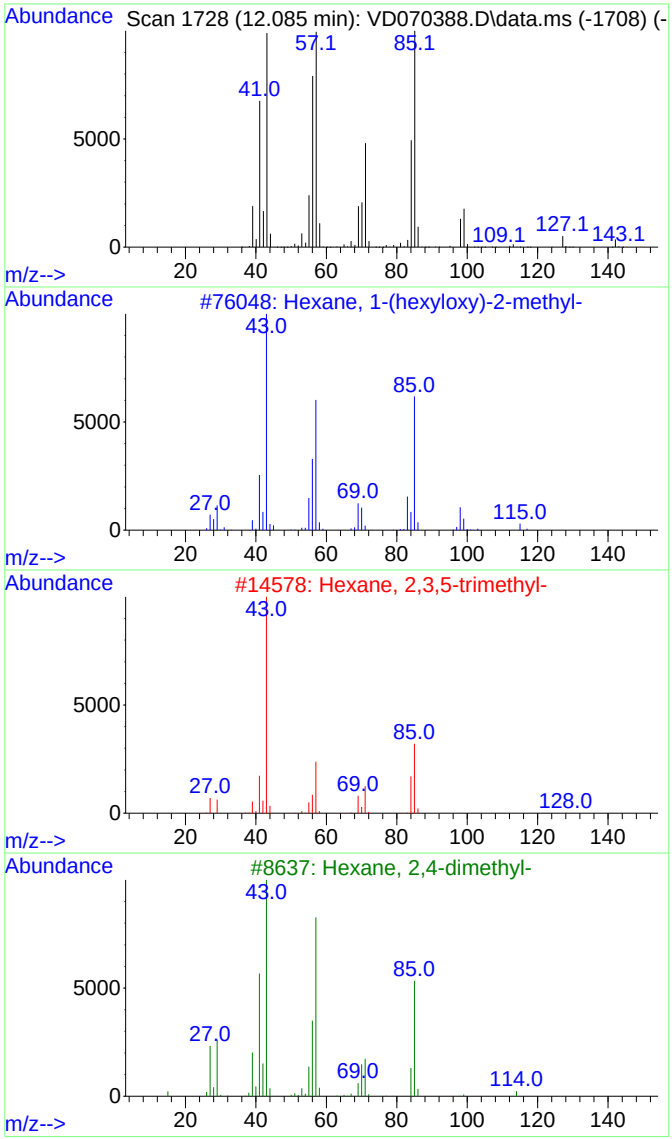
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

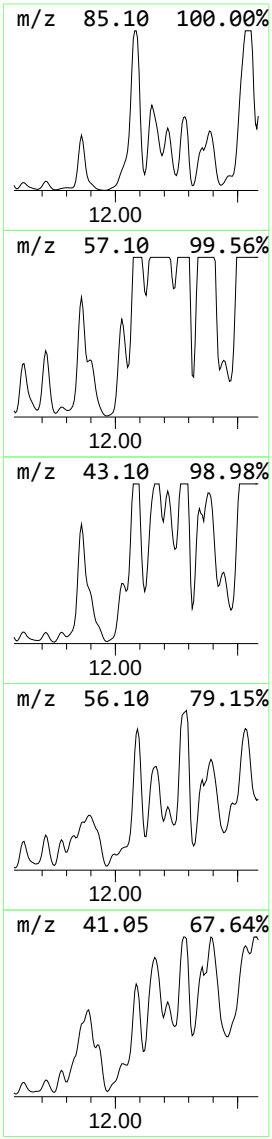
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexane, 1-(hexyloxy)-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	648.06 ug/l	241970000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	59
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Heptane, 2,4,6-trimethyl-	142	C10H22	002613-61-8	49
5	Oxalic acid, 6-ethyloct-3-yl iso...	314	C18H34O4	1000309-34-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

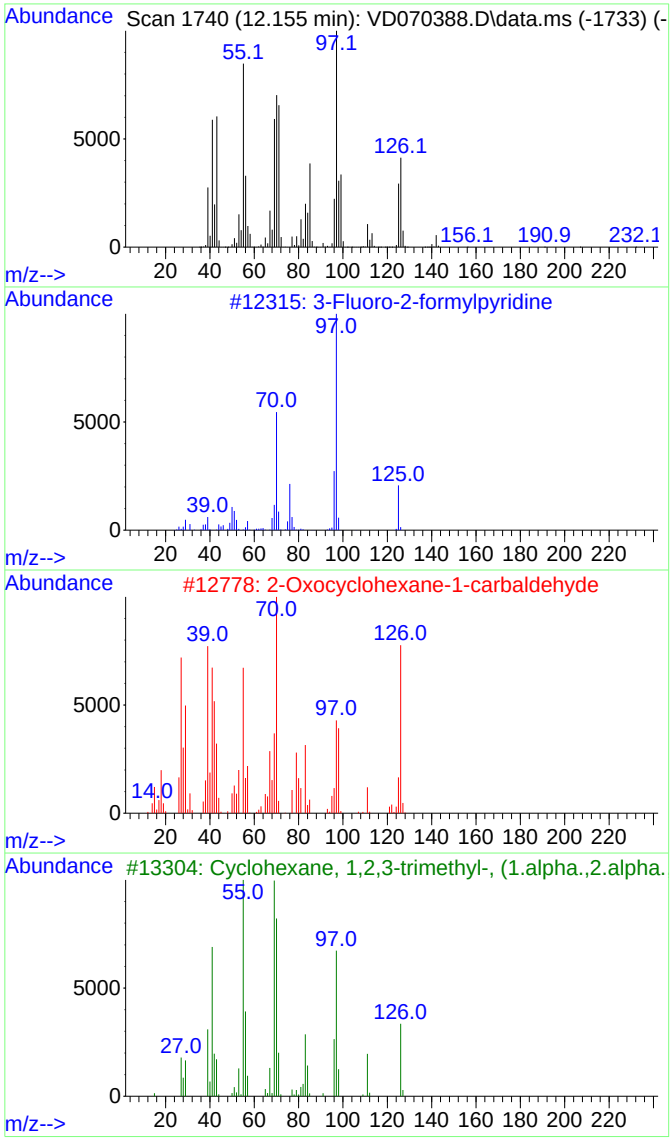
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

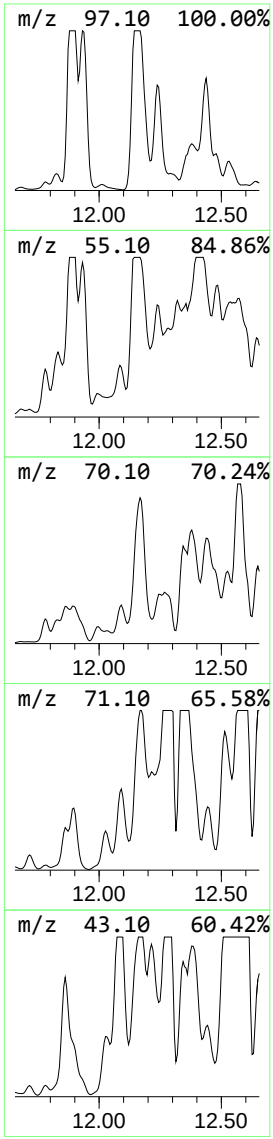
****

Peak Number 5 unknown12.155 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.155	718.38 ug/l	268224000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluoro-2-formylpyridine	125	C6H4FNO	031224-43-8	43
2	2-Oxocyclohexane-1-carbaldehyde	126	C7H10O2	001193-63-1	38
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	38
4	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	30
5	2-Azaquinuclidone-3	126	C6H10N2O	1000311-41-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

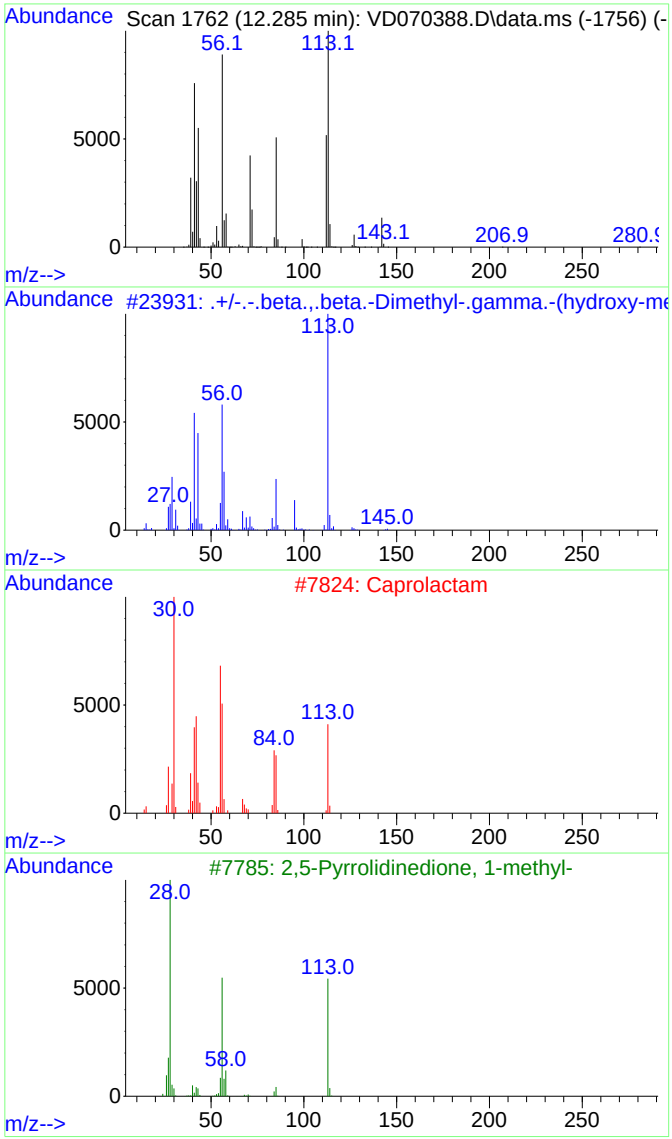
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

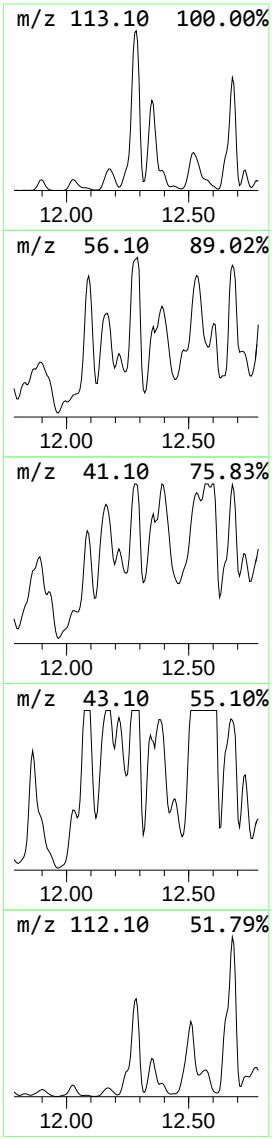
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.285 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.285	350.19 ug/l	130750000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.+/-.-.beta.,.beta.-Dimethyl-.ga...	144	C7H12O3	052398-48-8	47
2	Caprolactam	113	C6H11NO	000105-60-2	47
3	2,5-Pyrrolidinedione, 1-methyl-	113	C5H7NO2	001121-07-9	43
4	2-Propanone, 2-propenylhydrazone	112	C6H12N2	019031-79-9	38
5	2-Propanone, diethylhydrazone	128	C7H16N2	016713-36-3	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

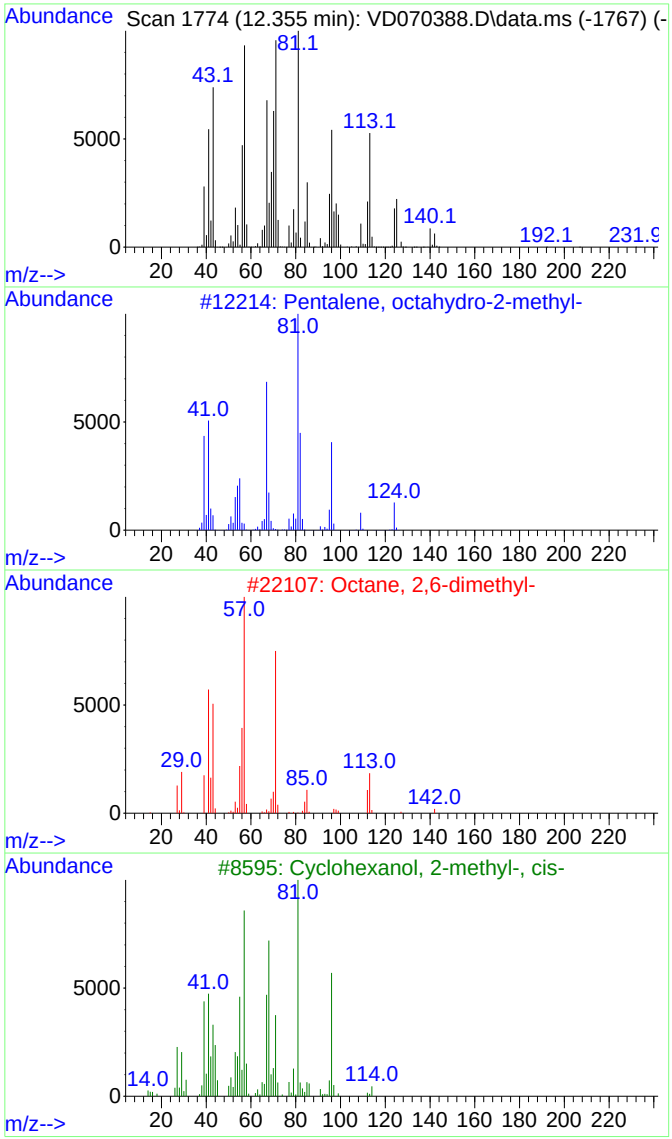
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

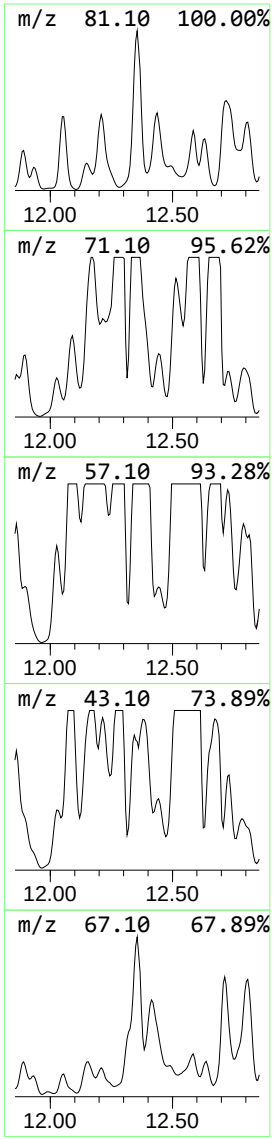
****

Peak Number 7 unknown12.355 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.355	472.97 ug/l	176595000	Chlorobenzene-d5	11.638

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	38
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	27
3	Cyclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	27
4	Thiazole, 4,5-dimethyl-	113	C5H7NS	003581-91-7	27
5	2-Butenenitrile, 2-amino-3-methyl-	96	C5H8N2	1010196-28-0	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

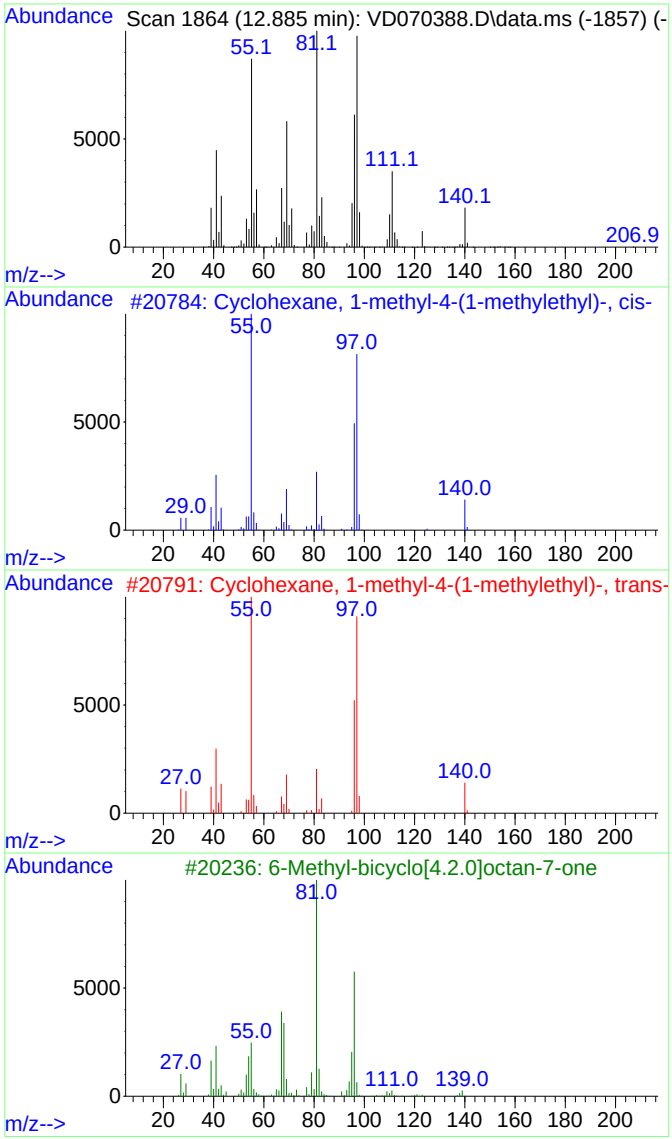
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

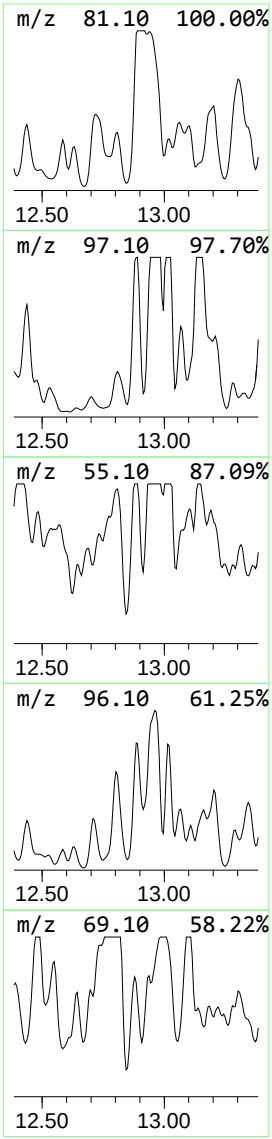
****

Peak Number 8 unknown12.885 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.885	174.34 ug/l	182812000	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
3	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1010193-87-2	38
4	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	38
5	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

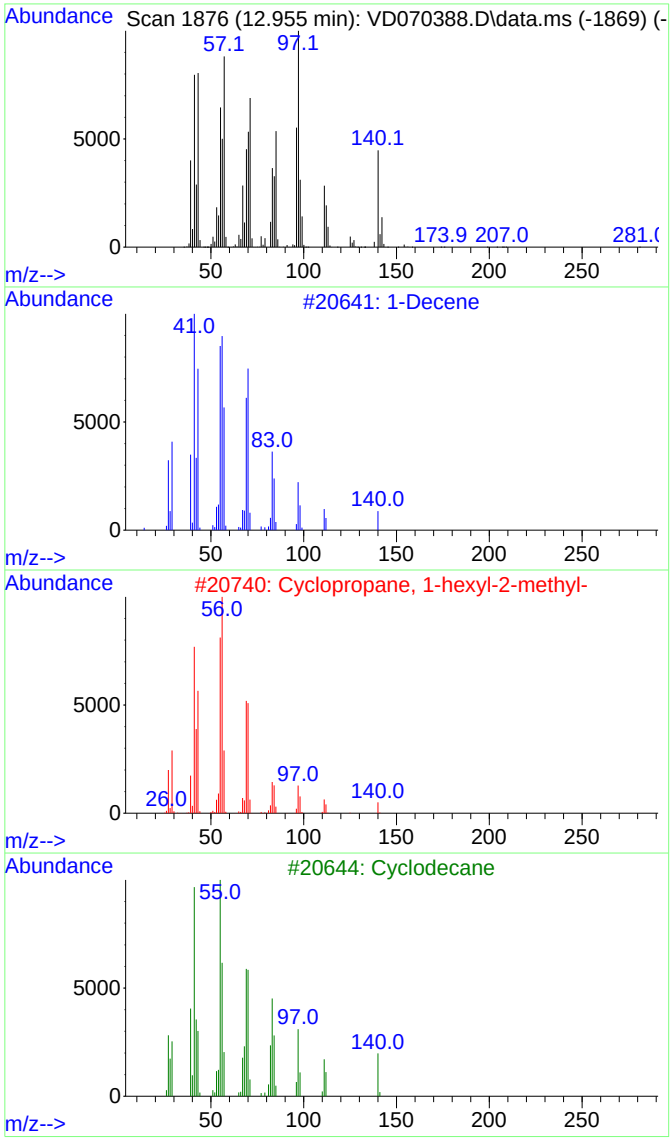
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

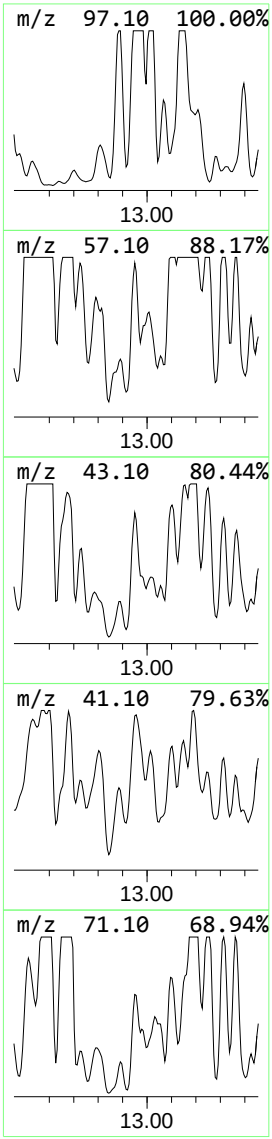
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown12.955 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.955	248.91 ug/l	261007000	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	46
2	Cyclopropane, 1-hexyl-2-methyl-	140	C10H20	062238-09-9	45
3	Cyclodecane	140	C10H20	000293-96-9	41
4	4-Nonene, 2-methyl-, (Z)-	140	C10H20	051090-05-2	25
5	5-Decene, (E)-	140	C10H20	007433-56-9	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUPLICATE-2

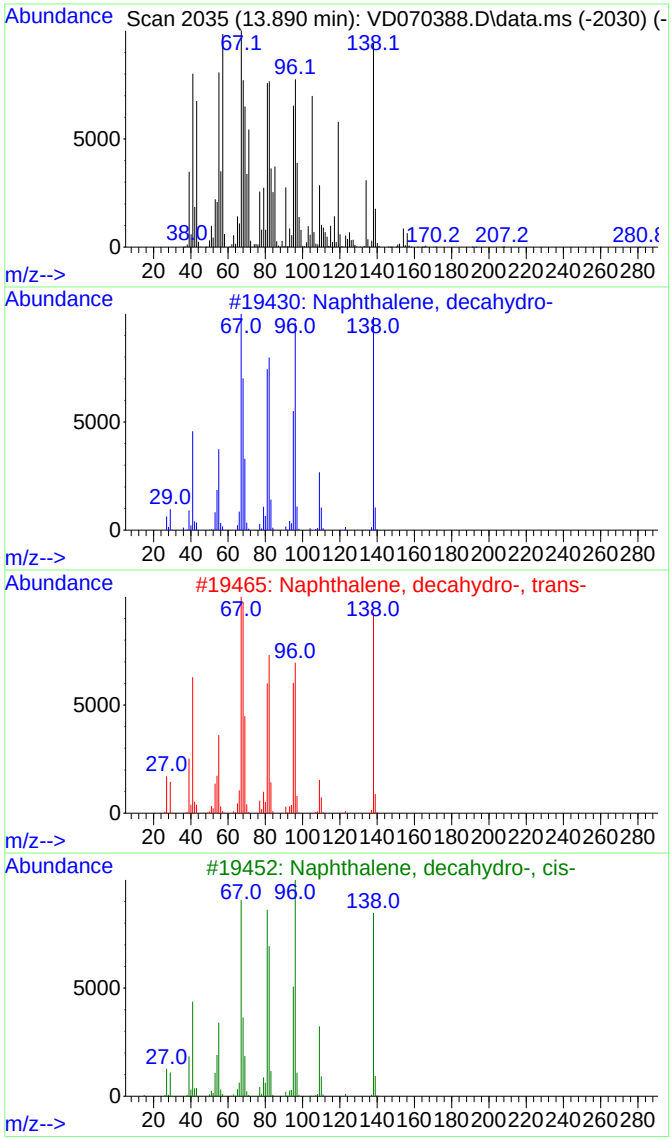
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

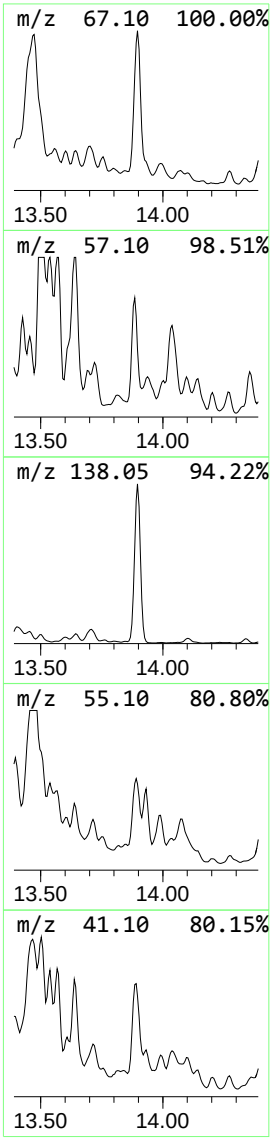
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, decahydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.890	146.93 ug/l	154068000	1,4-Dichlorobenzene-d4	13.561

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
4	Spiro[4.5]decane	138	C10H18	000176-63-6	93
5	Cyclohexanol, 2-butyl-,	156	C10H20O	036159-49-6	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
Data File : VD070388.D
Acq On : 20 Sep 2021 17:11
Operator : VA/SY
Sample : M3798-07
Misc : 6.58G/5.00ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUPLICATE-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.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
Octane, 2-methyl-	11.432	443.4	ug/l	165544000	3	11.638	18668800	50.0
Octane, 3-methyl-	11.532	285.8	ug/l	106710000	3	11.638	18668800	50.0
Cyclohexane, 1-...	11.891	621.1	ug/l	231919000	3	11.638	18668800	50.0
Hexane, 1-(hexy...	12.085	648.1	ug/l	241970000	3	11.638	18668800	50.0
unknown12.155	12.155	718.4	ug/l	268224000	3	11.638	18668800	50.0
unknown12.285	12.285	350.2	ug/l	130750000	3	11.638	18668800	50.0
unknown12.355	12.355	473.0	ug/l	176595000	3	11.638	18668800	50.0
unknown12.885	12.885	174.3	ug/l	182812000	4	13.561	52429600	50.0
unknown12.955	12.955	248.9	ug/l	261007000	4	13.561	52429600	50.0
Naphthalene, de...	13.890	146.9	ug/l	154068000	4	13.561	52429600	50.0