LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

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_W\METHOD\82W120418S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.104	1336	1345	1358	rVB2	490291	1615154	1.32%	0.170%
2	10.323	1374	1381	1385	rBV	1507809	3015610	2.47%	0.317%
3	10.512	1404	1412	1423	rVB4	1388391	3707311	3.04%	0.390%
4	10.671	1426	1438	1447	rBV2	1709869	4459976	3.65%	0.469%
5	10.762	1447	1453	1457	rBV	1047104	2175848	1.78%	0.229%
6	10.853	1464	1468	1477	rVB2	959820	2200421	1.80%	0.232%
7	10.951	1477	1484	1495	rBV3	4593045	14617022	11.97%	1.539%
8	11.055	1495	1501	1508	rBV2	2511081	7577333	6.21%	0.798%
9	11.183	1518	1522	1526	rBV2	1723897	2911322	2.38%	0.306%
10	11.244	1526	1532	1544	rVB	8544723	25257448	20.68%	2.659%
11	11.359	1544	1551	1556	rBV5	4656775	12910895	10.57%	1.359%
12	11.530	1574	1579	1592	rVB3	5612369	20621232	16.89%	2.171%
13	11.689	1600	1605	1606	rBV3	821535	1383467	1.13%	0.146%
14	11.859	1615	1633	1634	rBV6	16425136	49291051	40.37%	5.188%
15	12.091	1666	1671	1676	rBV5	2507409	6572530	5.38%	0.692%
16	12.176	1676	1685	1692	rBV5	21046194	64701298	52.99%	6.810%
17	12.304	1698	1706	1710	rVB	22425978	54746726	44.84%	5.763%
18	12.402	1710	1722	1733	rBV6	27237846	122107086	100.00%	12.853%
19	12.652	1759	1763	1768	rBV5	4730732	9383121	7.68%	0.988%
20	12.737	1771	1777	1781	rVV6	6645361	16322618	13.37%	1.718%
21	12.816	1782	1790	1796	rVB5	30625211	79925387	65.46%	8.413%
22	12.890	1796	1802	1806	rBV3	17786819	37947612	31.08%	3.994%
23	12.963	1807	1814	1821	rVV5	31017469	101036206	82.74%	10.635%
24	13.024	1821	1824	1829	rVB3	16947469	25543898	20.92%	2.689%
25	13.109	1833	1838	1842	rBV5	10699136	20782640	17.02%	2.188%
26	13.152	1842	1845	1847	rVV3	5326063	7400772	6.06%	0.779%
27	13.194	1847	1852	1858	rVB2	26076121	46724299	38.27%	4.918%
28	13.274	1859	1865	1870	rBV	22702330	43843035	35.91%	4.615%
29	13.365	1877	1880	1883	rBV3	5846776	8214863	6.73%	0.865%
30	13.402	1883	1886	1890	rVB	7467761	10298312	8.43%	1.084%
31	13.475	1891	1898	1901	rBV5	14155309	32496774	26.61%	3.421%
32	13.609	1915	1920	1924	rVB	5980398	9031538	7.40%	0.951%
33	13.725	1934	1939	1943	rBV4	5771707	10575627	8.66%	1.113%
34	13.810	1949	1953	1961	rVB4	5407120	13671108	11.20%	1.439%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

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_W\METHOD\82W120418S.M
Title : SW846 8260

35	13.896	1961	1967	1972	rBV2	12393093	23239129	19.03%	2.446%
36	13.993	1979	1983	1984	rBV2	1410673	1856067	1.52%	0.195%
37	14.024	1984	1988	1990	rBV2	2912921	3925886	3.22%	0.413%
38	14.109	1997	2002	2009	rVB	7435437	13656202	11.18%	1.437%
39	14.170	2009	2012	2014	rVV	1010991	1336022	1.09%	0.141%
40	14.213	2014	2019	2025	rVB2	4817865	9254127	7.58%	0.974%
41	14.280	2025	2030	2036	rVB7	1727636	3641685	2.98%	0.383%
42	14.347	2036	2041	2045	rBV5	1134667	2059695	1.69%	0.217%
43	14.395	2045	2049	2052	rVV	3195766	4834732	3.96%	0.509%
44	14.426	2052	2054	2057	rVV2	2163368	2798668	2.29%	0.295%
45	14.463	2057	2060	2064	rVB	2812710	3939345	3.23%	0.415%
46	14.554	2070	2075	2081	rVB4	1463551	2869947	2.35%	0.302%
47	14.798	2110	2115	2122	rVV2	1660128	3558100	2.91%	0.375%

Sum of corrected areas: 950039145

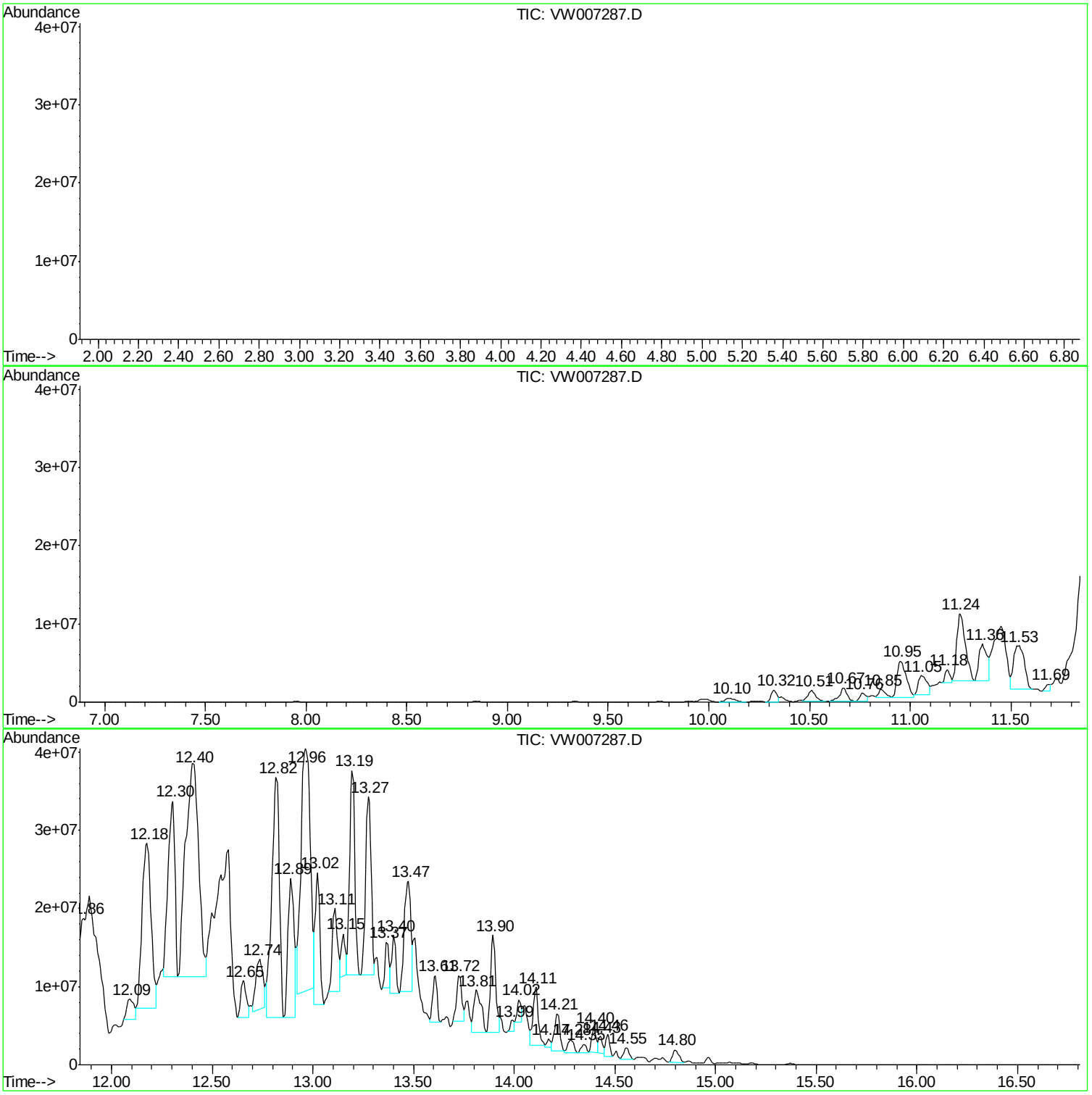
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

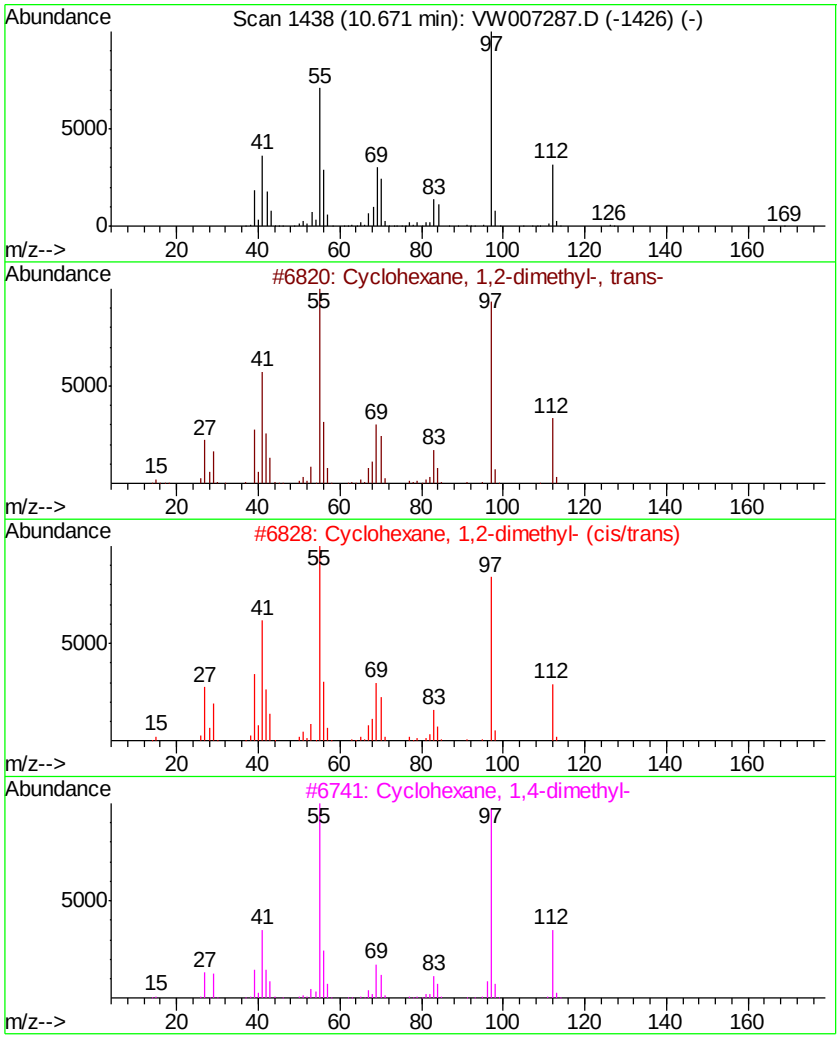
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

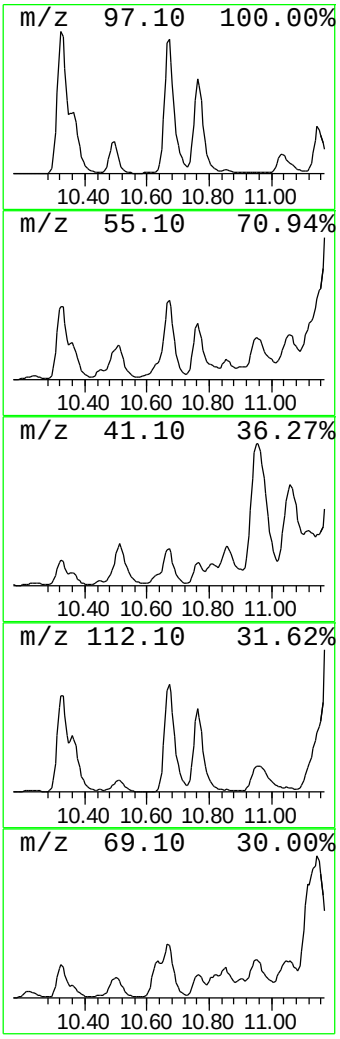
****

Peak Number 1 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	161.19 ug/l	4459980	Chlorobenzene-d5	11.63

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, 1,4-dimethyl-	112	C8H16	000589-90-2	87
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

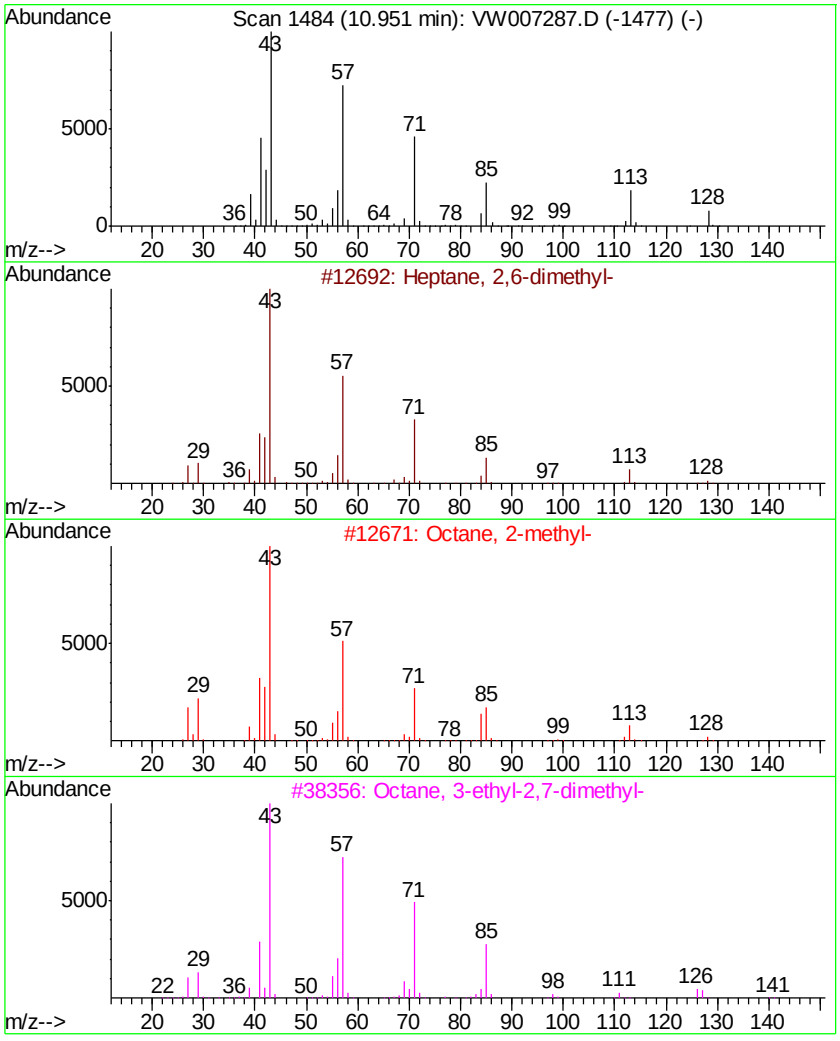
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

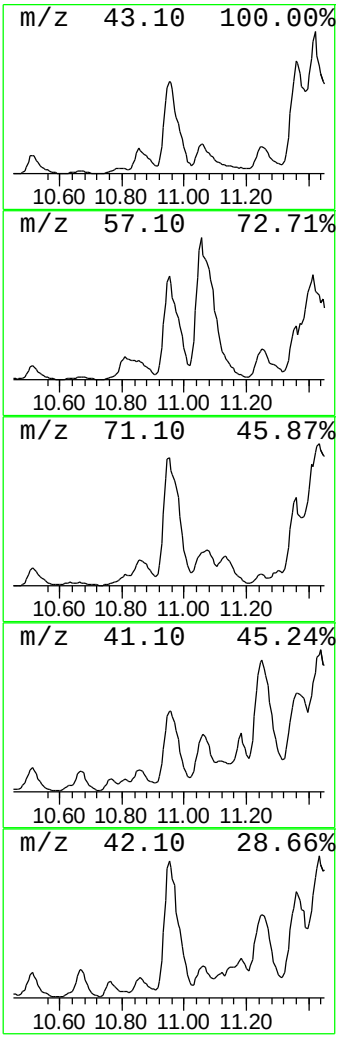
****

Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	528.28 ug/l	14617000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	83
2	Octane, 2-methyl-	128	C9H20	003221-61-2	59
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
4	Nonane	128	C9H20	000111-84-2	49
5	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

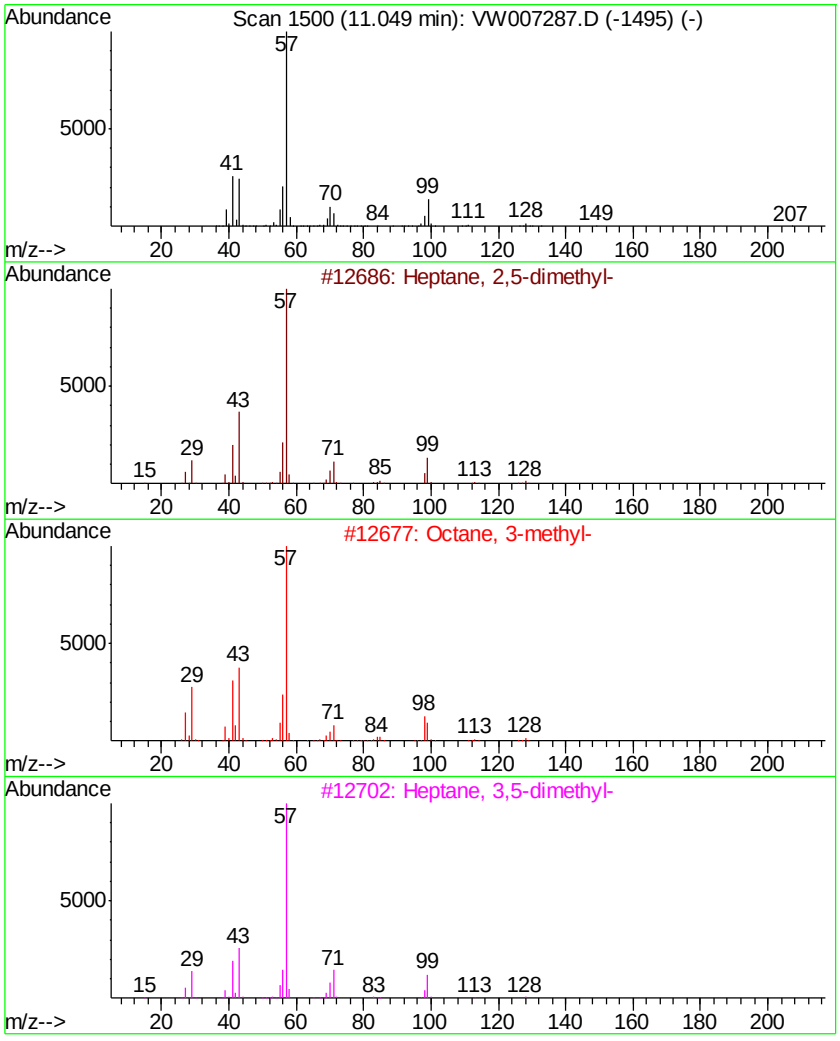
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

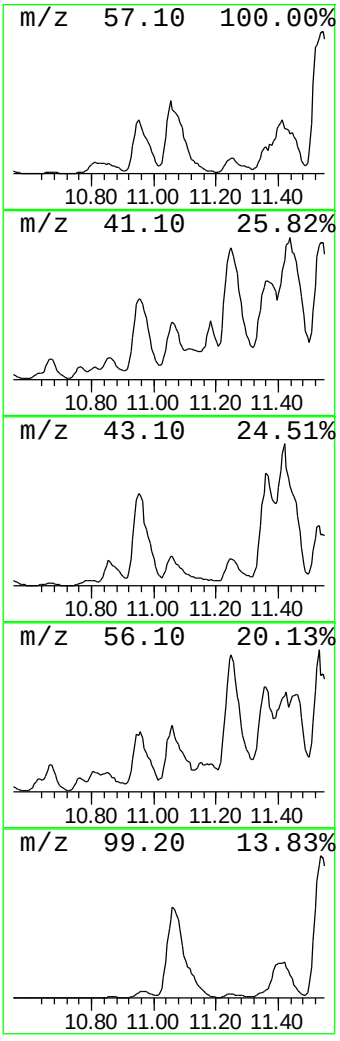
****

Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	273.85 ug/l	7577330	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Octane, 3-methyl-	128	C9H20	002216-33-3	86
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
4	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	64
5	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

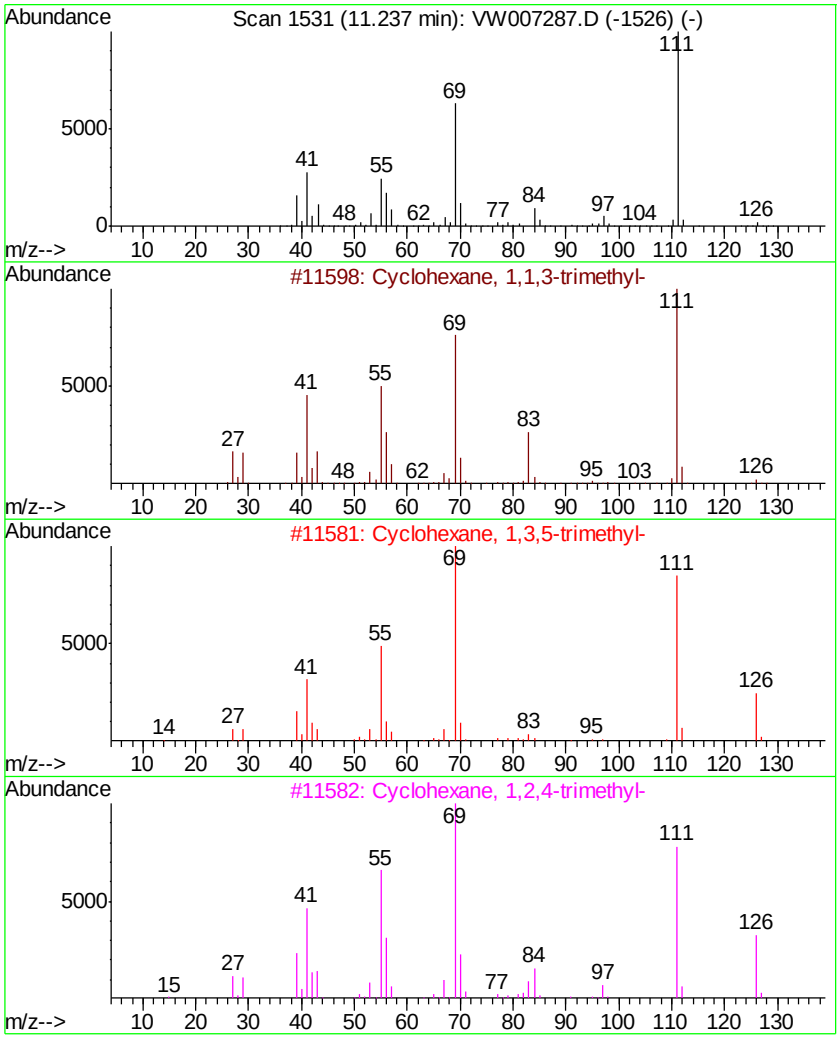
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

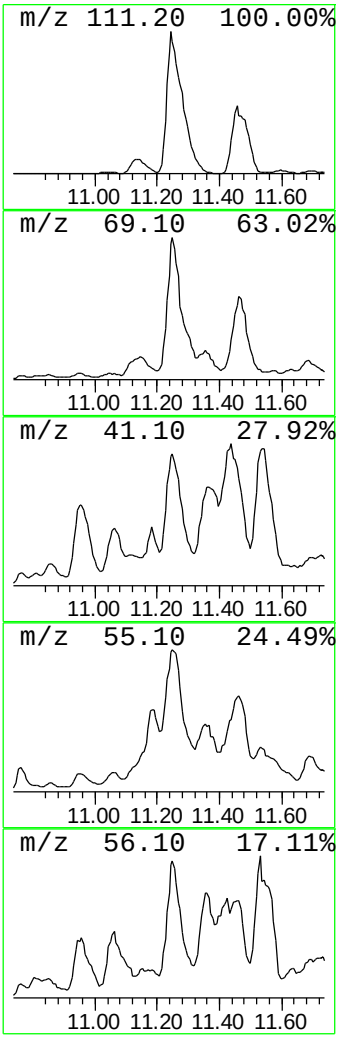
****

Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	912.83 ug/l	25257400	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	45
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	40
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	40
5	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

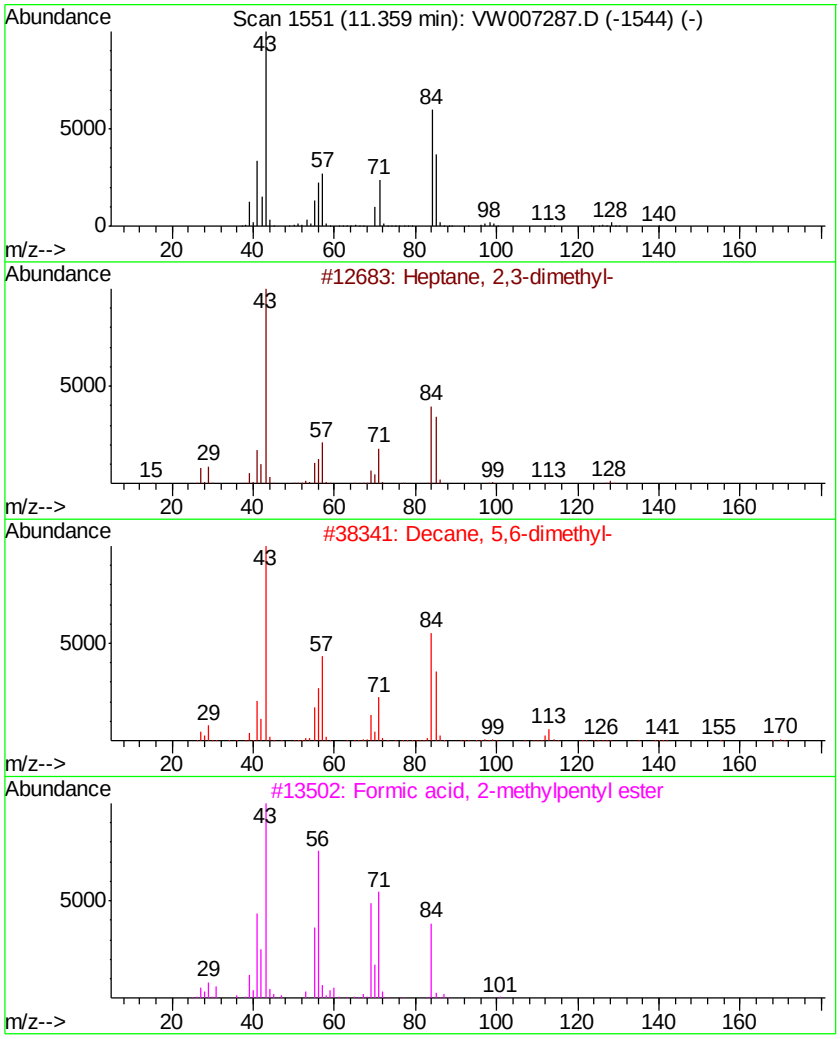
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

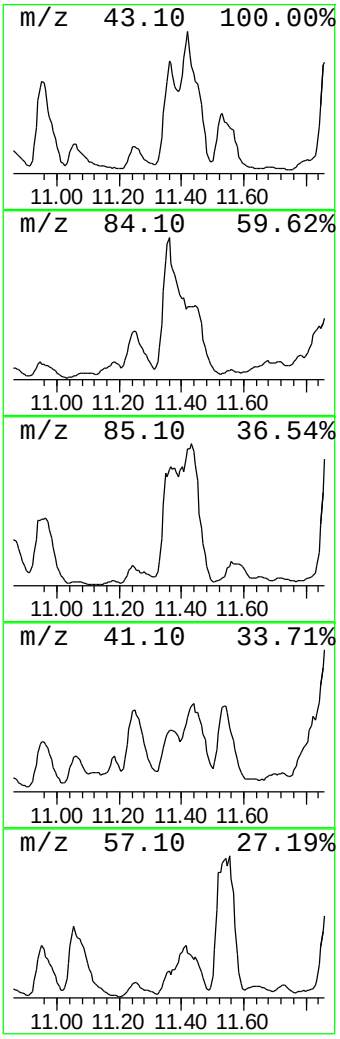
****

Peak Number 5 Heptane, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	466.61 ug/l	12910900	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	64
3	Formic acid, 2-methylpentyl ester	130	C7H14O2	381670-34-4	59
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	53
5	Piperidine	85	C5H11N	000110-89-4	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

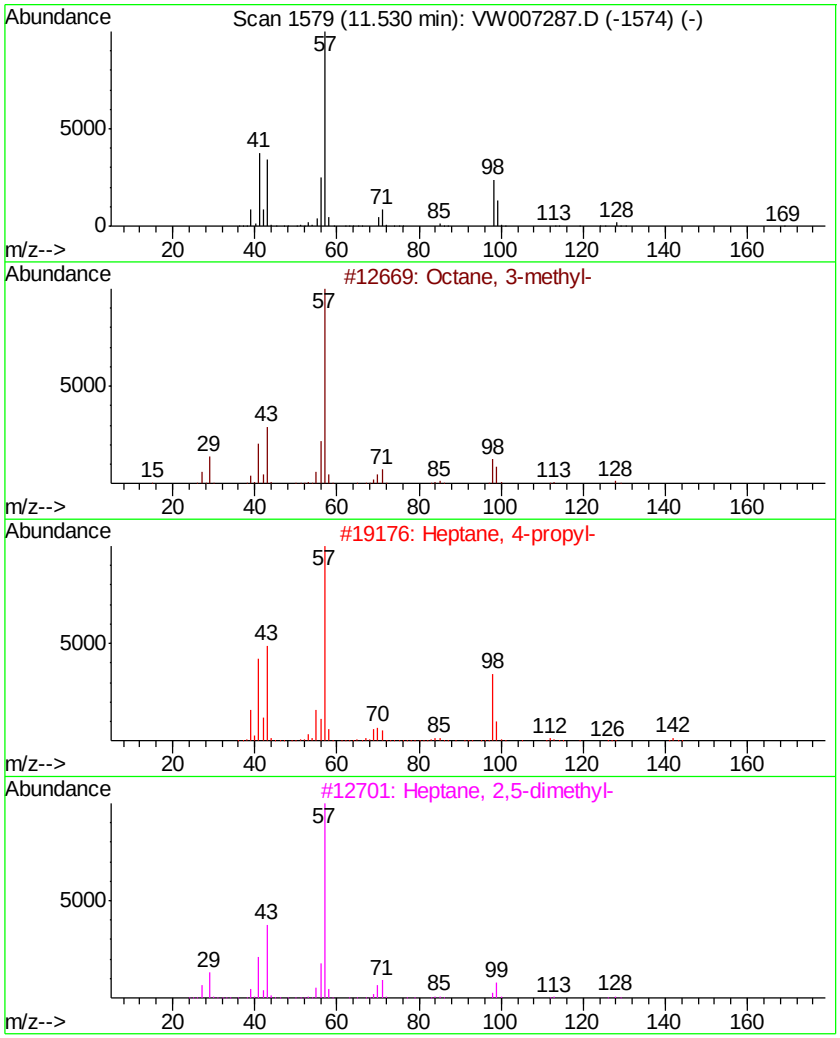
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

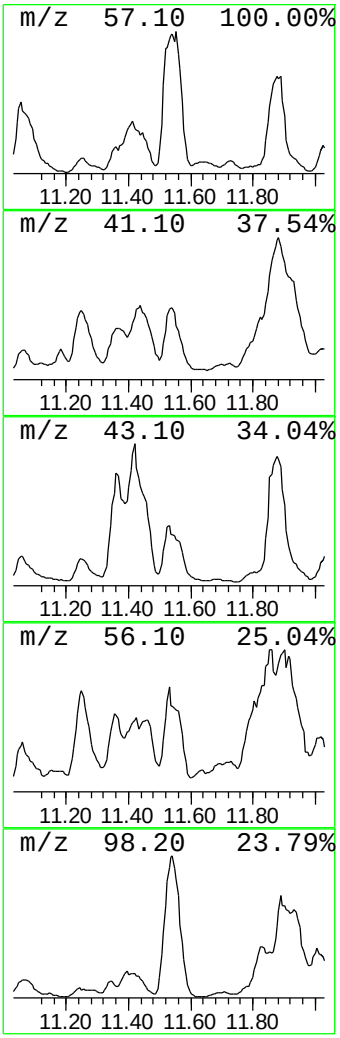
****

Peak Number 6 Octane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	745.27 ug/l	20621200	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	53
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	42
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

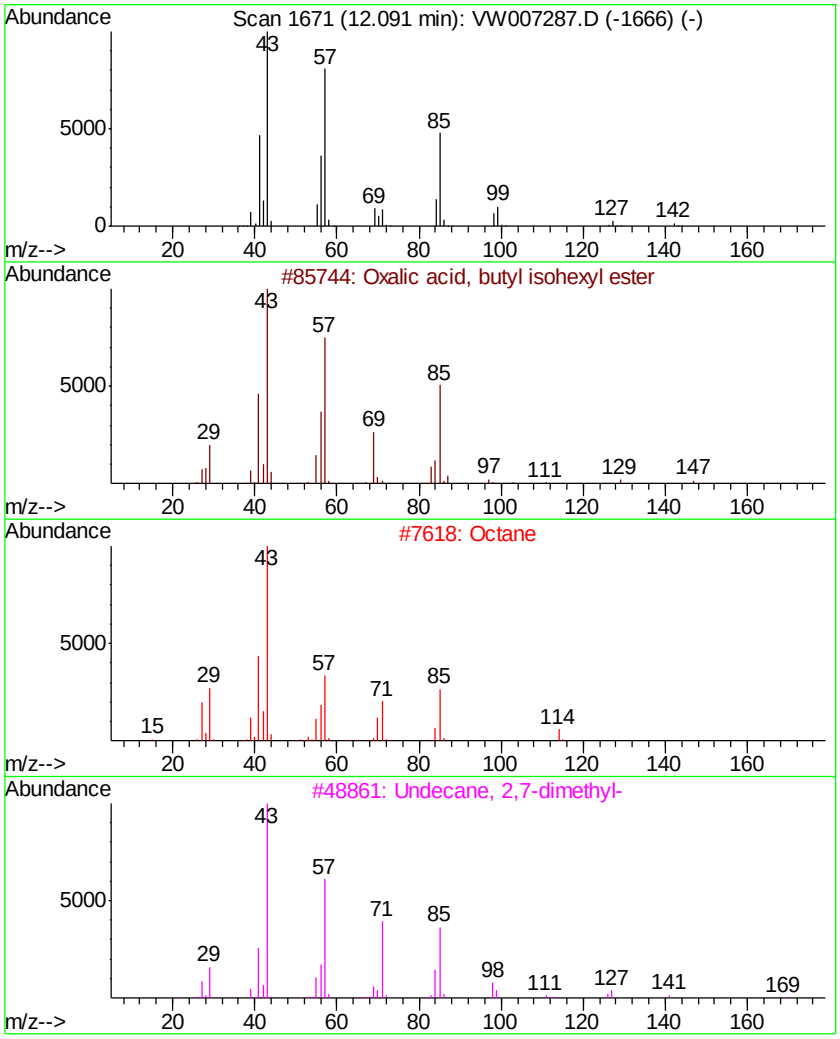
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

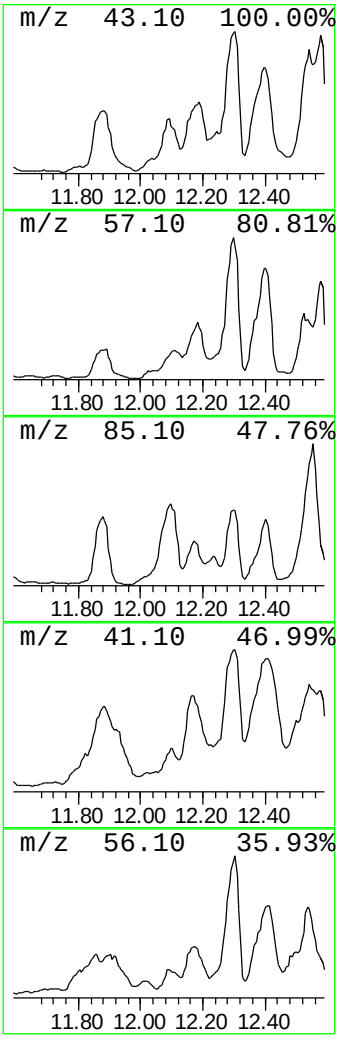
****

Peak Number 7 Oxalic acid, butyl isohexyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	237.54 ug/l	6572530	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
2	Octane	114	C8H18	000111-65-9	64
3	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	64
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	64
5	Methylamine, N-(1-ethylpentylide...	127	C8H17N	018641-73-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

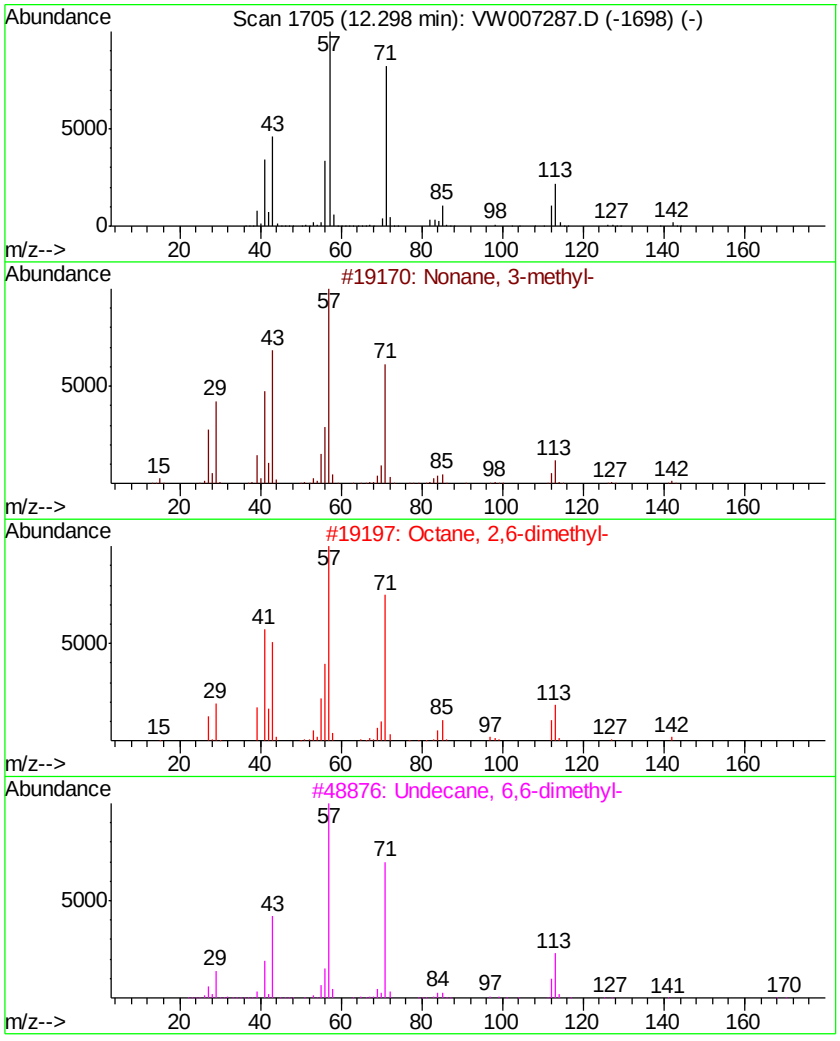
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

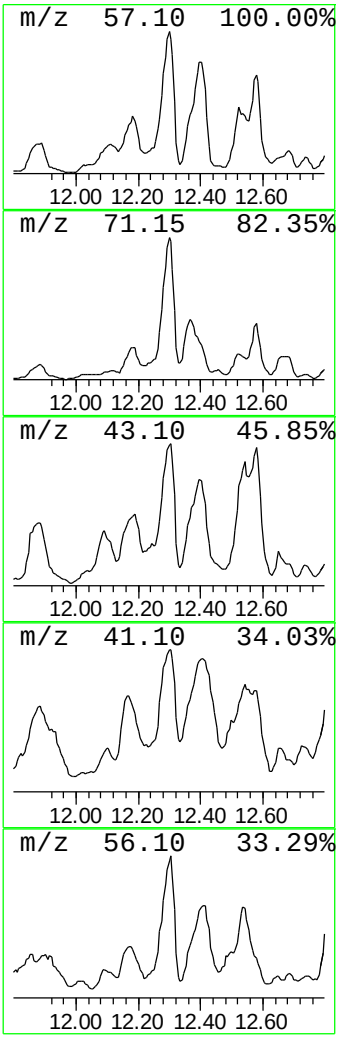
****

Peak Number 8 Nonane, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1978.61 ug/l	54746700	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
4	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	72
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

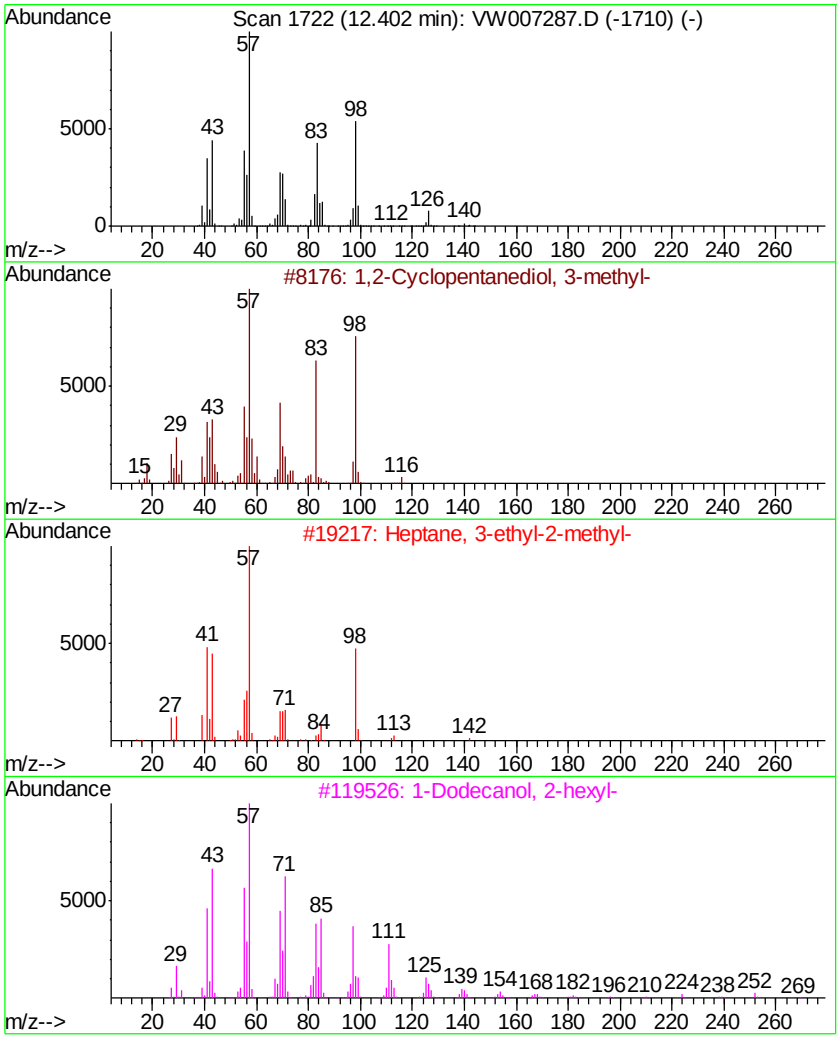
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

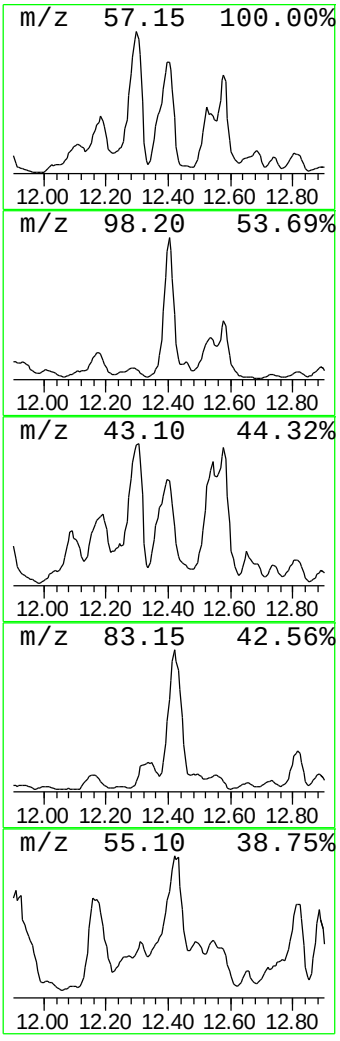
****

Peak Number 9 1,2-Cyclopentanediol, 3-met... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4413.08 ug/l	122107000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclopentanediol, 3-methyl-	116	C6H12O2	027583-37-5	59
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	40
4	E-2-Tetradecen-1-ol	212	C14H28O	1000130-83-7	40
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

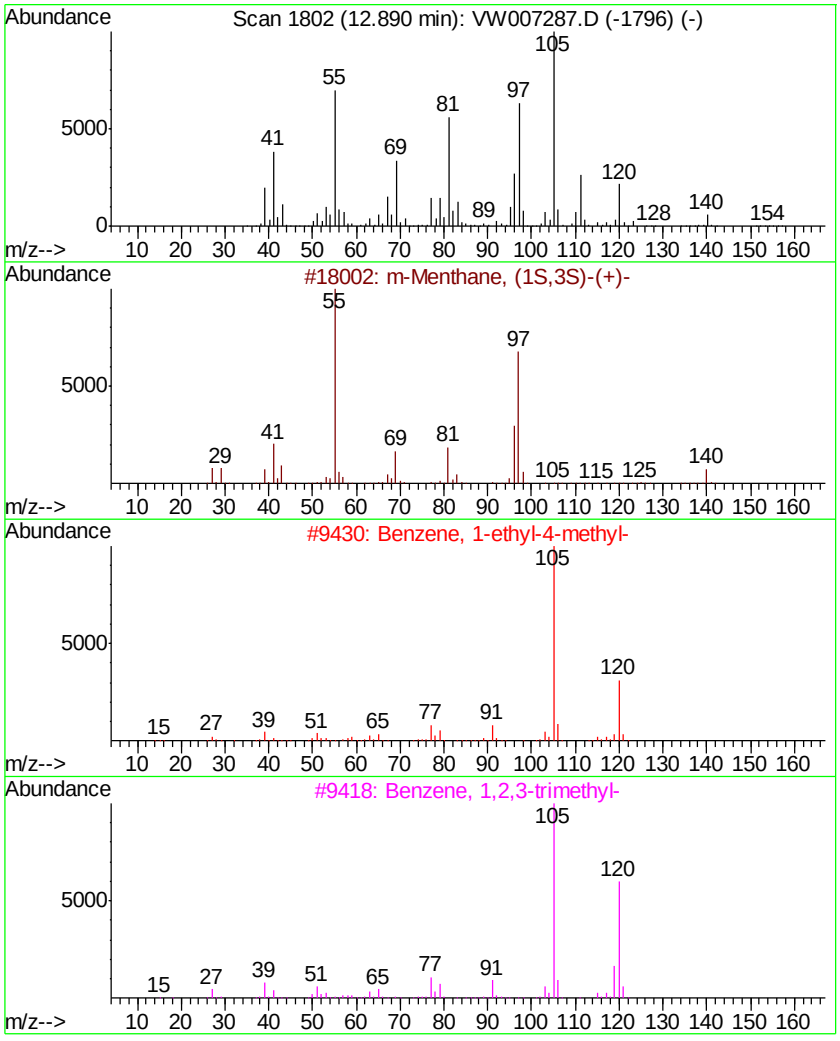
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

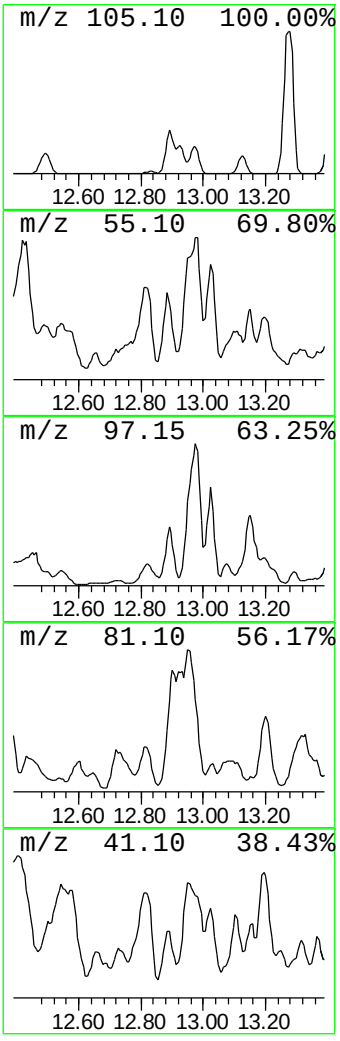
****

Peak Number 10 unknown12.89 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	210.08 ug/l	37947600	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	35
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	35
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007287.D
Acq On : 06 Dec 2018 19:09
Operator : SY/AP
Sample : J6248-07
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 4UST-BASE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.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
Cyclohexane, 1,2-...	10.67	161.2	ug/l	4459980	3	11.63	1383470	50.0
Heptane, 2,6-dime...	10.95	528.3	ug/l	14617000	3	11.63	1383470	50.0
Heptane, 2,5-dime...	11.05	273.9	ug/l	7577330	3	11.63	1383470	50.0
Cyclohexane, 1,1,...	11.24	912.8	ug/l	25257400	3	11.63	1383470	50.0
Heptane, 2,3-dime...	11.36	466.6	ug/l	12910900	3	11.63	1383470	50.0
Octane, 3-methyl-	11.53	745.3	ug/l	20621200	3	11.63	1383470	50.0
Oxalic acid, buty...	12.09	237.5	ug/l	6572530	3	11.63	1383470	50.0
Nonane, 3-methyl-	12.30	1978.6	ug/l	54746700	3	11.63	1383470	50.0
1,2-Cyclopentaned...	12.40	4413.1	ug/l	122107000	3	11.63	1383470	50.0
unknown12.89	12.89	210.1	ug/l	37947600	4	13.57	9031540	50.0