LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

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\82Y061920S.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	2.066	47	54	73	rBV	4836685	10892137	2.31%	0.347%
2	2.237	73	82	112	rBV	14108666	65834058	13.96%	2.096%
3	2.767	156	169	170	rBV2	1895674	5161169	1.09%	0.164%
4	2.895	181	190	227	rBV	32236114	471667913	100.00%	15.019%
5	3.981	351	368	370	rBV	20429509	110533043	23.43%	3.520%
6	7.632	938	967	984	rBV5	28121792	354918463	75.25%	11.302%
7	9.656	1291	1299	1301	rBV3	16788860	49234945	10.44%	1.568%
8	10.510	1436	1439	1442	rBV2	5169934	7249721	1.54%	0.231%
9	10.626	1451	1458	1459	rBV5	8756598	19568067	4.15%	0.623%
10	10.674	1461	1466	1476	rVB5	27482941	97817125	20.74%	3.115%
11	10.851	1487	1495	1501	rBV3	7767014	27433072	5.82%	0.874%
12	10.949	1502	1511	1519	rVV	11458043	45982533	9.75%	1.464%
13	11.302	1563	1569	1580	rVB6	19161370	72727565	15.42%	2.316%
14	11.418	1580	1588	1596	rVB	11094575	38350949	8.13%	1.221%
15	11.528	1597	1606	1612	rBV2	10089116	35731603	7.58%	1.138%
16	11.619	1612	1621	1622	rBV3	40243476	113352877	24.03%	3.609%
17	11.711	1631	1636	1641	rBV4	39367522	119015904	25.23%	3.790%
18	11.961	1665	1677	1681	rBV5	7004430	17961294	3.81%	0.572%
19	12.040	1682	1690	1692	rBV6	50400140	103696873	21.99%	3.302%
20	12.132	1700	1705	1710	rVB2	4961748	10340013	2.19%	0.329%
21	12.211	1714	1718	1722	rBV3	2540049	4958184	1.05%	0.158%
22	12.339	1732	1739	1746	rBV2	42924151	101536800	21.53%	3.233%
23	12.473	1755	1761	1767	rVB2	19402774	45204868	9.58%	1.439%
24	12.540	1767	1772	1776	rBV	4124143	6327194	1.34%	0.201%
25	12.680	1784	1795	1801	rBV3	41589850	121461404	25.75%	3.868%
26	12.747	1801	1806	1807	rBV3	45436905	79140284	16.78%	2.520%
27	12.827	1816	1819	1827	rVB2	52130798	106302044	22.54%	3.385%
28	12.979	1837	1844	1853	rBV2	49169163	108266577	22.95%	3.447%
29	13.076	1853	1860	1863	rBV	11991844	20429648	4.33%	0.651%
30	13.125	1863	1868	1871	rBV4	50299425	108175771	22.93%	3.445%
31	13.259	1882	1890	1892	rBV3	10438538	26180842	5.55%	0.834%
32	13.290	1892	1895	1897	rVV	13025040	19415643	4.12%	0.618%
33	13.320	1897	1900	1904	rVB	9320696	12934293	2.74%	0.412%
34	13.363	1904	1907	1911	rBV2	3433210	5743083	1.22%	0.183%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
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Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

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\82Y061920S.M
Title : SW846 8260

35	13.461	1916	1923	1937	rVV2	44315022	113087979	23.98%	3.601%
36	13.595	1940	1945	1946	rVV	14892130	19703998	4.18%	0.627%
37	13.625	1946	1950	1954	rVV2	51533822	103281600	21.90%	3.289%
38	13.668	1954	1957	1967	rVV4	39198173	86162261	18.27%	2.744%
39	13.753	1967	1971	1975	rVV2	5408418	9220464	1.95%	0.294%
40	13.820	1977	1982	1988	rVV	13294524	23400551	4.96%	0.745%
41	13.887	1988	1993	1995	rVV	18785497	29628244	6.28%	0.943%
42	13.918	1995	1998	2002	rVV	17340557	25420122	5.39%	0.809%
43	13.973	2002	2007	2013	rVV	27929243	44524491	9.44%	1.418%
44	14.082	2020	2025	2030	rVV2	10411224	16752424	3.55%	0.533%
45	14.210	2041	2046	2051	rBV	5652169	8328188	1.77%	0.265%
46	14.296	2051	2060	2063	rVV	14273676	23666354	5.02%	0.754%
47	14.332	2063	2066	2071	rVV	17671565	26753393	5.67%	0.852%
48	14.381	2071	2074	2078	rVV3	5142567	7908984	1.68%	0.252%
49	14.564	2100	2104	2109	rVV	7755218	12176159	2.58%	0.388%
50	14.680	2115	2123	2129	rBV3	10620805	26374070	5.59%	0.840%
51	14.942	2161	2166	2177	rVB3	2360681	5965386	1.26%	0.190%
52	15.235	2204	2214	2220	rVB	8459389	14543313	3.08%	0.463%

Sum of corrected areas: 3140443940

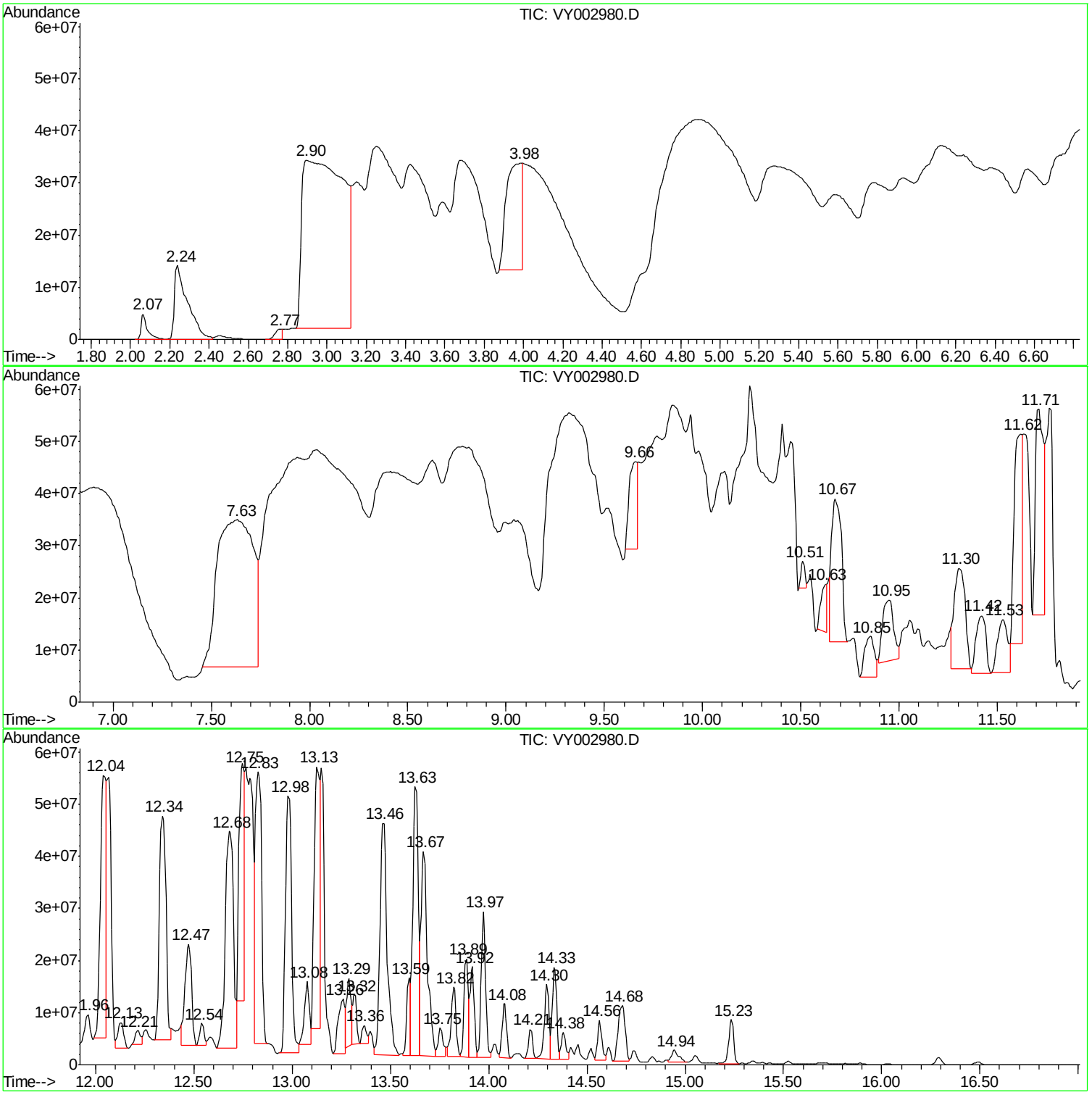
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

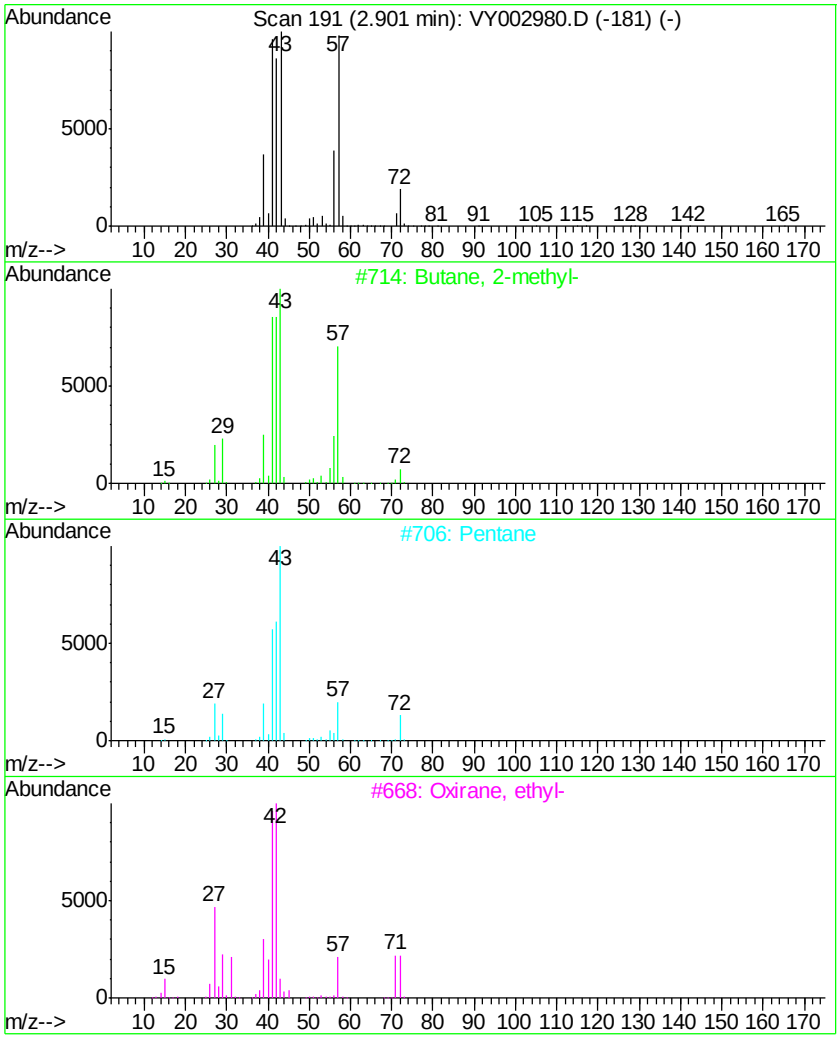
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

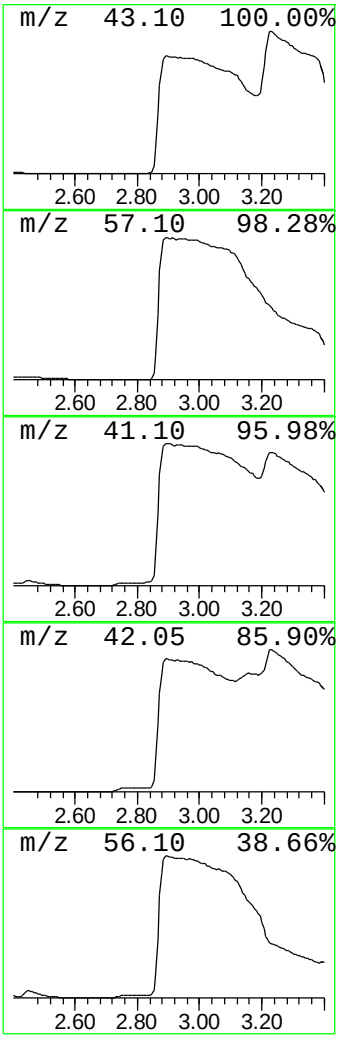
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	66.45 ug/l	471668000	Pentafluorobenzene	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	83
2	Pentane	72	C5H12	000109-66-0	50
3	Oxirane, ethyl-	72	C4H8O	000106-88-7	43
4	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	40
5	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

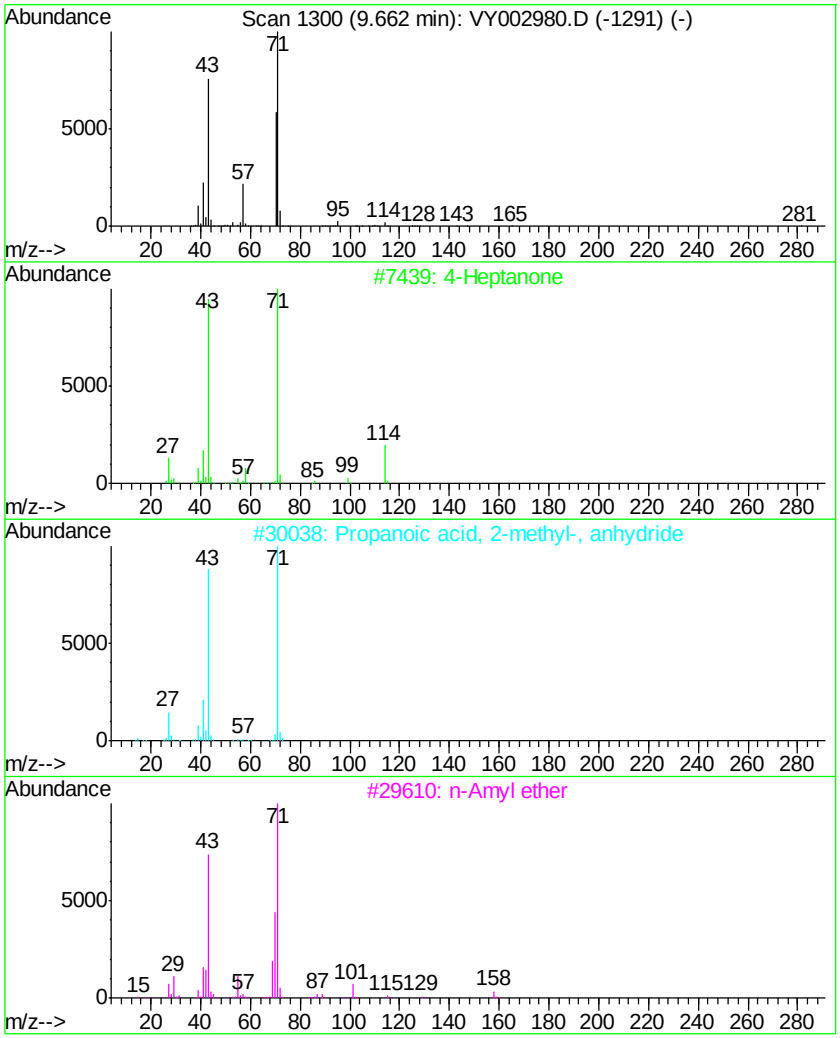
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

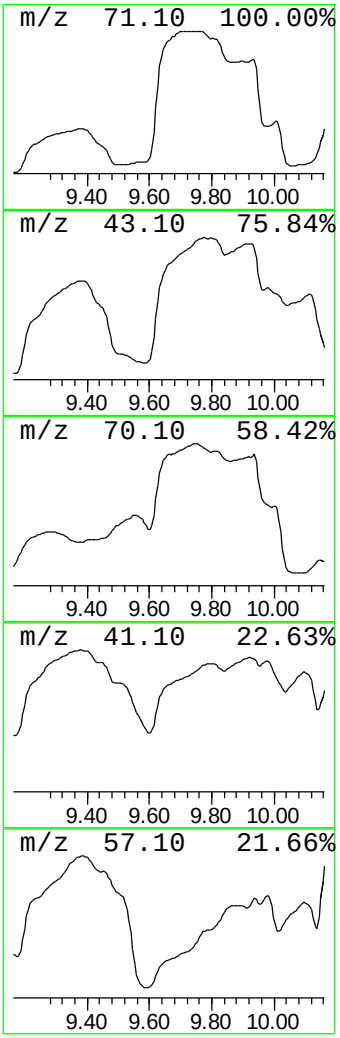
****

Peak Number 2 4-Heptanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	50.00 ug/l	49234900	1,4-Difluorobenzene	8.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	58
2	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	50
3	n-Amyl ether	158	C10H22O	000693-65-2	43
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	43
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

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

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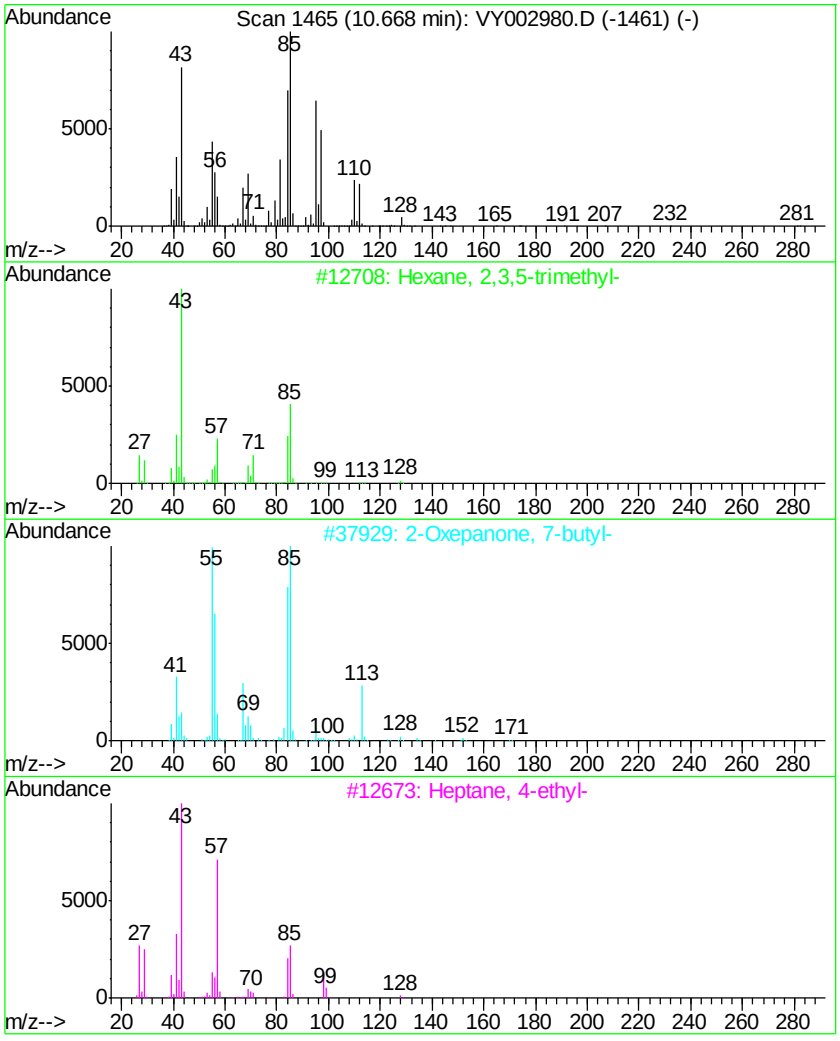
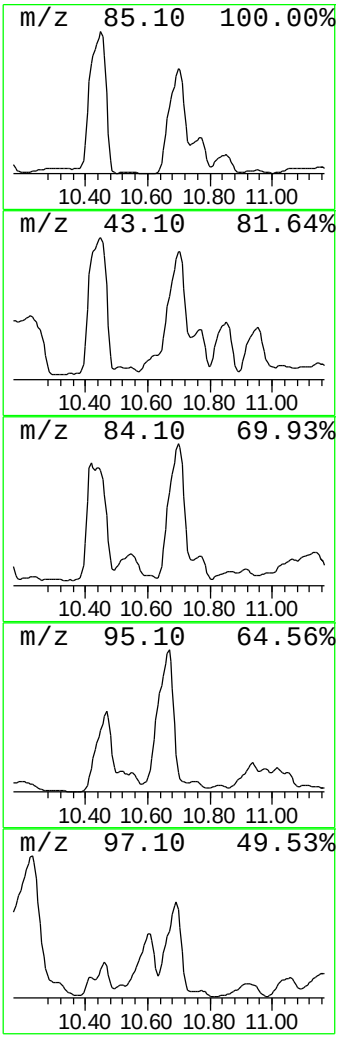
Peak Number 3 unknown10.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	136.88 ug/l	97817100	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	46
2	2-Oxepanone, 7-butyl-	170	C10H18O2	005579-78-2	43
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	43
4	Oxalic acid, hexyl isohexyl ester	258	C14H26O4	1000309-33-0	35
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

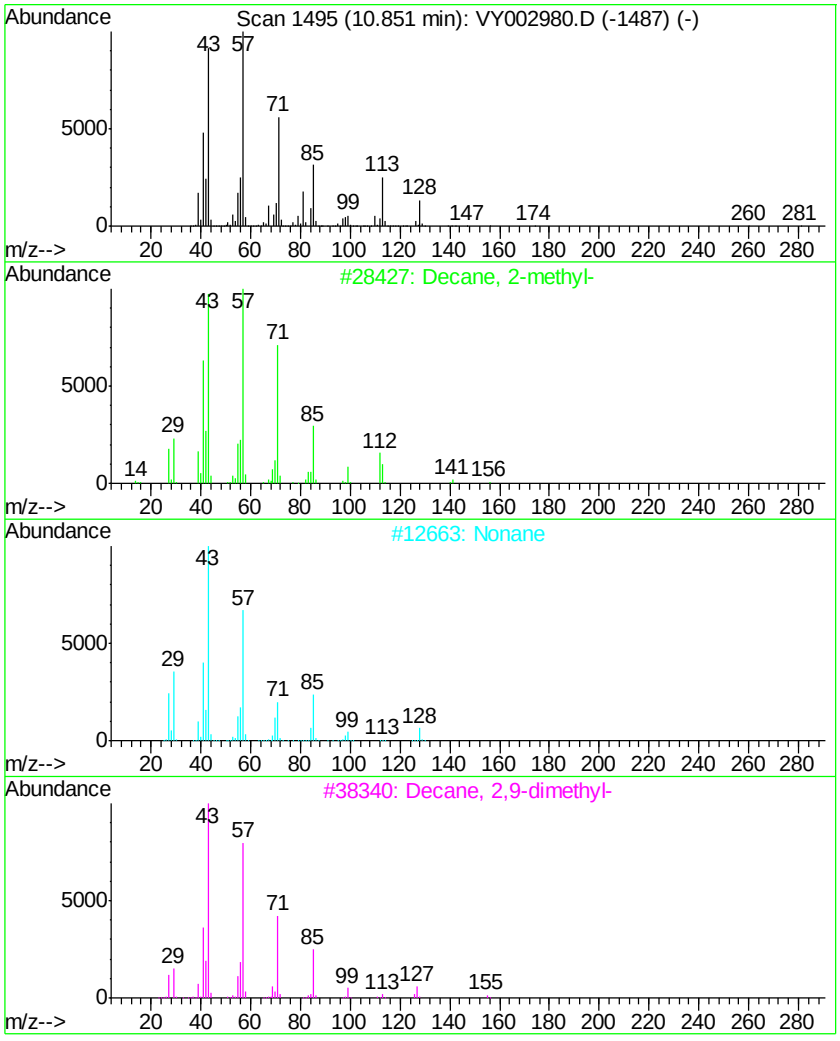
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

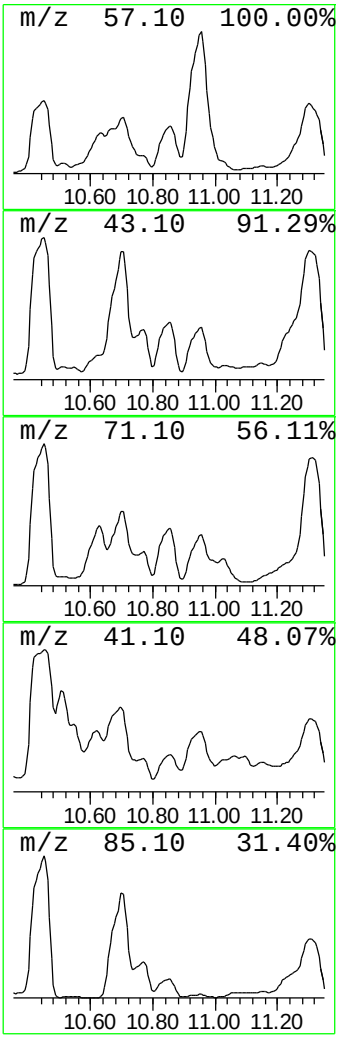
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	38.39 ug/l	27433100	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	72
2	Nonane	128	C9H20	000111-84-2	62
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
4	Hexadecane	226	C16H34	000544-76-3	50
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

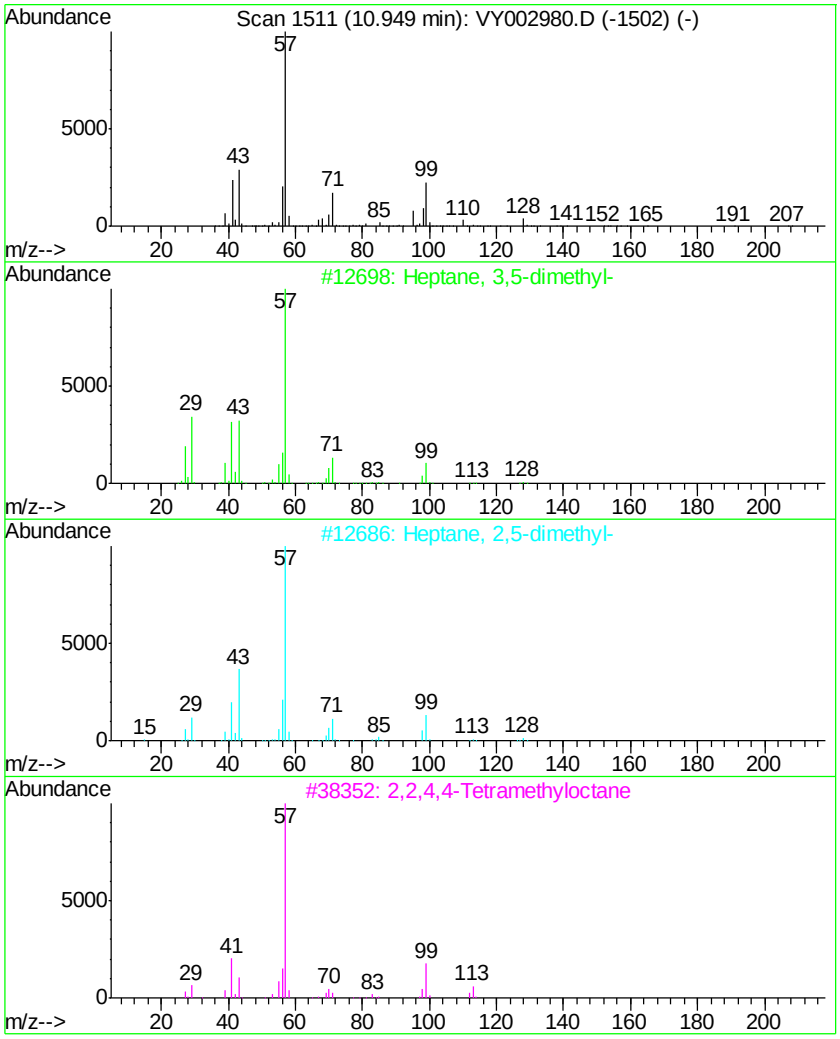
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

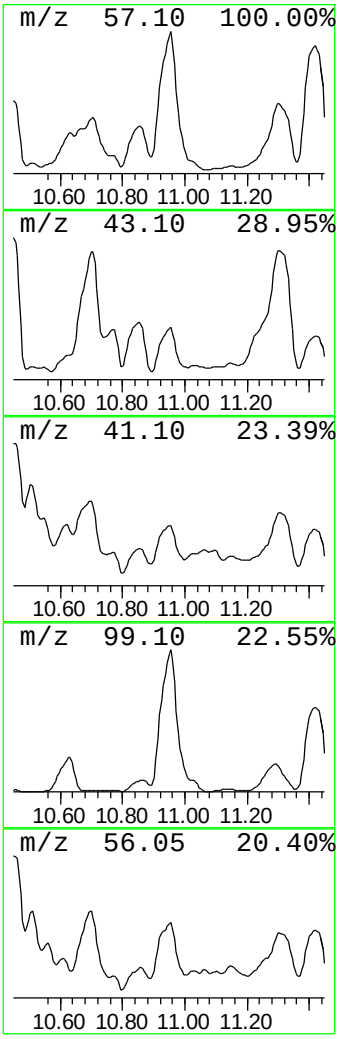
****

Peak Number 5 Heptane, 3,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	64.34 ug/l	45982500	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
3	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	59
4	Octane, 3-methyl-	128	C9H20	002216-33-3	47
5	Pentane, 3,3-diethyl-	128	C9H20	001067-20-5	43





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Operator : SY/MD
Sample : L3071-05
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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

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

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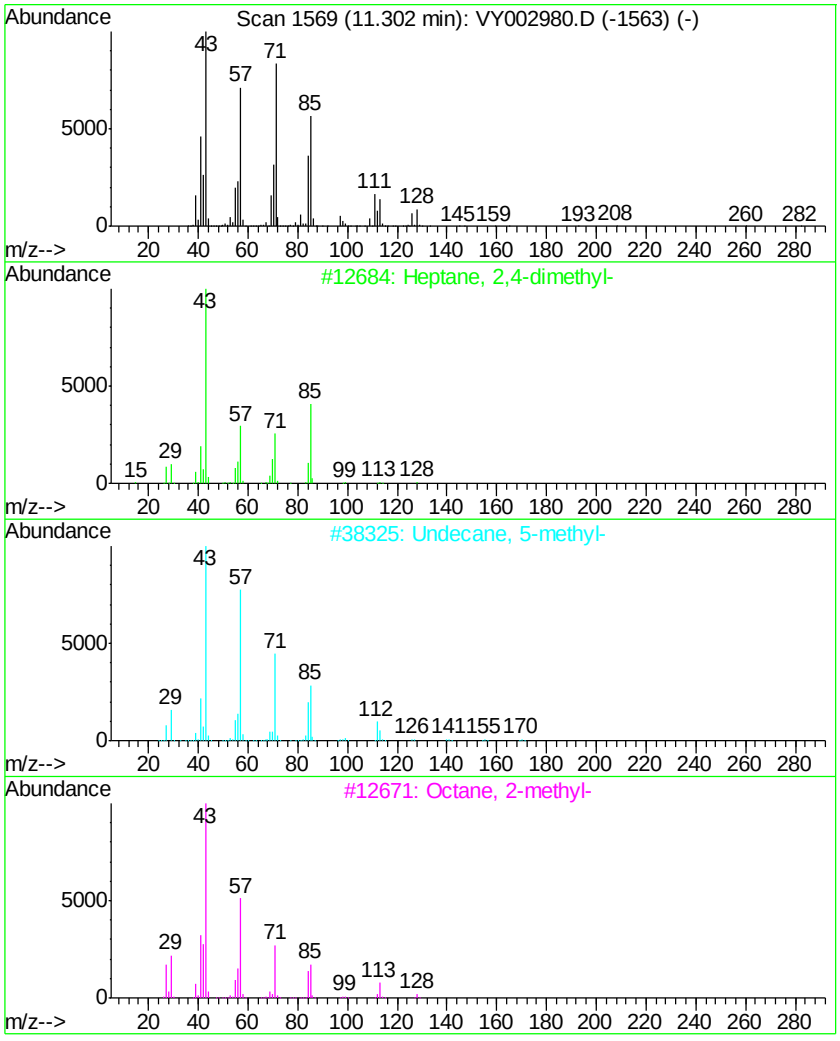
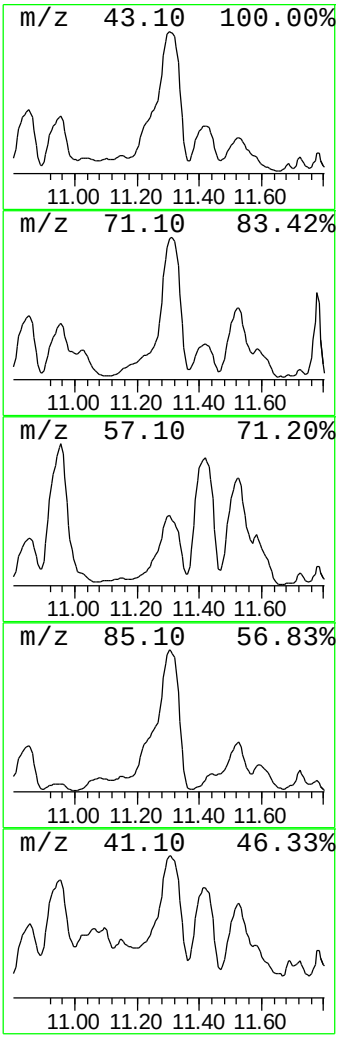
Peak Number 6 Heptane, 2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	101.77 ug/l	72727600	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	59
3	Octane, 2-methyl-	128	C9H20	003221-61-2	53
4	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	50
5	Octane, 4-methyl-	128	C9H20	002216-34-4	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

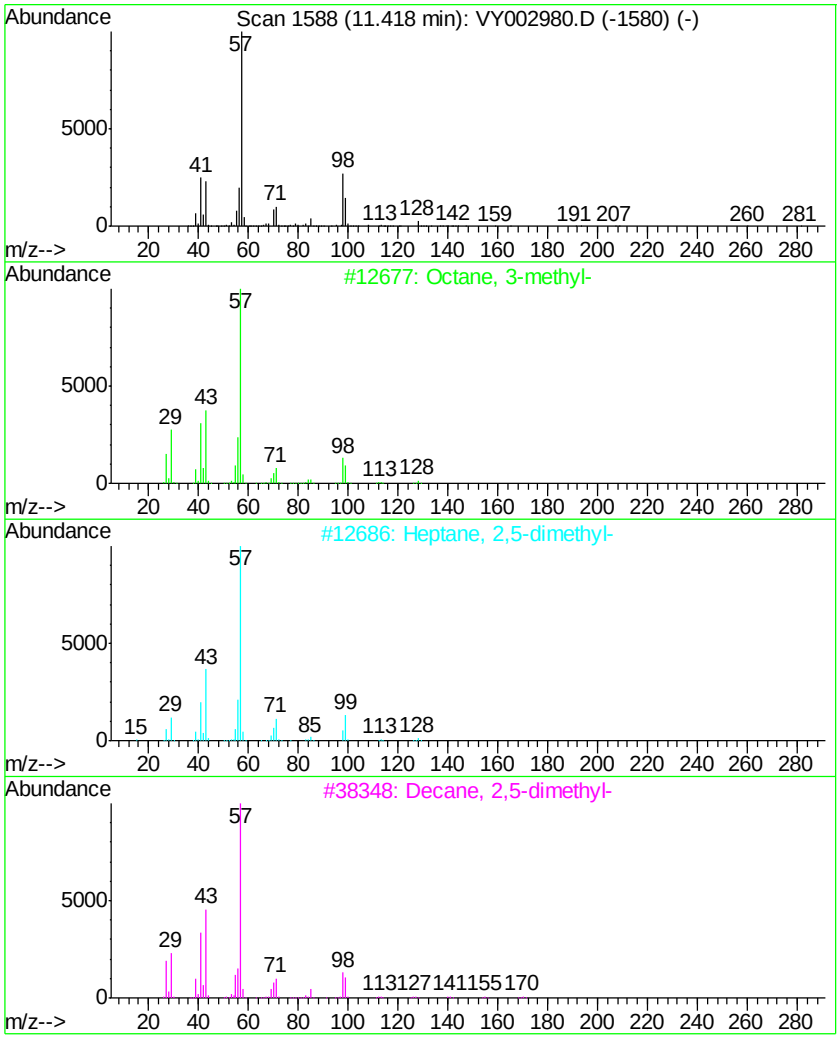
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

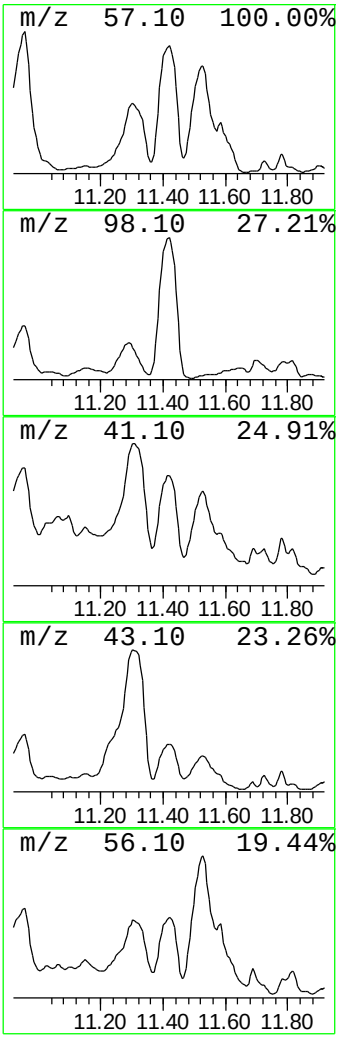
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	53.67 ug/l	38350900	Chlorobenzene-d5	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	56
5	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

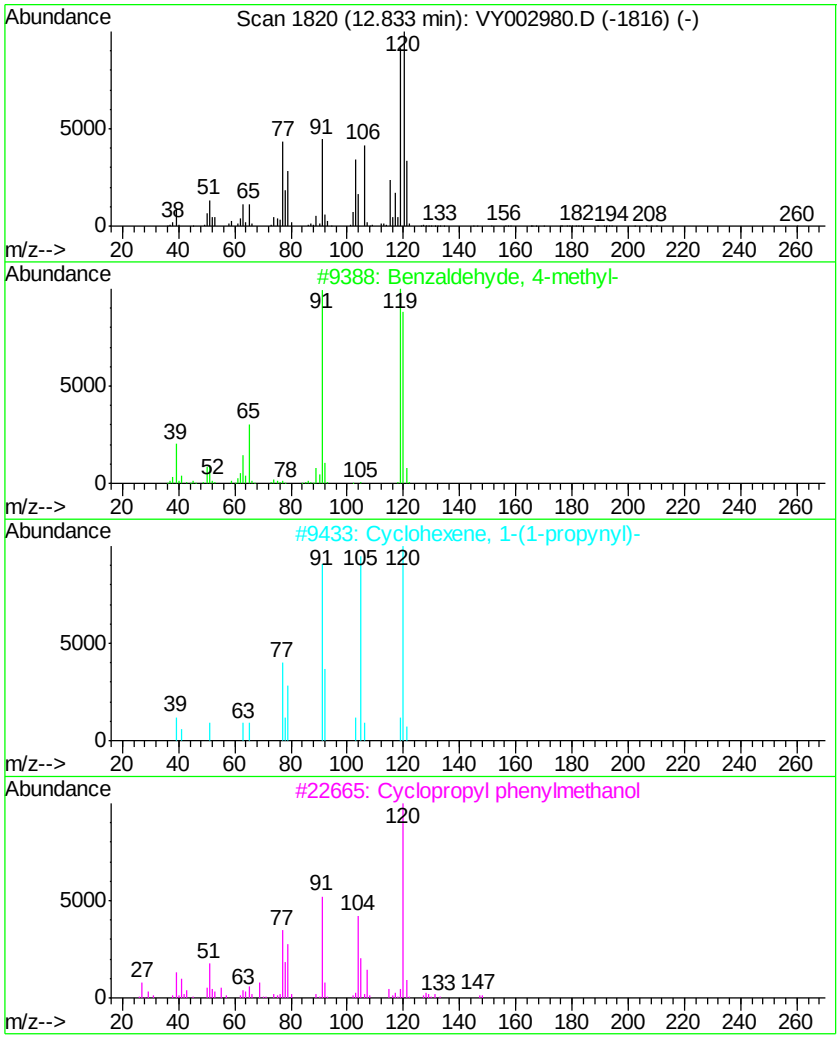
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

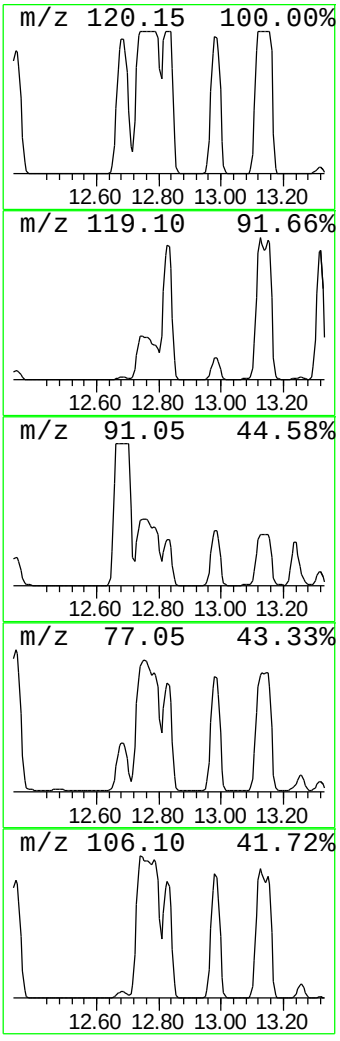
****

Peak Number 8 unknown12.83 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	47.00 ug/l	106302000	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	41
2	Cyclohexene, 1-(1-propynyl)-	120	C9H12	001655-05-6	38
3	Cyclopropyl phenylmethanol	148	C10H12O	001007-03-0	25
4	2-Isocyanatopyridine	120	C6H4N2O	004737-19-3	18
5	Ethanedione, (4-methylphenyl)phe...	224	C15H12O2	002431-00-7	14





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

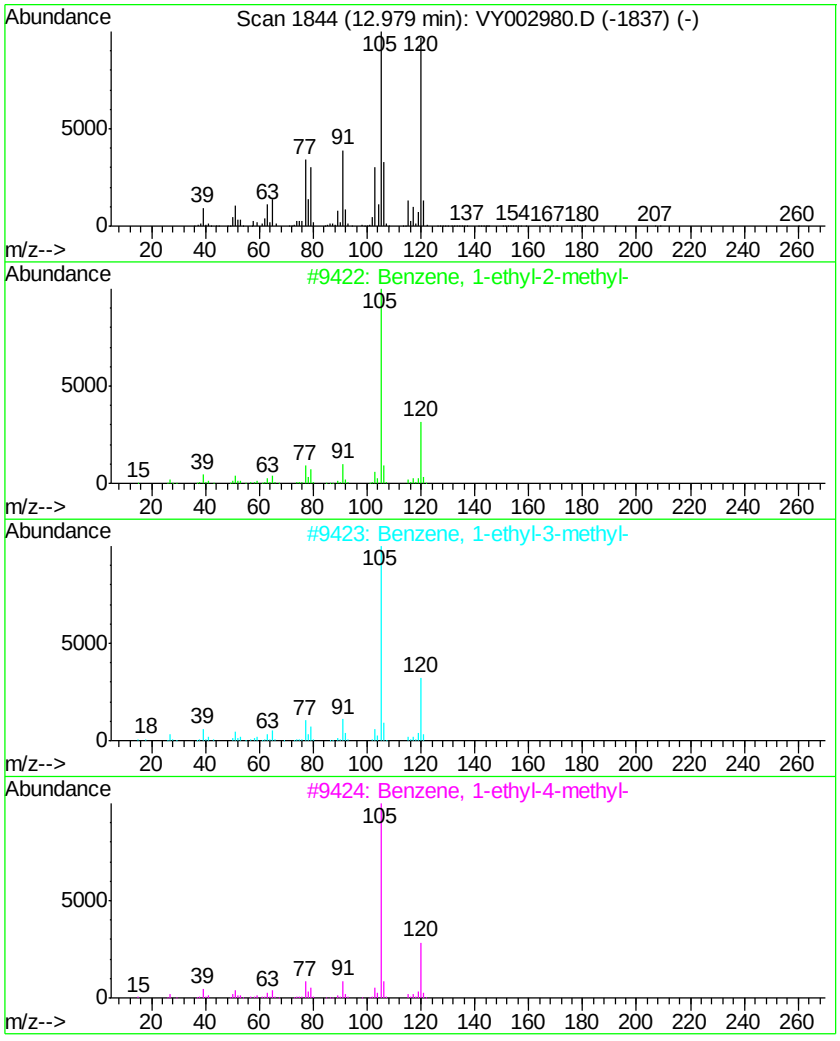
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

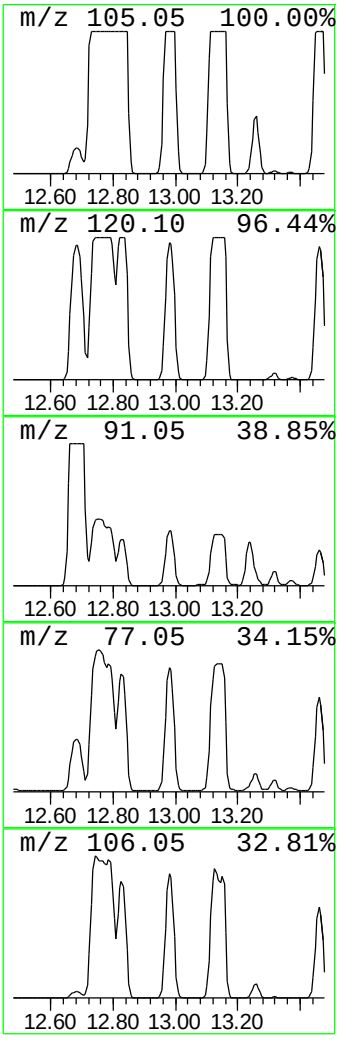
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	47.87 ug/l	108267000	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	74
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	72
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
Quant Title : SW846 8260

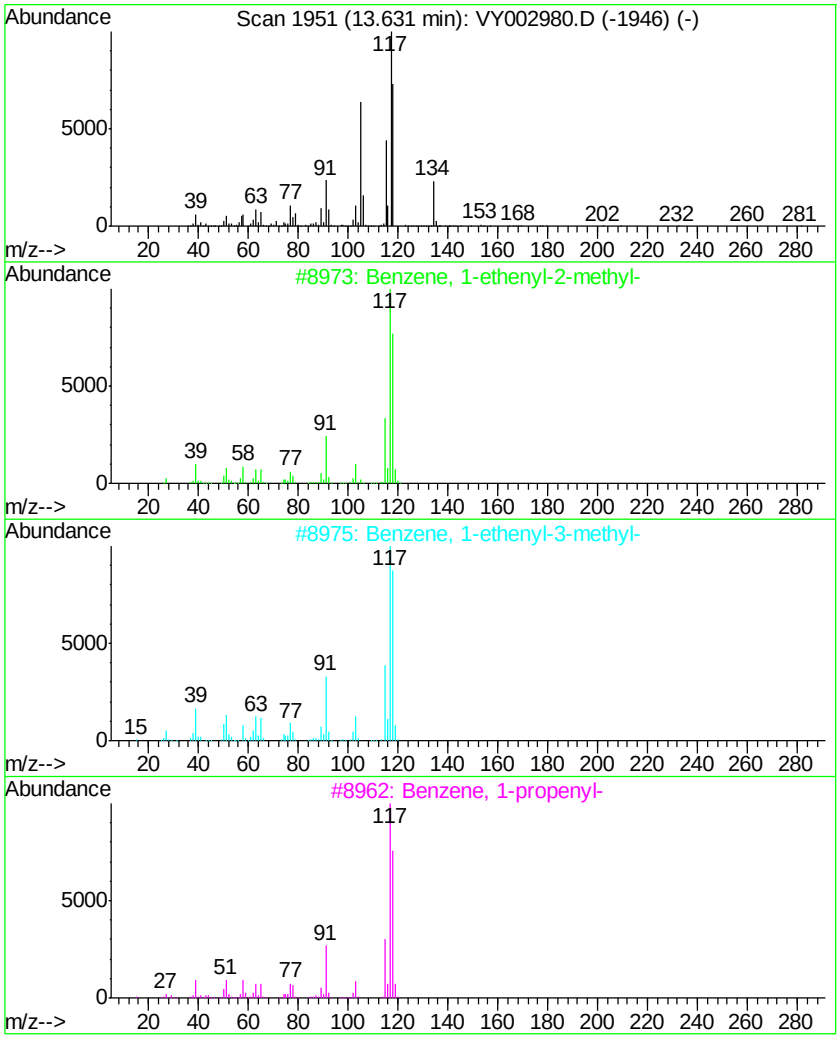
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

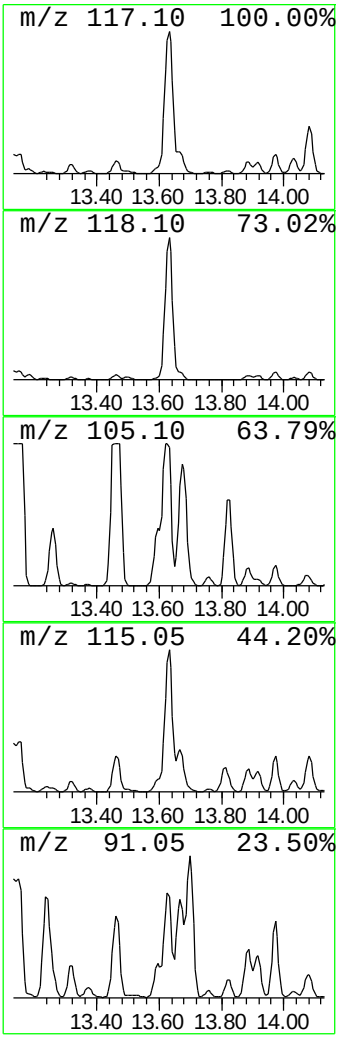
****

Peak Number 10 Benzene, 1-ethenyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	45.66 ug/l	103282000	1,4-Dichlorobenzene-d4	13.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	60
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY062220\
Data File : VY002980.D
Acq On : 22 Jun 2020 17:45
Operator : SY/MD
Sample : L3071-05
Misc : 12.44G/5ML/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SB-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.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
Butane, 2-methyl-	2.90	66.5	ug/l	471668000	1	7.85	354918000	50.0
4-Heptanone	9.66	50.0	ug/l	49234900	2	8.75	49234900	50.0
unknown10.67	10.67	136.9	ug/l	97817100	3	11.53	35731600	50.0
Decane, 2-methyl-	10.85	38.4	ug/l	27433100	3	11.53	35731600	50.0
Heptane, 3,5-dime...	10.95	64.3	ug/l	45982500	3	11.53	35731600	50.0
Heptane, 2,4-dime...	11.30	101.8	ug/l	72727600	3	11.53	35731600	50.0
Octane, 3-methyl-	11.42	53.7	ug/l	38350900	3	11.53	35731600	50.0
unknown12.83	12.83	47.0	ug/l	106302000	4	13.43	113088000	50.0
Benzene, 1-ethyl-...	12.98	47.9	ug/l	108267000	4	13.43	113088000	50.0
Benzene, 1-etheny...	13.63	45.7	ug/l	103282000	4	13.43	113088000	50.0