LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

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\82Y033023S.M
Title : SW846 8260

Signal : TIC: VY013171.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.716	465	475	489	rVB2	8913	25559	2.87%	0.403%
2	7.716	956	967	973	rBV	72555	172942	19.45%	2.729%
3	7.789	973	979	992	rVB	117416	262109	29.47%	4.137%
4	8.143	1026	1037	1048	rBV	69345	154770	17.40%	2.443%
5	8.691	1118	1127	1139	rBV	172318	342157	38.47%	5.400%
6	9.746	1293	1300	1310	rVB3	4849	10779	1.21%	0.170%
7	10.112	1351	1360	1365	rBV	47607	85409	9.60%	1.348%
8	10.179	1365	1371	1379	rVB	284790	487834	54.86%	7.699%
9	10.636	1440	1446	1454	rVV2	15609	26508	2.98%	0.418%
10	10.715	1454	1459	1464	rVB	6833	11562	1.30%	0.182%
11	10.801	1467	1473	1480	rBV2	10004	17673	1.99%	0.279%
12	10.904	1480	1490	1498	rBV	16609	34886	3.92%	0.551%
13	11.246	1542	1546	1549	rBV3	7078	12895	1.45%	0.204%
14	11.374	1561	1567	1570	rBV2	8146	14078	1.58%	0.222%
15	11.410	1570	1573	1578	rVV2	7332	11660	1.31%	0.184%
16	11.490	1578	1586	1591	rVV2	312955	575803	64.75%	9.087%
17	11.563	1591	1598	1604	rVB	56076	120802	13.58%	1.906%
18	11.746	1622	1628	1639	rVB	45410	78190	8.79%	1.234%
19	11.892	1639	1652	1655	rBV9	8650	27612	3.10%	0.436%
20	11.941	1655	1660	1663	rVV2	26351	42535	4.78%	0.671%
21	12.008	1667	1671	1676	rVV	18354	28308	3.18%	0.447%
22	12.117	1682	1689	1696	rVB2	43840	89736	10.09%	1.416%
23	12.197	1696	1702	1705	rBV2	17546	33203	3.73%	0.524%
24	12.355	1723	1728	1730	rBV2	15517	26289	2.96%	0.415%
25	12.465	1740	1746	1755	rVB2	396076	889315	100.00%	14.035%
26	12.569	1755	1763	1768	rBV2	28075	71416	8.03%	1.127%
27	12.623	1768	1772	1783	rVB	88008	189936	21.36%	2.998%
28	12.764	1792	1795	1798	rBV2	11326	13532	1.52%	0.214%
29	12.831	1799	1806	1813	rBV2	62363	132927	14.95%	2.098%
30	12.953	1822	1826	1829	rBV5	11974	20010	2.25%	0.316%
31	13.008	1831	1835	1837	rVV2	22606	40035	4.50%	0.632%
32	13.068	1837	1845	1856	rVB	150815	306775	34.50%	4.841%
33	13.178	1856	1863	1867	rBV	59547	98671	11.10%	1.557%
34	13.282	1872	1880	1885	rVV	223304	375370	42.21%	5.924%
35	13.355	1889	1892	1895	rVV	21081	31972	3.60%	0.505%
36	13.422	1895	1903	1908	rVV	287365	520843	58.57%	8.220%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

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\82Y033023S.M
Title : SW846 8260

37	13.477	1908	1912	1923	rVB	203058	437412	49.19%	6.903%
38	13.642	1928	1939	1947	rVV	82649	160002	17.99%	2.525%
39	13.715	1947	1951	1955	rVV5	9310	19487	2.19%	0.308%
40	13.782	1958	1962	1966	rVV3	18753	37798	4.25%	0.597%
41	13.831	1966	1970	1975	rVB3	18270	33667	3.79%	0.531%
42	13.959	1986	1991	1994	rVV3	18793	35120	3.95%	0.554%
43	13.995	1994	1997	2006	rVB2	20961	43377	4.88%	0.685%
44	14.141	2015	2021	2024	rBV4	8525	19648	2.21%	0.310%
45	14.385	2054	2061	2069	rBV2	45946	100933	11.35%	1.593%
46	14.458	2069	2073	2079	rVV5	5809	10071	1.13%	0.159%
47	14.519	2079	2083	2087	rVV2	6855	10444	1.17%	0.165%
48	14.568	2087	2091	2096	rVB7	6449	10967	1.23%	0.173%
49	15.221	2193	2198	2205	rVB5	7374	13510	1.52%	0.213%
50	15.312	2205	2213	2220	rBV	9569	19859	2.23%	0.313%

Sum of corrected areas: 6336396

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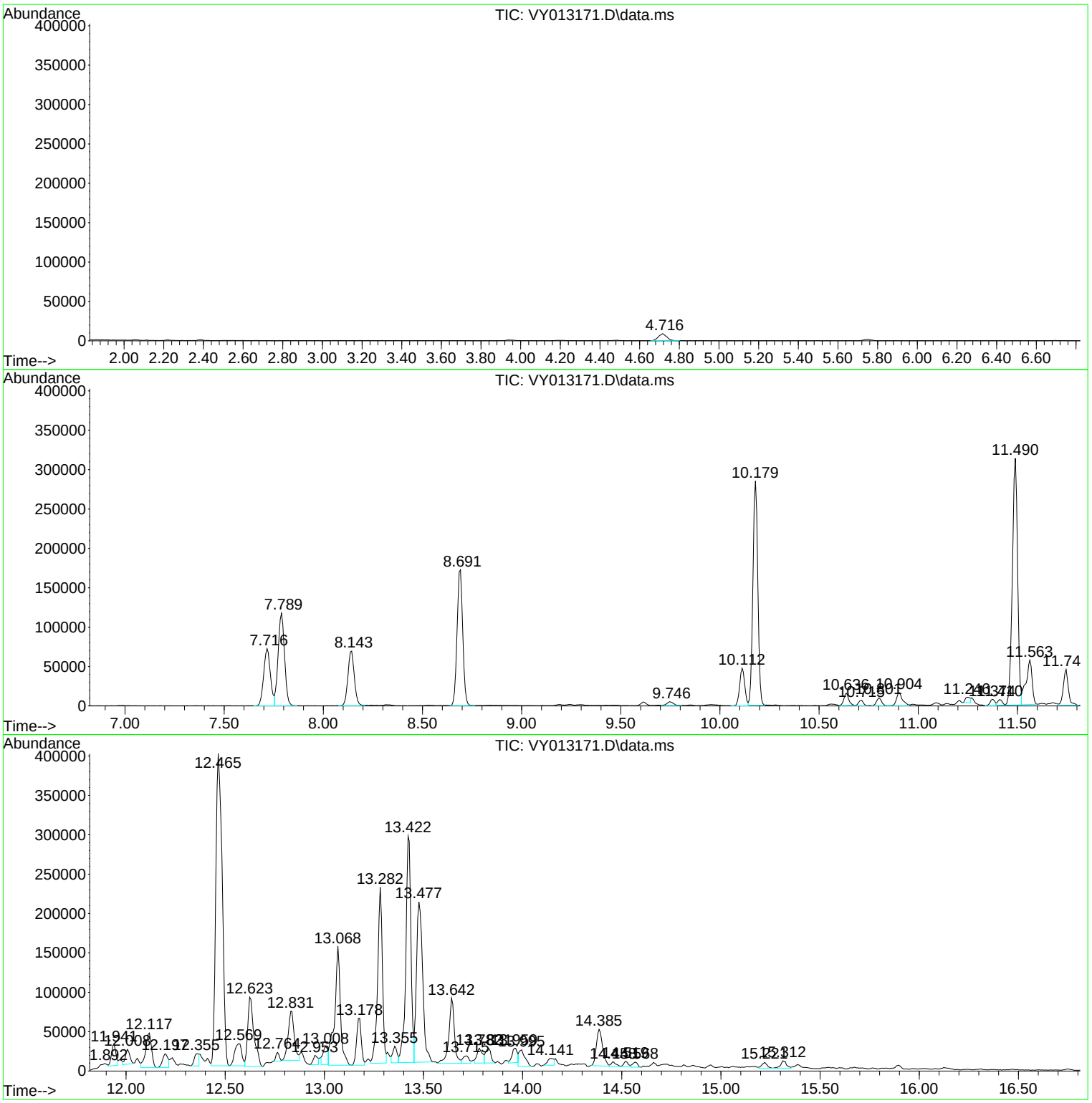
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

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



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Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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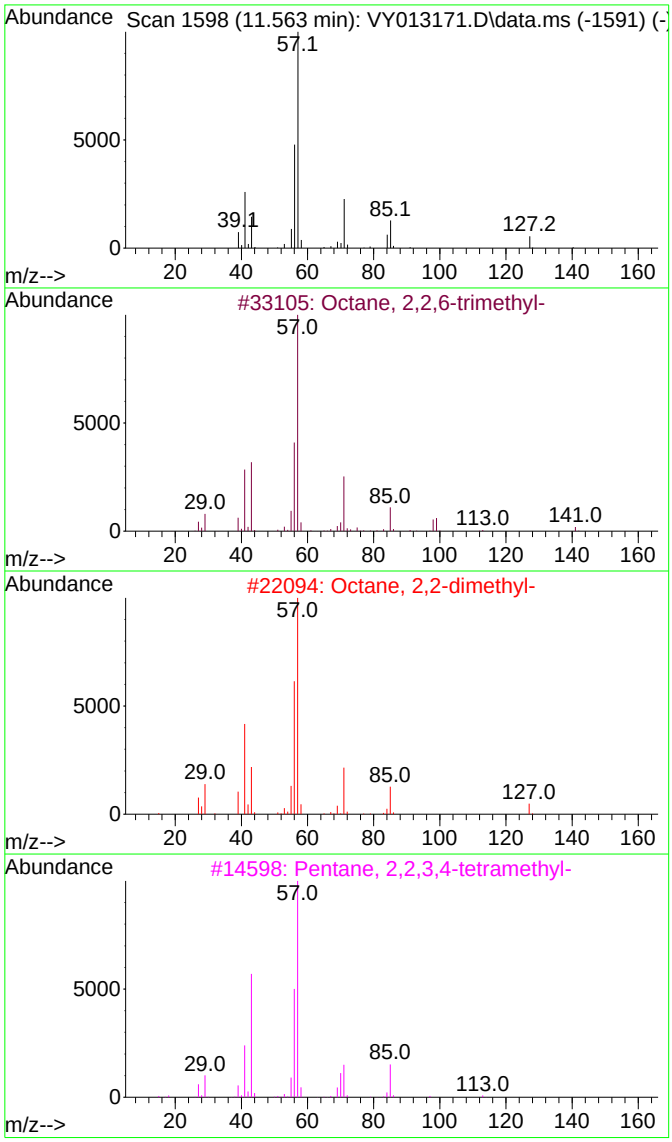
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

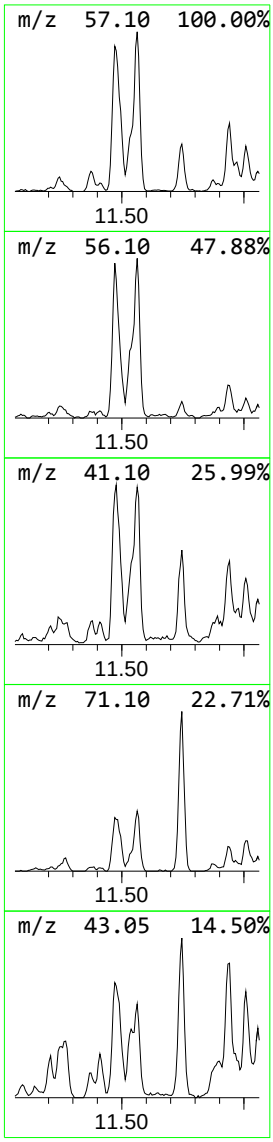
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Octane, 2,2,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.563	10.49 ug/l	120802	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	78
2	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	78
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	72
4	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	72
5	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
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Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

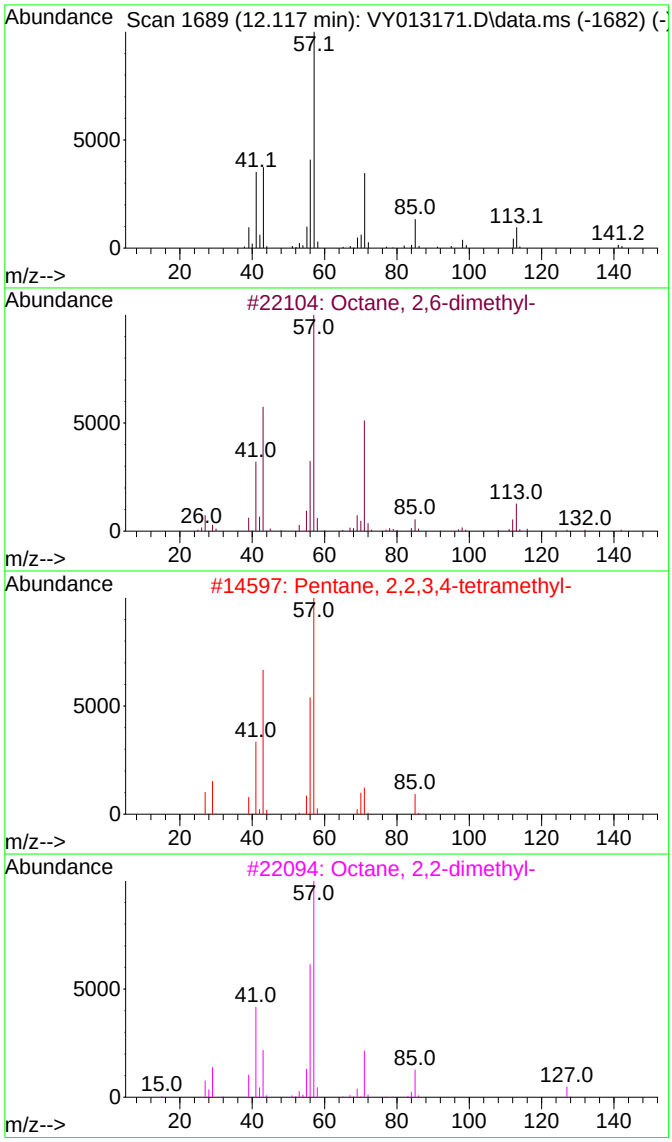
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

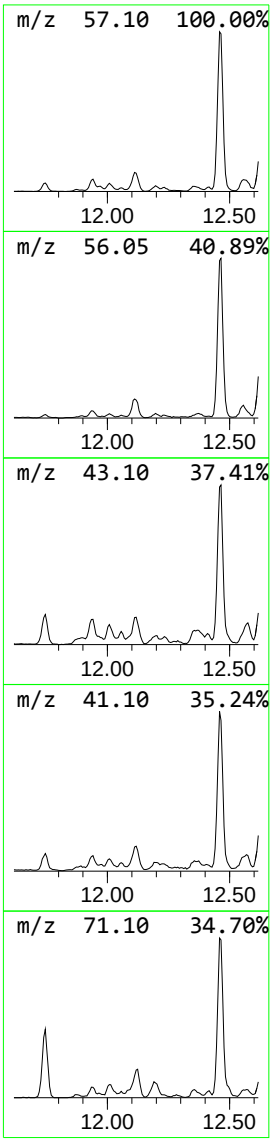
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.117	7.79 ug/l	89736	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
3	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	47
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	47





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Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

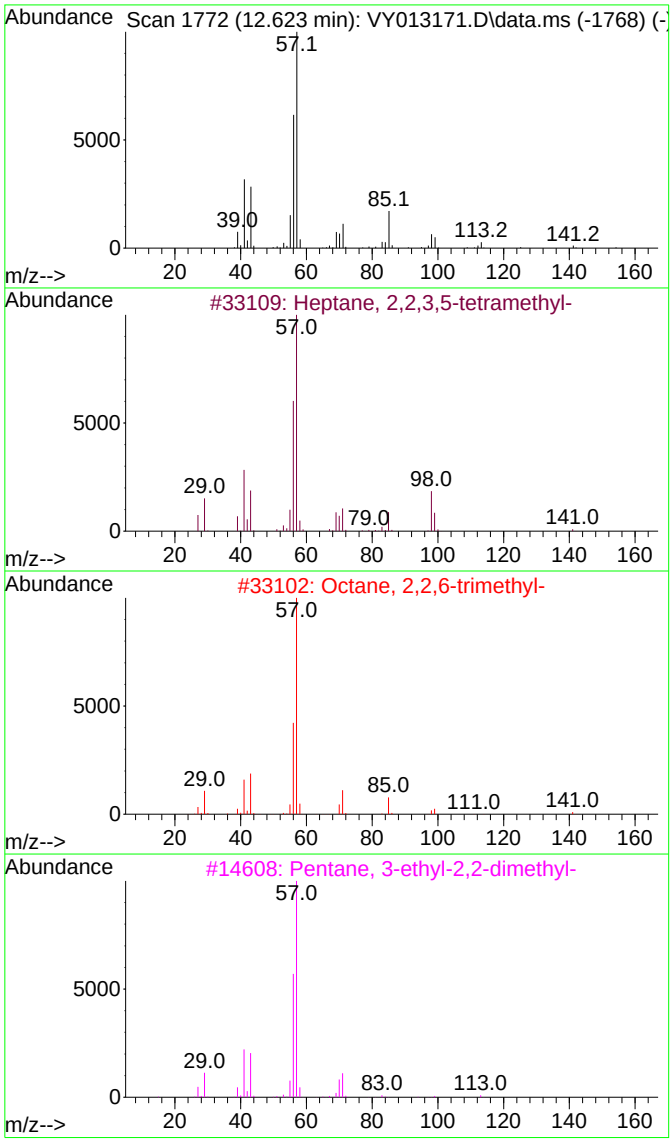
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

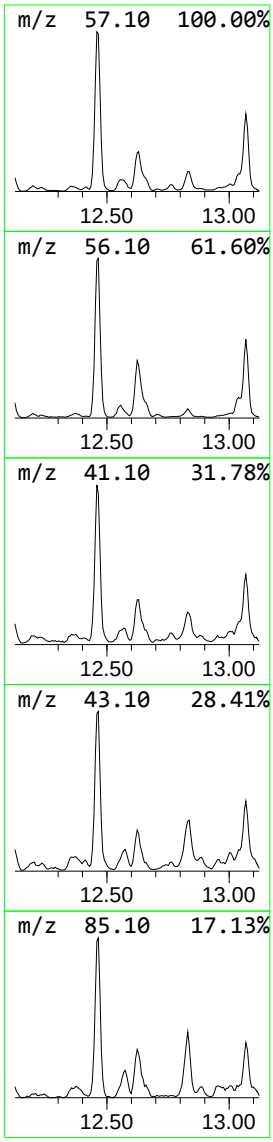
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 2,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.623	18.23 ug/l	189936	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	72
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
4	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	50
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

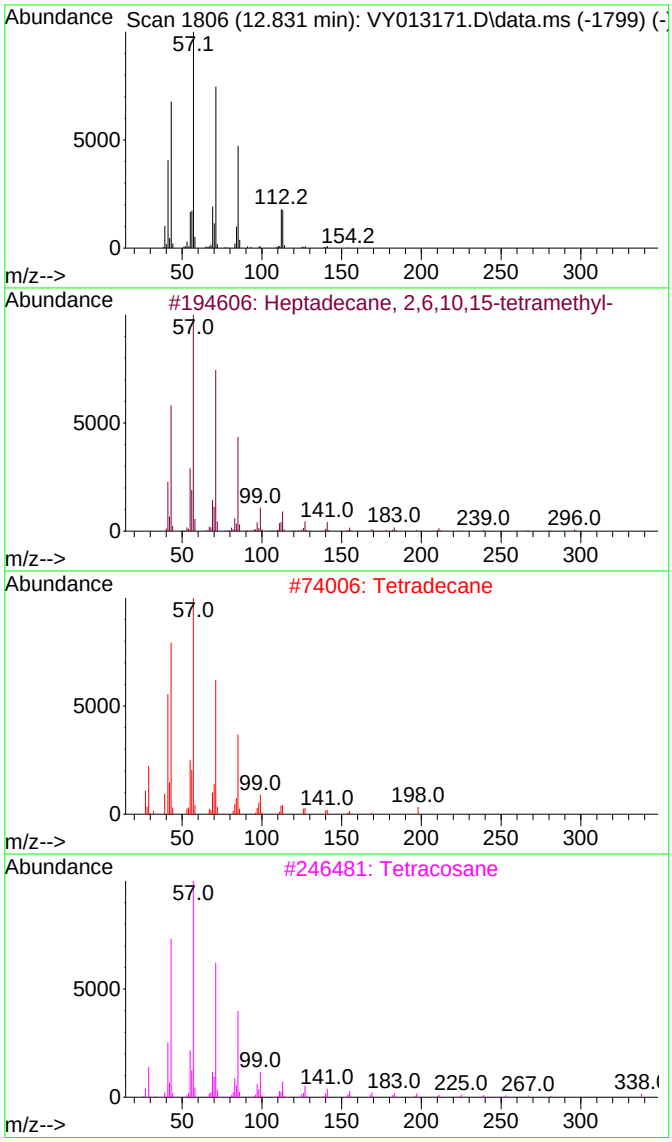
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

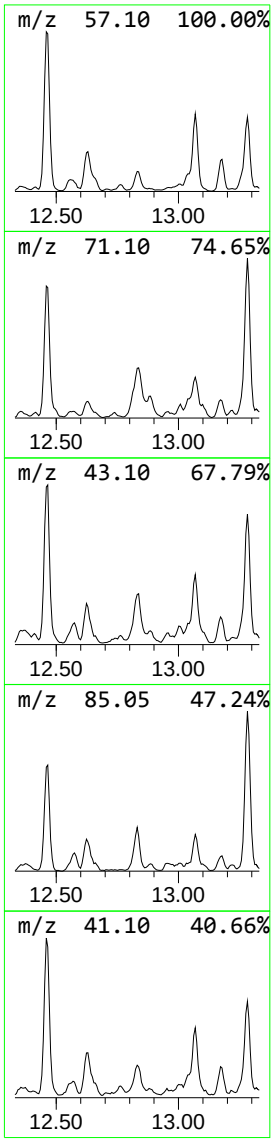
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.831	12.76 ug/l	132927	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
2	Tetradecane	198	C14H30	000629-59-4	78
3	Tetracosane	338	C24H50	000646-31-1	78
4	Heneicosane	296	C21H44	000629-94-7	78
5	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	72





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Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

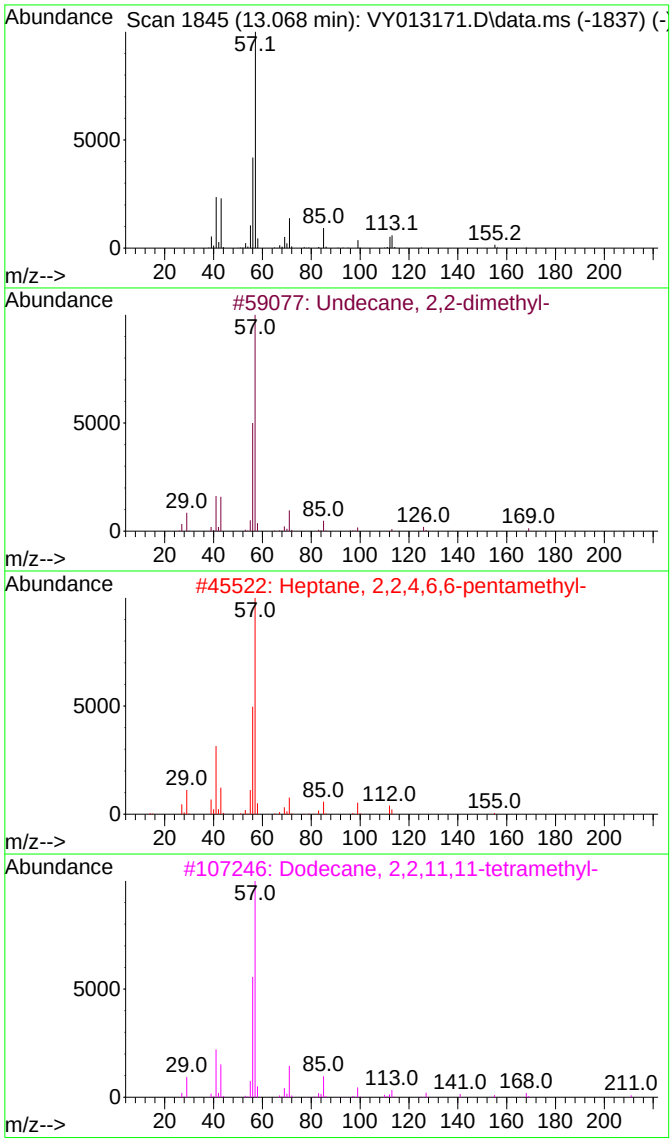
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

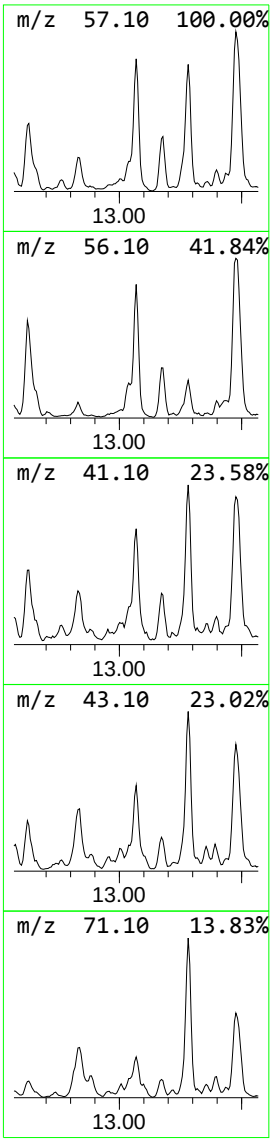
****

Peak Number 5 Undecane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	29.45 ug/l	306775	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72
2	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
3	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64
5	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	64





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Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

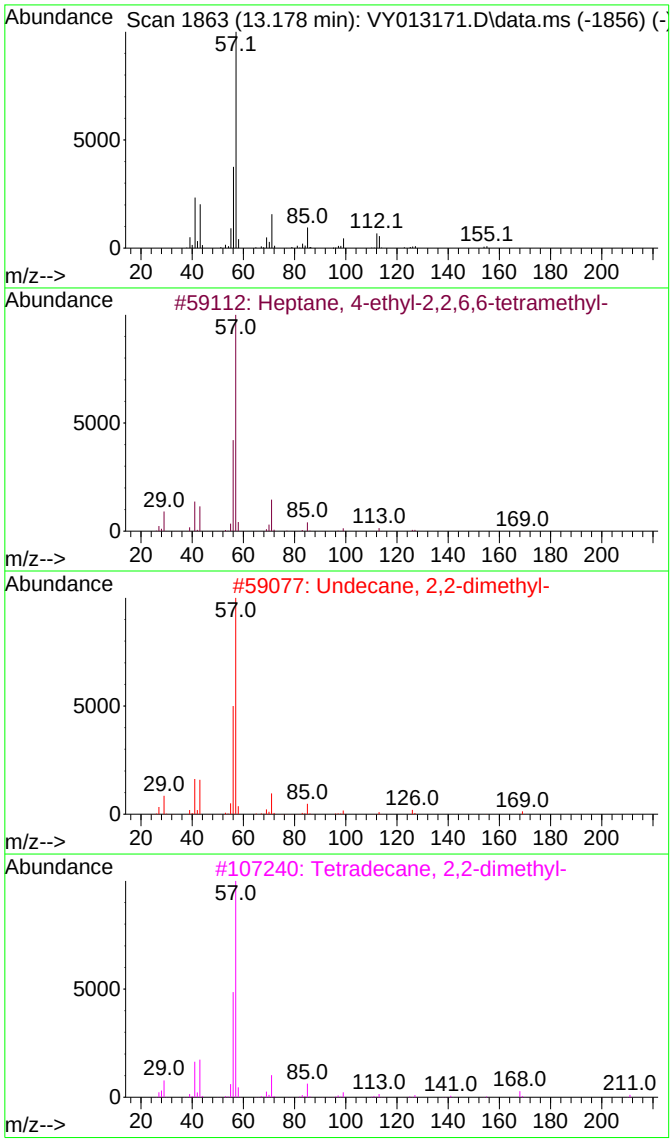
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

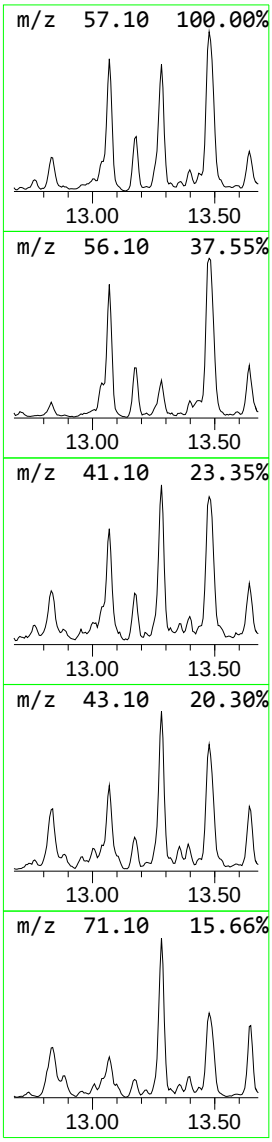
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Heptane, 4-ethyl-2,2,6,6-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.178	9.47 ug/l	98671	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-ethyl-2,2,6,6-tetrame...	184	C13H28	062108-31-0	64
2	Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	64
3	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	59
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	59
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53





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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

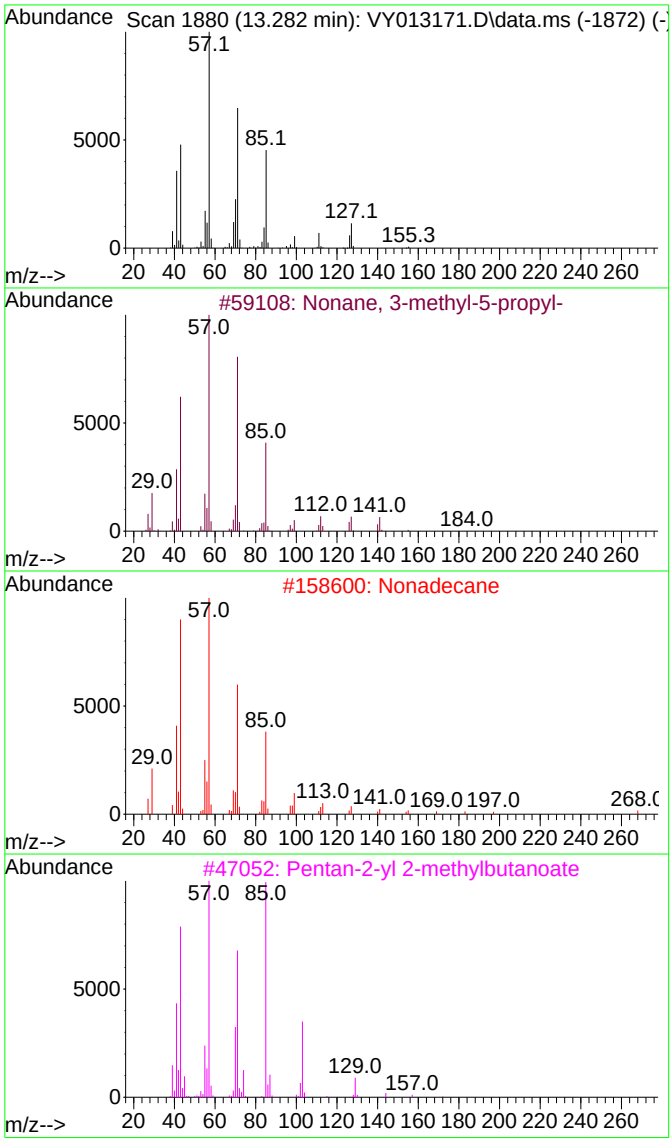
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

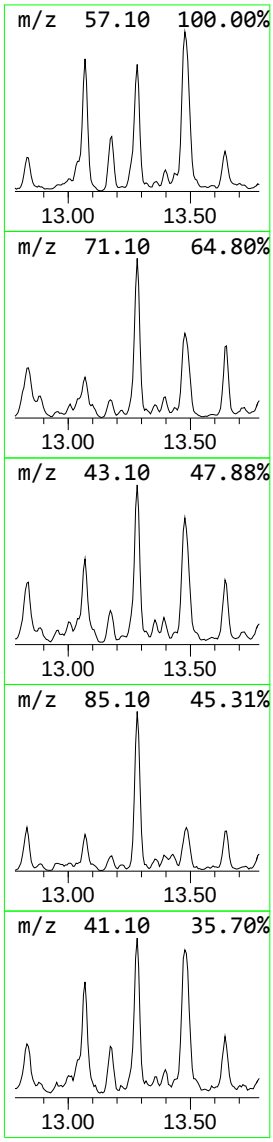
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Nonane, 3-methyl-5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.282	36.03 ug/l	375370	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
2	Nonadecane	268	C19H40	000629-92-5	64
3	Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	59
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	50





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Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

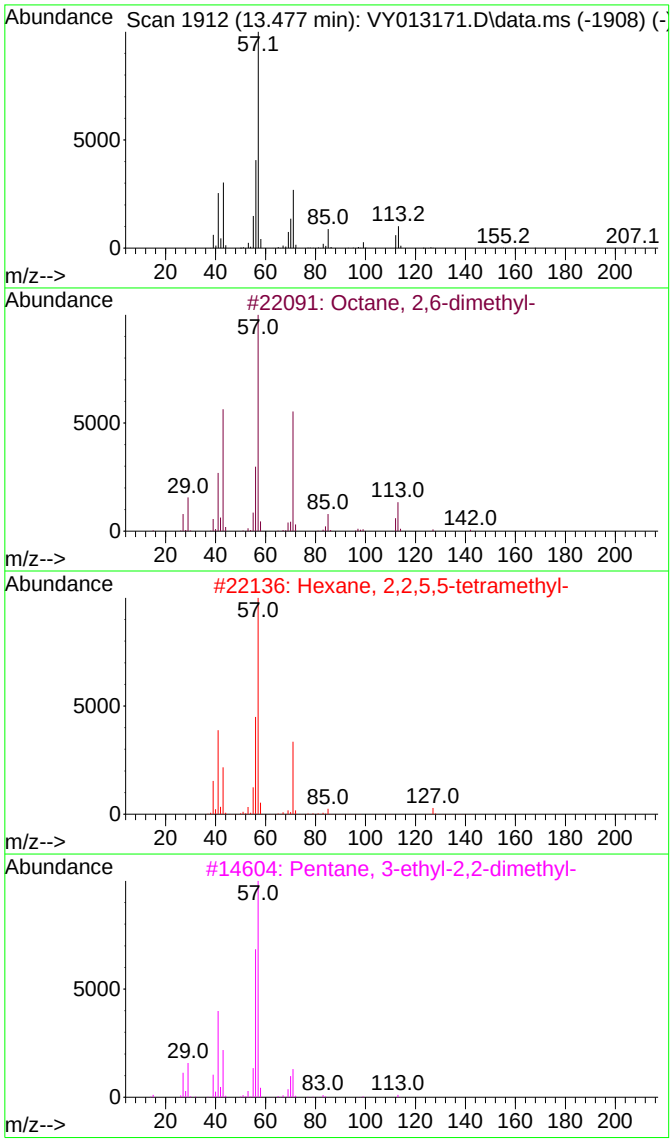
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

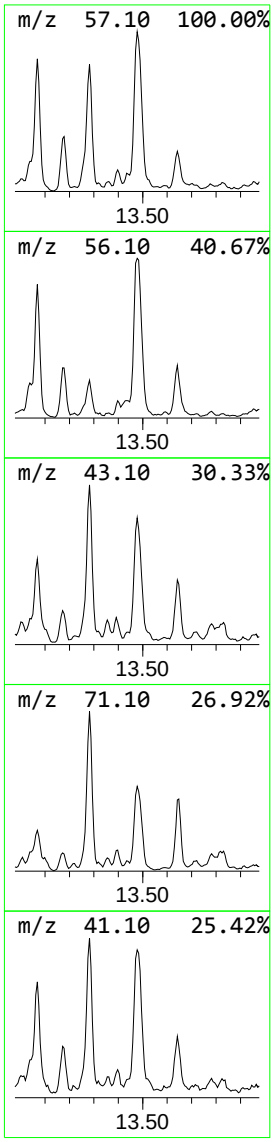
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexane, 2,2,5,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.477	41.99 ug/l	437412	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	50
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

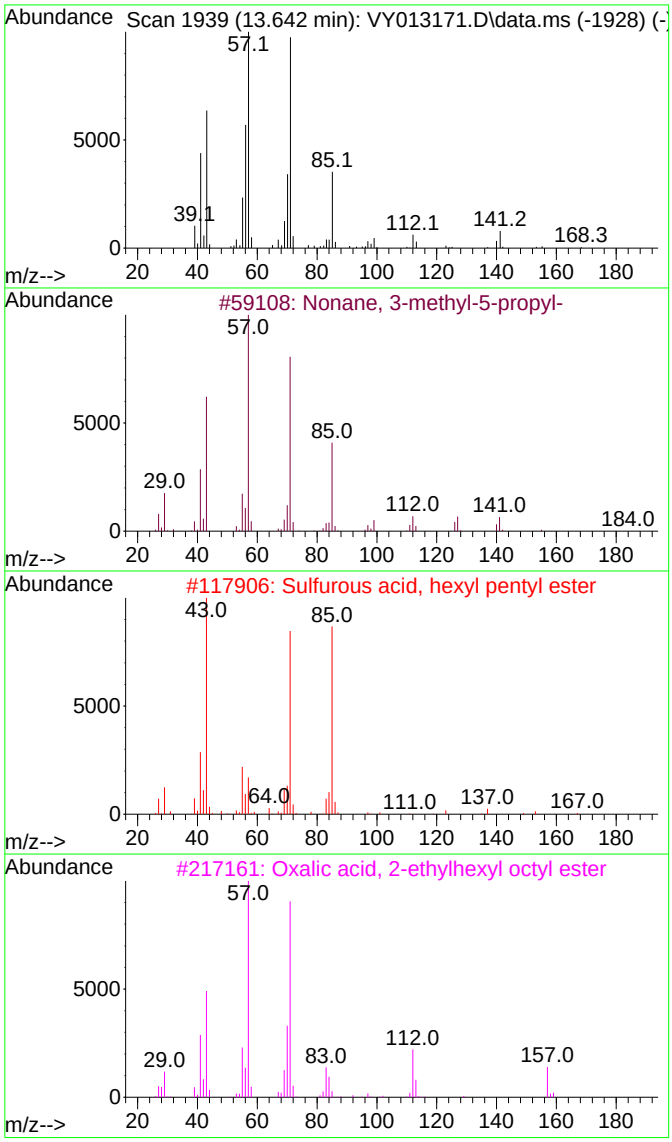
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

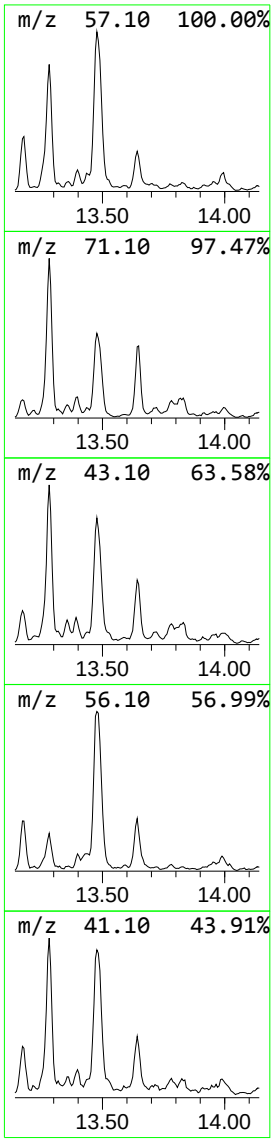
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Sulfurous acid, hexyl penty... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.642	15.36 ug/l	160002	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
2	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	52
3	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	50
4	Undecane, 4-methyl-	170	C12H26	002980-69-0	50
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

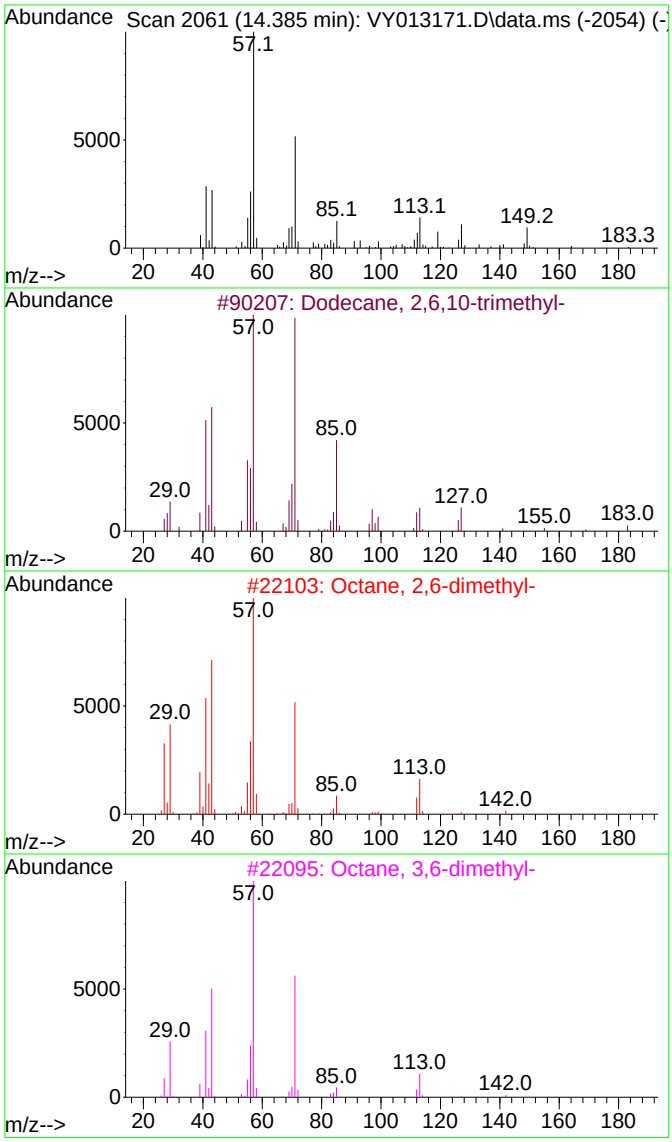
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
Quant Title : SW846 8260

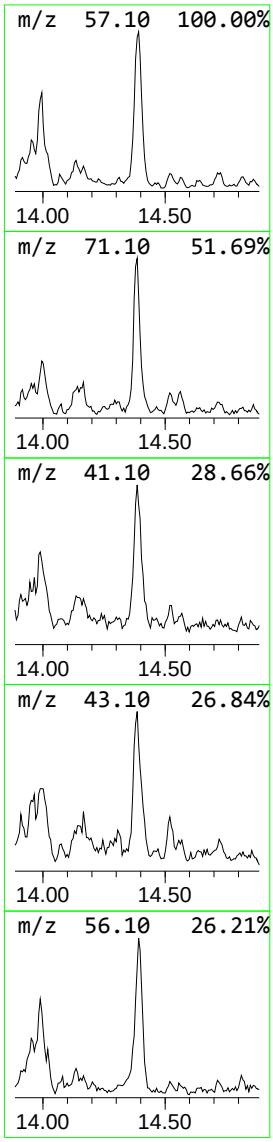
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.385	9.69 ug/l	100933	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	50
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040323\
Data File : VY013171.D
Acq On : 03 Apr 2023 13:24
Operator : KP/MD
Sample : 02163-02
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-2A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.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, 2,2,6-t...	11.563	10.5	ug/l	120802	3	11.490	575803	50.0
Octane, 2,6-dim...	12.117	7.8	ug/l	89736	3	11.490	575803	50.0
Heptane, 2,2,3,...	12.623	18.2	ug/l	189936	4	13.422	520843	50.0
Heptadecane, 2,...	12.831	12.8	ug/l	132927	4	13.422	520843	50.0
Undecane, 2,2-d...	13.069	29.4	ug/l	306775	4	13.422	520843	50.0
Heptane, 4-ethy...	13.178	9.5	ug/l	98671	4	13.422	520843	50.0
Nonane, 3-methy...	13.282	36.0	ug/l	375370	4	13.422	520843	50.0
Hexane, 2,2,5,5...	13.477	42.0	ug/l	437412	4	13.422	520843	50.0
Sulfurous acid,...	13.642	15.4	ug/l	160002	4	13.422	520843	50.0
Dodecane, 2,6,1...	14.385	9.7	ug/l	100933	4	13.422	520843	50.0