LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

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\82Y071323S.M
Title : SW846 8260

Signal : TIC: VY014654.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.692	456	471	477	rBV	325524	1231434	4.32%	0.423%
2	5.229	541	559	582	rBV	297624	1067118	3.75%	0.367%
3	6.515	753	770	784	rBV	377919	1289451	4.53%	0.443%
4	6.679	784	797	808	rVV	1458085	4696203	16.49%	1.613%
5	6.783	808	814	829	rVV	151948	476750	1.67%	0.164%
6	6.972	833	845	860	rVB	145336	486427	1.71%	0.167%
7	7.521	913	935	951	rBV	485647	1442257	5.06%	0.495%
8	7.765	953	975	983	rBV5	805488	2989059	10.50%	1.027%
9	7.868	983	992	1004	rVV	5751348	14606569	51.29%	5.018%
10	7.996	1004	1013	1018	rVV	1281092	3020816	10.61%	1.038%
11	8.051	1018	1022	1030	rVV	617287	1435917	5.04%	0.493%
12	8.137	1030	1036	1047	rVV	178016	401079	1.41%	0.138%
13	8.265	1047	1057	1065	rVV2	2766284	6826119	23.97%	2.345%
14	8.344	1065	1070	1076	rVV2	955026	2197219	7.72%	0.755%
15	8.411	1076	1081	1093	rVB	1185459	2647456	9.30%	0.909%
16	8.545	1093	1103	1114	rVB	262843	522113	1.83%	0.179%
17	8.685	1117	1126	1138	rBV	492338	1028286	3.61%	0.353%
18	9.002	1170	1178	1191	rVB	376206	825548	2.90%	0.284%
19	9.149	1191	1202	1205	rBV	5721538	12092123	42.46%	4.154%
20	9.185	1205	1208	1213	rVV	4742162	8430389	29.60%	2.896%
21	9.240	1213	1217	1225	rVB	3442196	6304915	22.14%	2.166%
22	9.356	1225	1236	1242	rBV5	402210	1328408	4.66%	0.456%
23	9.459	1242	1253	1263	rVB	13809690	28478370	100.00%	9.783%
24	9.606	1263	1277	1289	rVB	9793902	18970100	66.61%	6.517%
25	9.758	1289	1302	1305	rBV	1788386	3769048	13.23%	1.295%
26	9.801	1305	1309	1314	rVV3	2770449	5101042	17.91%	1.752%
27	9.850	1314	1317	1323	rVB	1093537	1832357	6.43%	0.629%
28	9.935	1323	1331	1337	rBV	4222491	9806696	34.44%	3.369%
29	9.984	1337	1339	1346	rVB	1555199	2567052	9.01%	0.882%
30	10.069	1346	1353	1364	rBV4	1887417	5676665	19.93%	1.950%
31	10.173	1364	1370	1375	rBV2	5224747	9667571	33.95%	3.321%
32	10.301	1383	1391	1393	rBV3	433510	770800	2.71%	0.265%
33	10.343	1393	1398	1409	rVB2	2810059	7030517	24.69%	2.415%
34	10.478	1409	1420	1423	rBV	3597717	7361309	25.85%	2.529%
35	10.520	1423	1427	1435	rVB	8094796	14201853	49.87%	4.879%
36	10.612	1435	1442	1447	rBV3	2257972	5277126	18.53%	1.813%

LSC Area Percent Report

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ClientSampleId :
SB-04-(9-11)

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Title : SW846 8260

37	10.667	1447	1451	1454	rVV	1316184	2159950	7.58%	0.742%
38	10.709	1454	1458	1462	rVB	1182470	1715909	6.03%	0.589%
39	10.758	1462	1466	1468	rBV	648620	939344	3.30%	0.323%
40	10.801	1468	1473	1479	rVB	5807351	9235099	32.43%	3.173%
41	10.898	1479	1489	1497	rBV2	2193312	5903722	20.73%	2.028%
42	10.971	1497	1501	1503	rVV2	1122307	1709187	6.00%	0.587%
43	11.002	1503	1506	1509	rVV	1441970	2381239	8.36%	0.818%
44	11.032	1509	1511	1514	rVV	1117395	1525616	5.36%	0.524%
45	11.087	1514	1520	1526	rVV	8578247	16064561	56.41%	5.519%
46	11.142	1526	1529	1533	rVV3	2085126	3247219	11.40%	1.116%
47	11.197	1533	1538	1543	rVV3	3003684	5842956	20.52%	2.007%
48	11.246	1543	1546	1549	rVV	710687	1160399	4.07%	0.399%
49	11.295	1549	1554	1562	rVB	4699217	8746335	30.71%	3.005%
50	11.374	1562	1567	1571	rBV2	979810	1771760	6.22%	0.609%
51	11.490	1581	1586	1589	rBV	756032	1229760	4.32%	0.422%
52	11.526	1589	1592	1596	rVB2	350561	522905	1.84%	0.180%
53	11.624	1603	1608	1612	rBV	1828850	2731980	9.59%	0.939%
54	11.672	1612	1616	1621	rVB3	1117816	1890167	6.64%	0.649%
55	11.733	1621	1626	1631	rBV2	1730808	3889424	13.66%	1.336%
56	11.837	1638	1643	1647	rBV4	498359	948360	3.33%	0.326%
57	11.892	1647	1652	1656	rVV	509995	924135	3.25%	0.317%
58	11.935	1656	1659	1663	rVB4	235075	345710	1.21%	0.119%
59	12.002	1663	1670	1677	rBV4	2044305	4517382	15.86%	1.552%
60	12.087	1681	1684	1686	rVV	286180	388911	1.37%	0.134%
61	12.118	1686	1689	1693	rVB	921371	1271340	4.46%	0.437%
62	12.160	1693	1696	1698	rBV2	355466	478454	1.68%	0.164%
63	12.197	1698	1702	1705	rVV2	919512	1534118	5.39%	0.527%
64	12.233	1705	1708	1714	rVB2	1303531	2256066	7.92%	0.775%
65	12.374	1727	1731	1735	rBV5	272402	513200	1.80%	0.176%
66	12.477	1743	1748	1753	rBV2	736061	1213401	4.26%	0.417%
67	12.556	1756	1761	1766	rVV6	269095	654565	2.30%	0.225%
68	12.642	1767	1775	1782	rVB	1303356	2404900	8.44%	0.826%
69	12.727	1782	1789	1793	rBV4	272176	597665	2.10%	0.205%
70	12.806	1794	1802	1807	rVV4	538083	1565499	5.50%	0.538%
71	12.861	1808	1811	1816	rVB2	222513	330811	1.16%	0.114%
72	12.941	1816	1824	1829	rBV4	271410	504624	1.77%	0.173%
73	13.038	1836	1840	1849	rVB3	322271	622167	2.18%	0.214%
74	13.422	1897	1903	1911	rVB	701376	1147206	4.03%	0.394%
75	13.745	1950	1956	1961	rBV2	203744	353740	1.24%	0.122%

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ClientSampleId :
SB-04-(9-11)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Title : SW846 8260

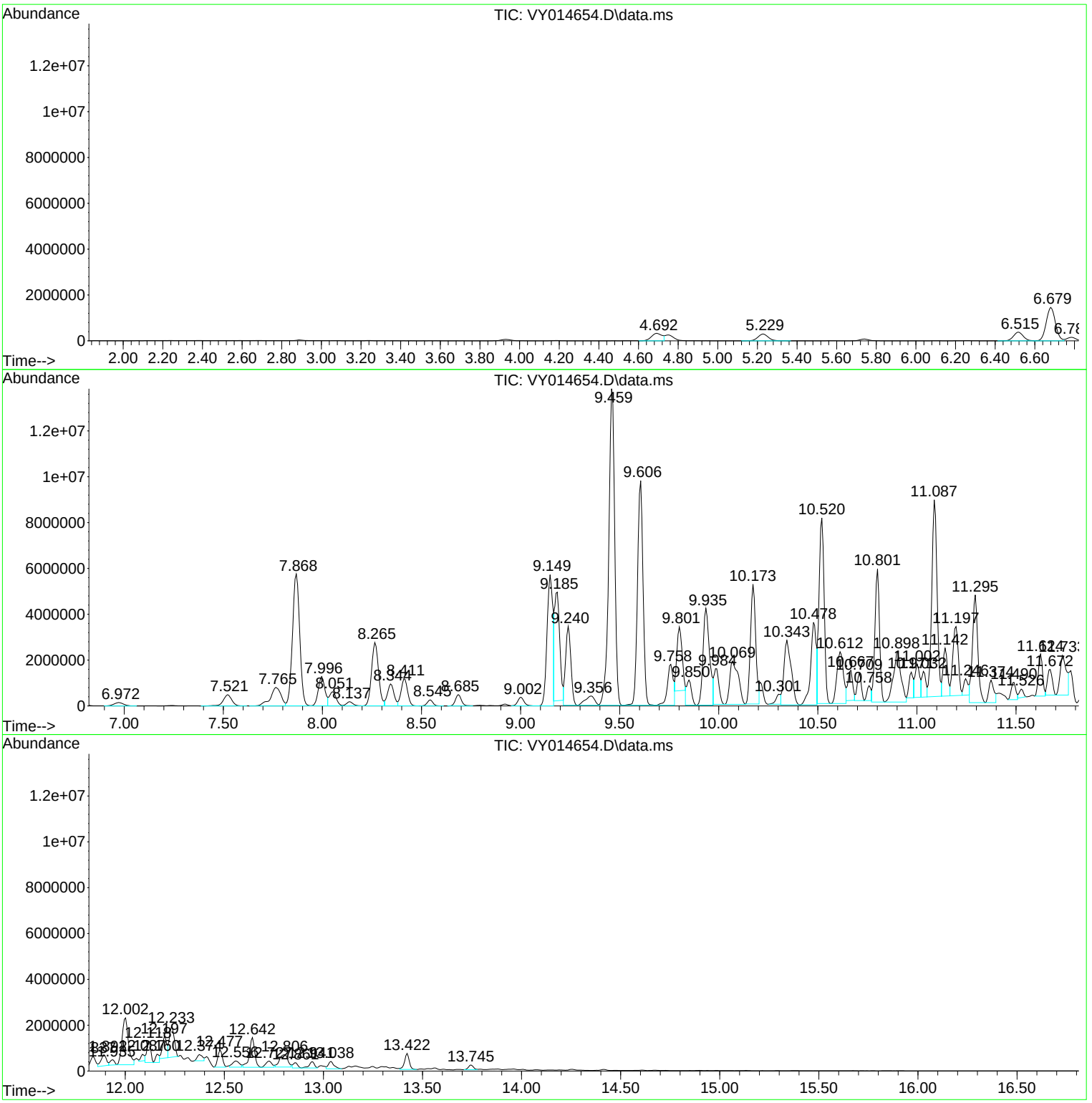
Sum of corrected areas: 291095948

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
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Sample : 03632-04
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SB-04-(9-11)

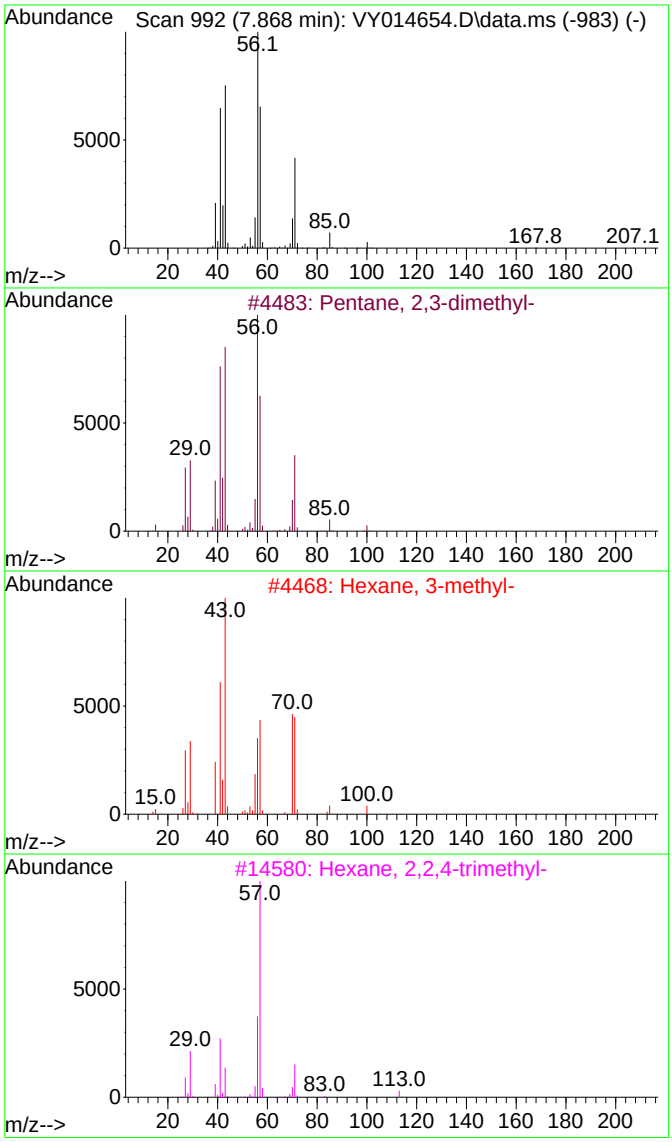
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

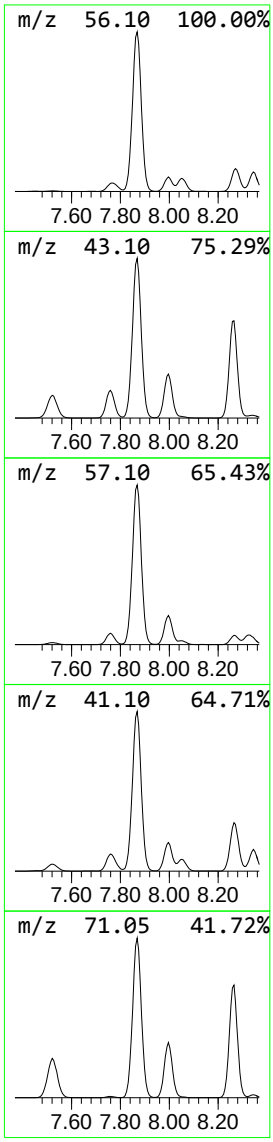
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.868	244.33 ug/l	14606600	Pentafluorobenzene	7.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	38
4	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	37
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	37





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Instrument :
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ClientSampleId :
SB-04-(9-11)

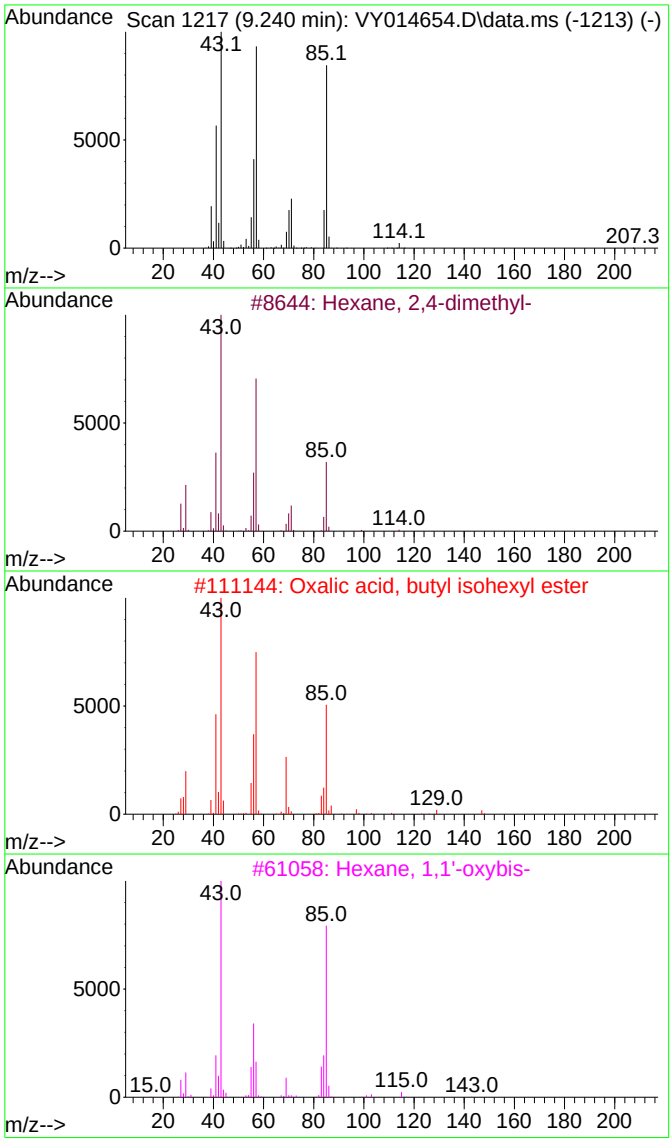
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

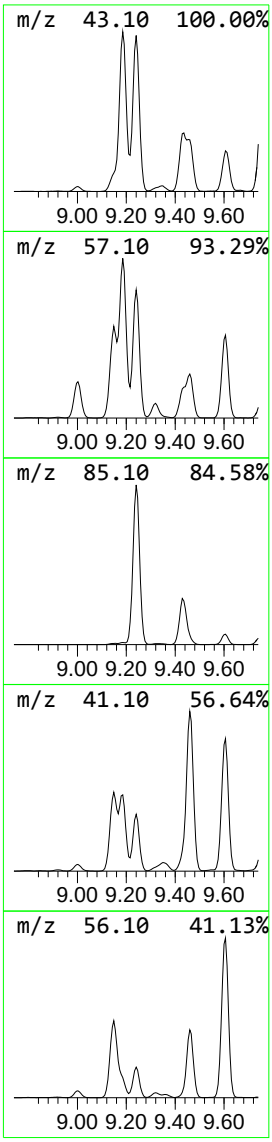
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.240	306.57 ug/l	6304920	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	53
5	Sulfurous acid, butyl hexyl ester	222	C10H22O3S	1000309-17-3	53





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Operator : SY/MD
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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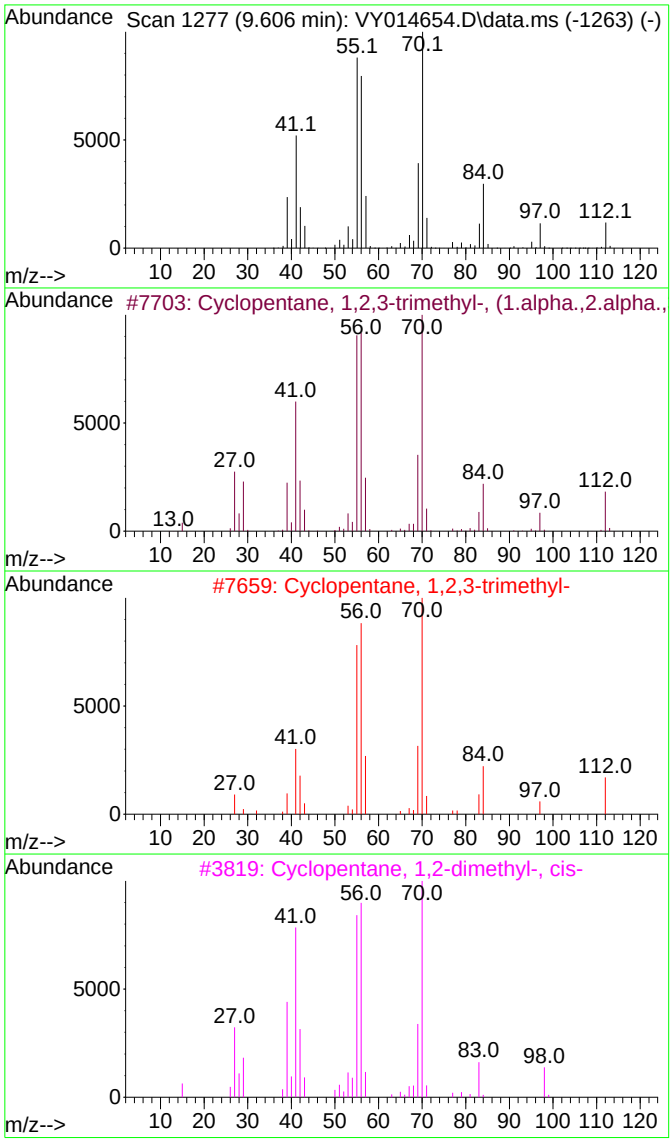
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

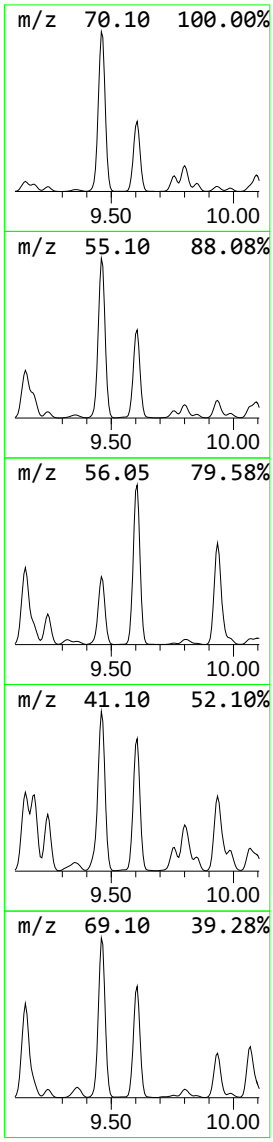
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, 1,2,3-trimeth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.606	922.41 ug/l	18970100	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	58
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	49





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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
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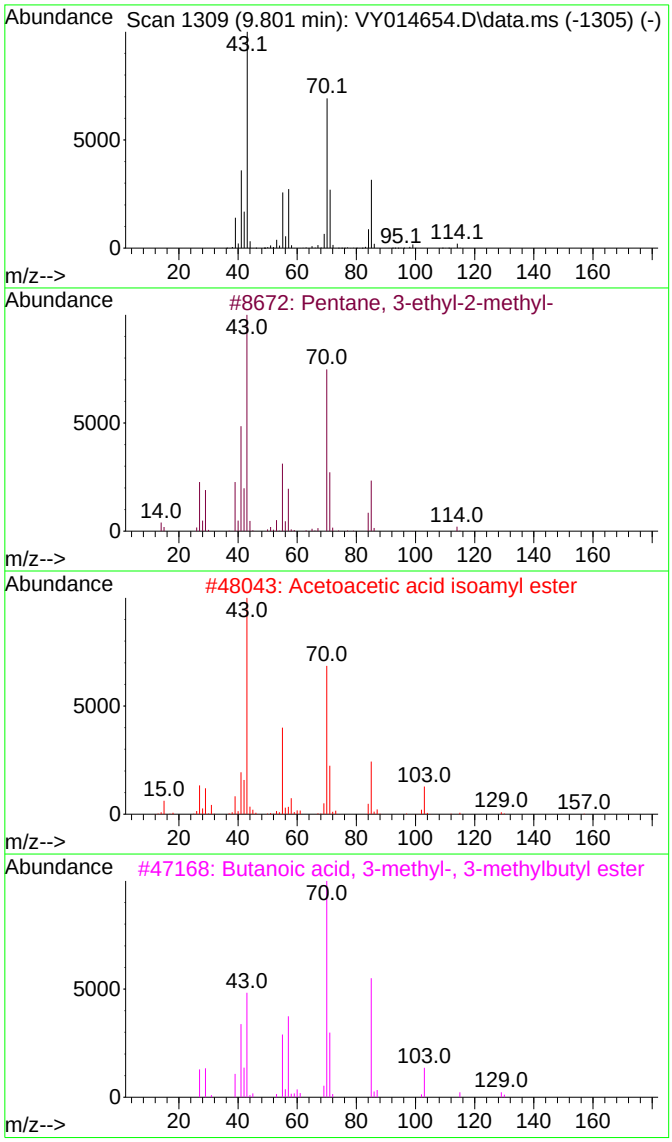
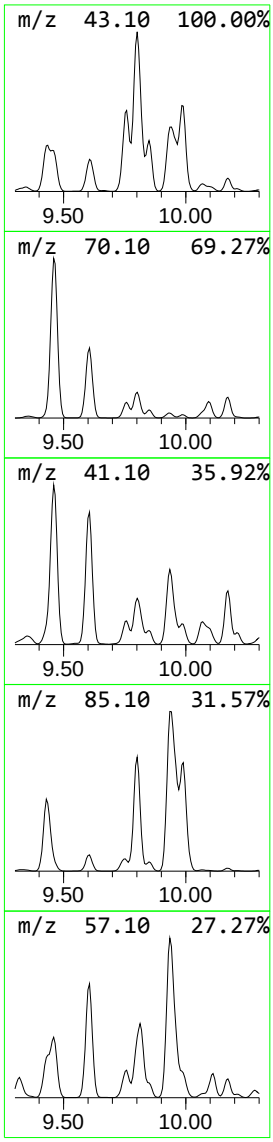
****
Peak Number 4 Pentane, 3-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.801	248.04 ug/l	5101040	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	90
2	Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	83
3	Butanoic acid, 3-methyl-, 3-meth...	172	C10H20O2	000659-70-1	59
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	53
5	Octane	114	C8H18	000111-65-9	50





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SB-04-(9-11)

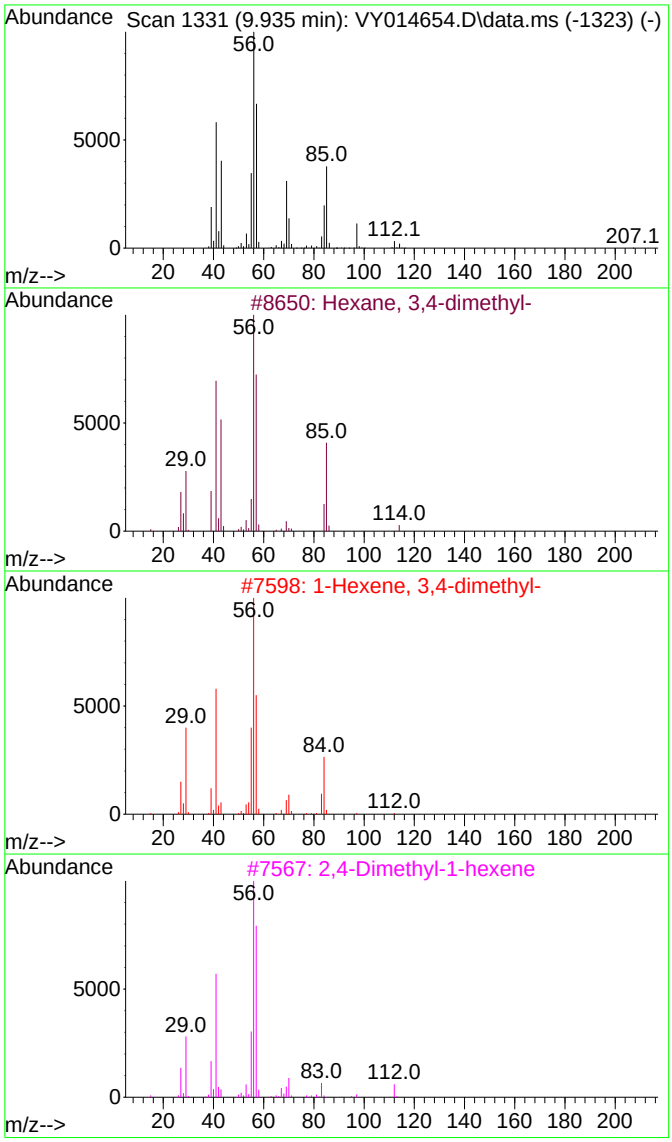
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

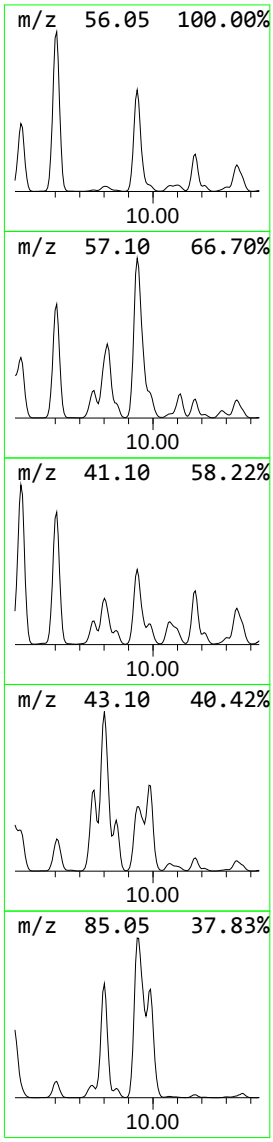
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 3,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.935	476.85 ug/l	9806700	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	68
2	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	59
3	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	52
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	50
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	49





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Data File : VY014654.D
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Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

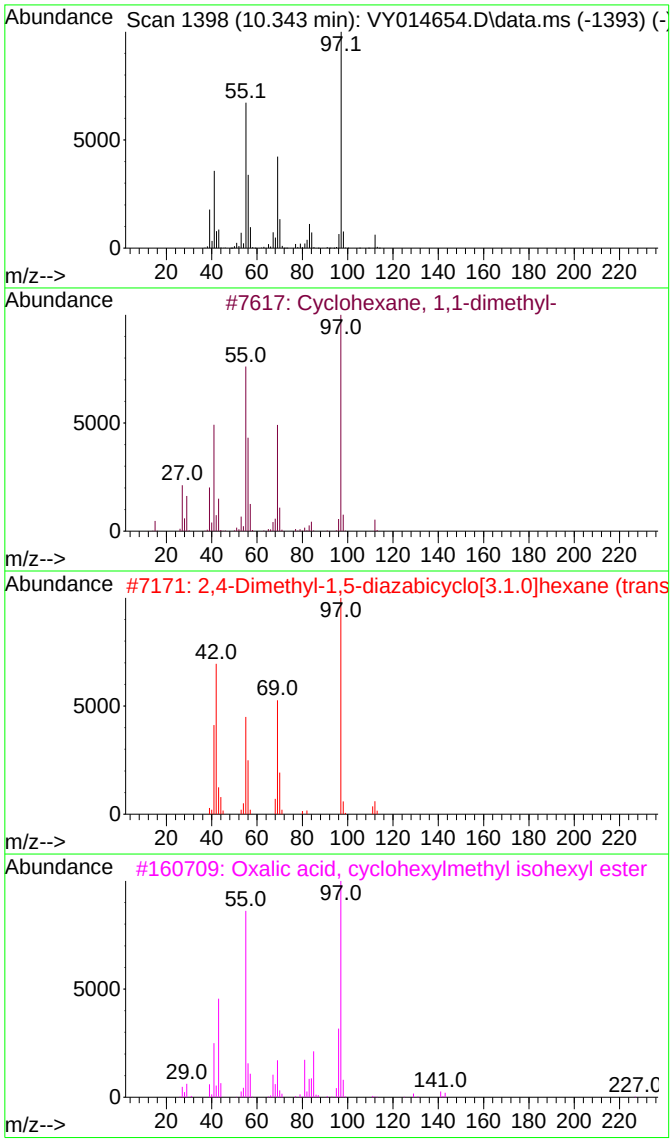
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

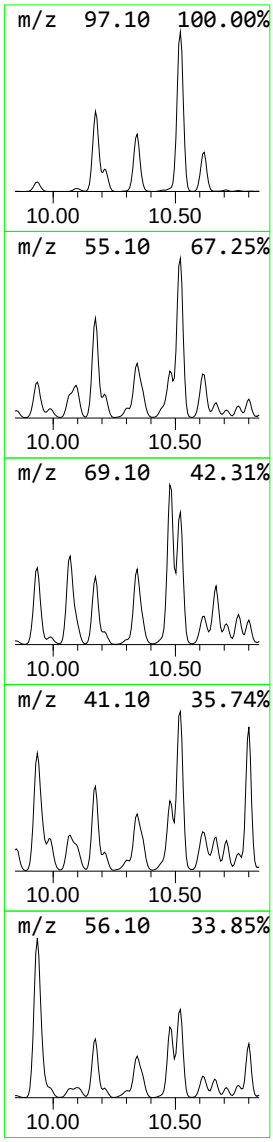
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,1-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.344	285.85 ug/l	7030520	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	64
3	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	64
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

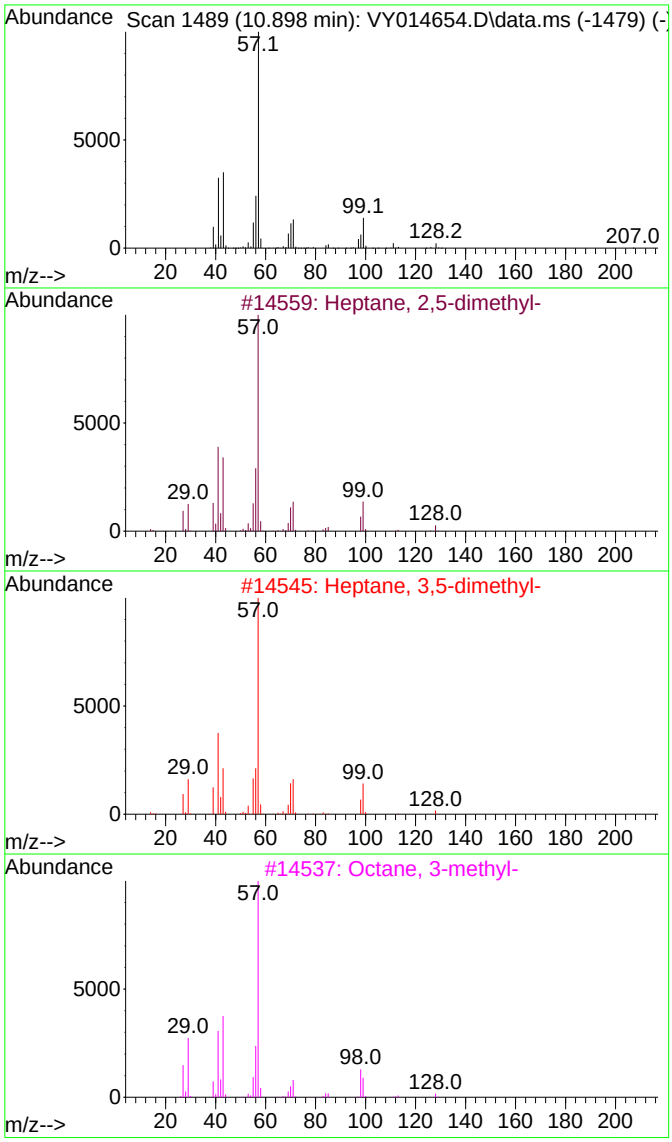
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

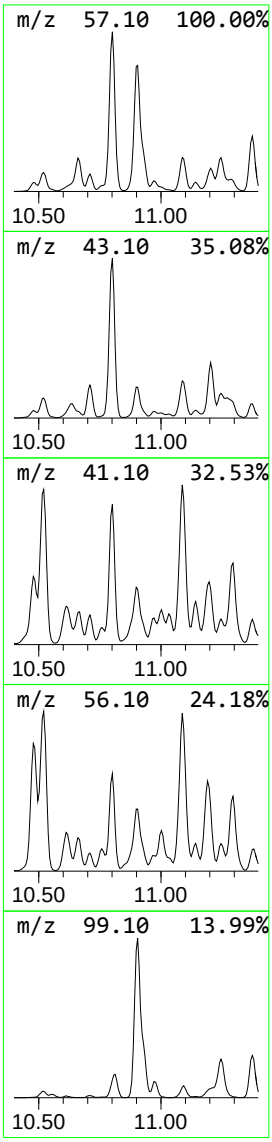
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Heptane, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.898	240.04 ug/l	5903720	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
3	Octane, 3-methyl-	128	C9H20	002216-33-3	64
4	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	59
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

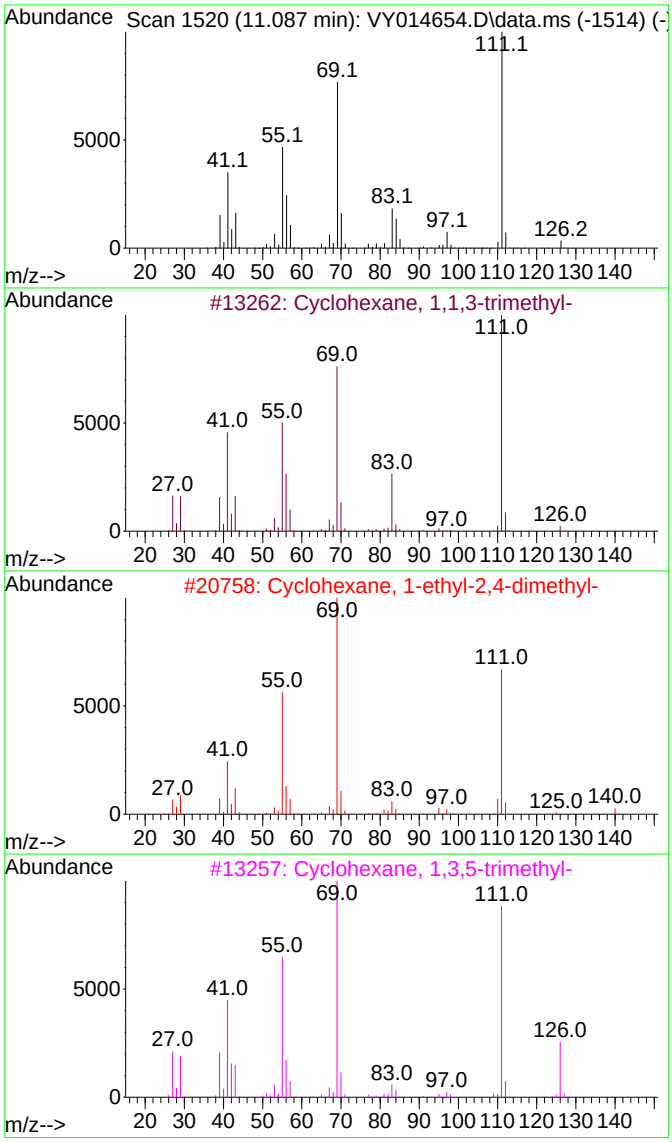
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

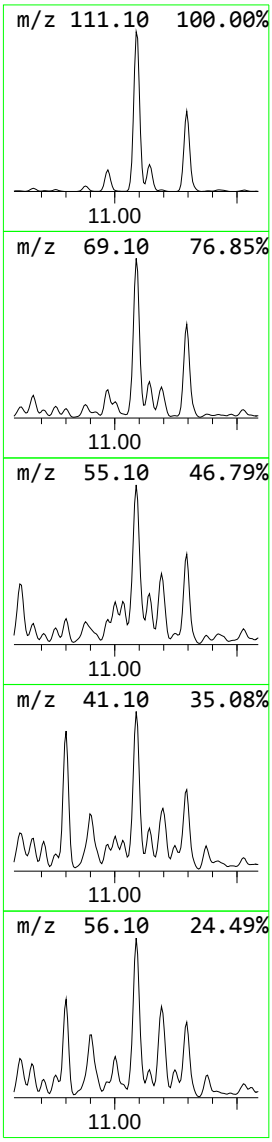
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.087	653.16 ug/l	16064600	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
4	Cyclooctane, butyl-	168	C12H24	016538-93-5	53
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

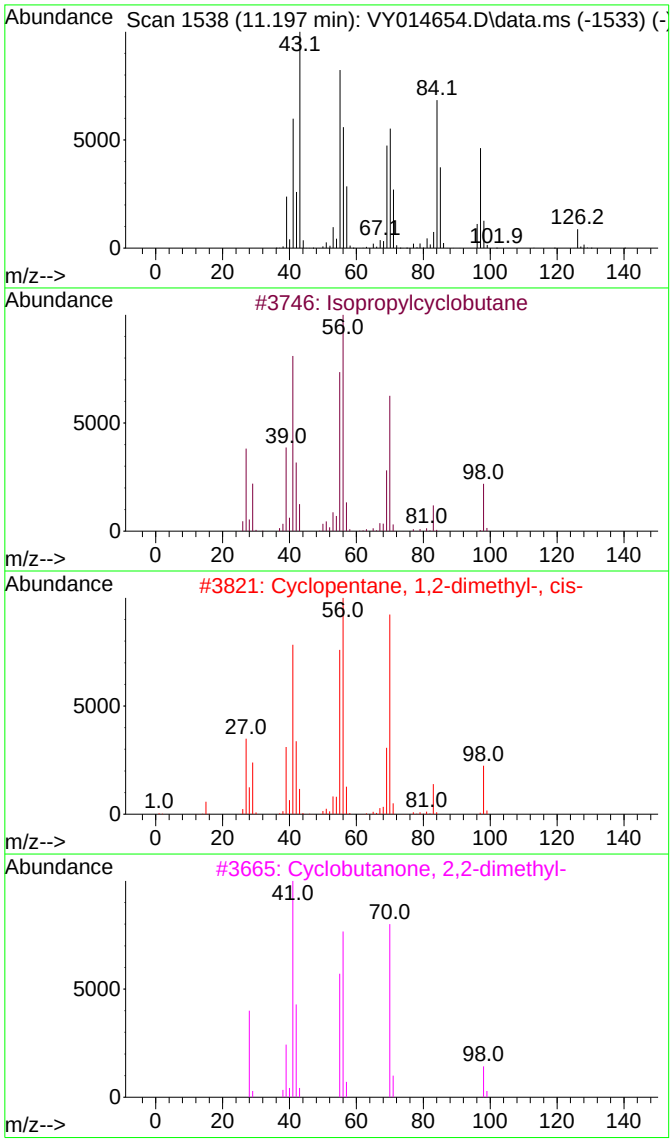
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

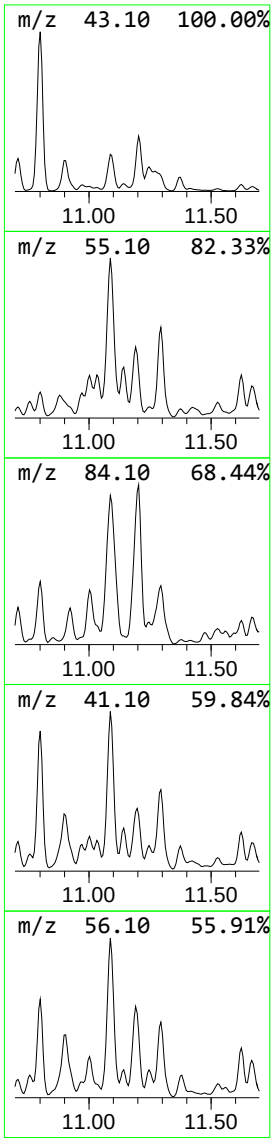
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown11.197 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.197	237.57 ug/l	5842960	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	38
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	38
3	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	38
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	30
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

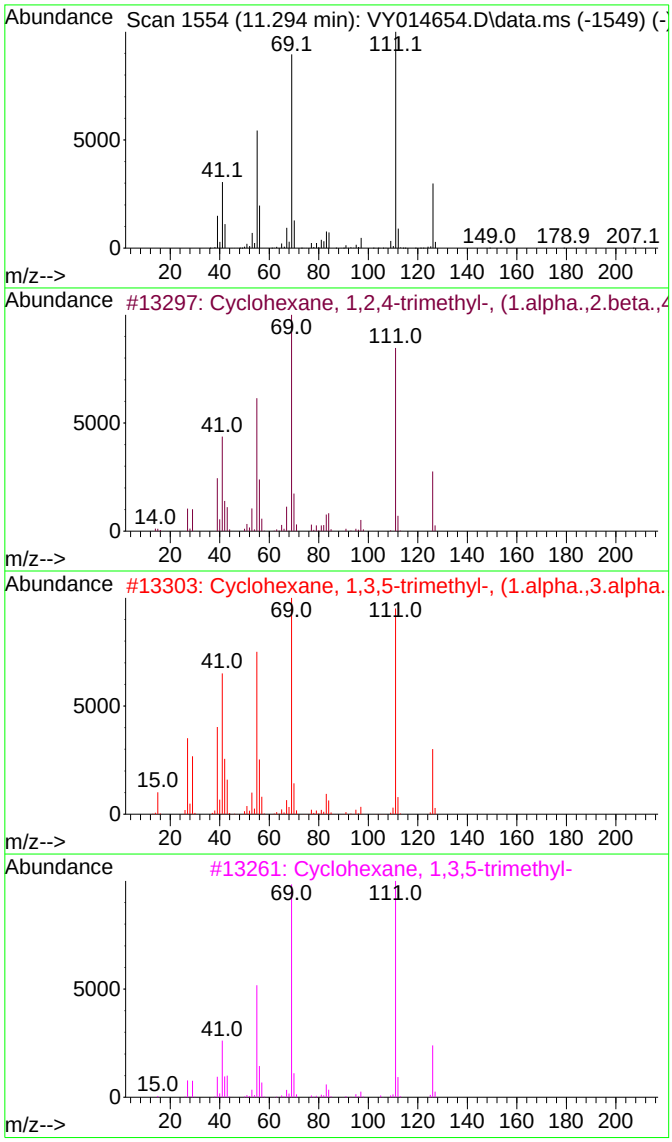
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260

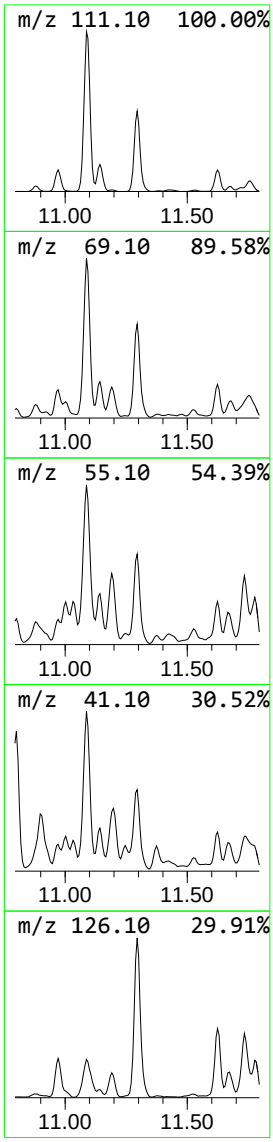
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, 1,2,4-trimethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.294	355.61 ug/l	8746340	Chlorobenzene-d5	11.490

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	95
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
Data File : VY014654.D
Acq On : 14 Jul 2023 17:51
Operator : SY/MD
Sample : 03632-04
Misc : 7.43g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-(9-11)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.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
Pentane, 2,3-di...	7.868	244.3	ug/l	14606600	1	7.783	2989060	50.0
Hexane, 2,4-dim...	9.240	306.6	ug/l	6304920	2	8.685	1028290	50.0
Cyclopentane, 1...	9.606	922.4	ug/l	18970100	2	8.685	1028290	50.0
Pentane, 3-ethy...	9.801	248.0	ug/l	5101040	2	8.685	1028290	50.0
Hexane, 3,4-dim...	9.935	476.9	ug/l	9806700	2	8.685	1028290	50.0
Cyclohexane, 1,...	10.344	285.9	ug/l	7030520	3	11.490	1229760	50.0
Heptane, 2,5-di...	10.898	240.0	ug/l	5903720	3	11.490	1229760	50.0
Cyclohexane, 1,...	11.087	653.2	ug/l	16064600	3	11.490	1229760	50.0
unknown11.197	11.197	237.6	ug/l	5842960	3	11.490	1229760	50.0
Cyclohexane, 1,...	11.294	355.6	ug/l	8746340	3	11.490	1229760	50.0