LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : UST2

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\82Y030821S.M
Title : SW846 8260

Signal : TIC: VY004102.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.741	469	479	495	rVB5	7332	25788	1.78%	0.231%
2	7.734	960	970	975	rBV	148848	351502	24.32%	3.155%
3	7.801	975	981	991	rVB	248539	553745	38.31%	4.971%
4	8.155	1030	1039	1051	rVB	139529	307341	21.26%	2.759%
5	8.356	1066	1072	1078	rVV6	5538	14762	1.02%	0.133%
6	8.429	1078	1084	1091	rVB3	9331	20600	1.43%	0.185%
7	8.557	1095	1105	1112	rBV2	15391	31718	2.19%	0.285%
8	8.697	1119	1128	1140	rBV	383333	742037	51.34%	6.661%
9	9.191	1196	1209	1216	rBV	85082	202238	13.99%	1.815%
10	9.374	1229	1239	1246	rVV2	16635	33788	2.34%	0.303%
11	9.472	1246	1255	1262	rVB	17075	36771	2.54%	0.330%
12	9.612	1269	1278	1288	rVB3	34419	67034	4.64%	0.602%
13	9.825	1307	1313	1317	rBV	40805	73995	5.12%	0.664%
14	9.959	1325	1335	1348	rVB3	35730	97534	6.75%	0.876%
15	10.069	1348	1353	1357	rBV4	7115	17289	1.20%	0.155%
16	10.185	1364	1372	1387	rBV	705563	1294268	89.55%	11.618%
17	10.313	1387	1393	1395	rBV2	17350	29783	2.06%	0.267%
18	10.374	1395	1403	1411	rVB3	84461	197906	13.69%	1.777%
19	10.490	1411	1422	1423	rBV4	14746	32145	2.22%	0.289%
20	10.526	1423	1428	1434	rVB	74446	134039	9.27%	1.203%
21	10.624	1434	1444	1449	rBV4	39447	90857	6.29%	0.816%
22	10.715	1455	1459	1464	rVB2	17915	27918	1.93%	0.251%
23	10.807	1469	1474	1479	rVV	24947	40788	2.82%	0.366%
24	10.862	1479	1483	1486	rVV3	10143	18971	1.31%	0.170%
25	10.910	1486	1491	1497	rVV3	16970	43569	3.01%	0.391%
26	10.971	1497	1501	1504	rVV2	29526	52746	3.65%	0.473%
27	11.008	1504	1507	1508	rVV2	33855	43799	3.03%	0.393%
28	11.038	1508	1512	1517	rVV	115649	203295	14.07%	1.825%
29	11.093	1517	1521	1527	rVV	141757	252234	17.45%	2.264%
30	11.148	1527	1530	1534	rVV3	16582	27896	1.93%	0.250%
31	11.203	1534	1539	1544	rVV4	43723	88048	6.09%	0.790%
32	11.294	1544	1554	1563	rVB5	49485	136163	9.42%	1.222%
33	11.386	1563	1569	1573	rBV	34871	60586	4.19%	0.544%
34	11.496	1580	1587	1597	rVV	512566	836726	57.89%	7.511%
35	11.593	1597	1603	1608	rVV2	134697	248970	17.23%	2.235%
36	11.703	1612	1621	1631	rVV	341598	761939	52.72%	6.840%

LSC Area Percent Report

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Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : UST2

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\82Y030821S.M
Title : SW846 8260

37	11.782	1631	1634	1639	rVB3	33277	53910	3.73%	0.484%
38	11.843	1639	1644	1649	rBV4	9413	17322	1.20%	0.155%
39	11.898	1649	1653	1658	rBV2	11048	21139	1.46%	0.190%
40	12.032	1663	1675	1682	rBV	301988	564085	39.03%	5.064%
41	12.124	1687	1690	1693	rVB	12438	15116	1.05%	0.136%
42	12.166	1693	1697	1699	rBV3	11422	15685	1.09%	0.141%
43	12.203	1699	1703	1707	rBV	65219	102369	7.08%	0.919%
44	12.252	1707	1711	1715	rVB4	27181	44566	3.08%	0.400%
45	12.331	1720	1724	1729	rVB2	25501	40475	2.80%	0.363%
46	12.489	1743	1750	1758	rBV3	821418	1445321	100.00%	12.974%
47	12.563	1758	1762	1768	rVV	19492	35369	2.45%	0.317%
48	12.648	1771	1776	1784	rVB3	41029	88328	6.11%	0.793%
49	12.739	1784	1791	1794	rBV	73158	127192	8.80%	1.142%
50	12.770	1794	1796	1799	rVV	48272	68060	4.71%	0.611%
51	12.812	1799	1803	1809	rVV	89771	152541	10.55%	1.369%
52	12.977	1821	1830	1837	rBV	55108	106460	7.37%	0.956%
53	13.044	1837	1841	1844	rBV2	15470	22684	1.57%	0.204%
54	13.123	1849	1854	1859	rBV	64361	97352	6.74%	0.874%
55	13.319	1879	1886	1891	rVV3	23240	46498	3.22%	0.417%
56	13.373	1891	1895	1898	rVV2	11627	19916	1.38%	0.179%
57	13.428	1898	1904	1918	rVB2	374428	666556	46.12%	5.983%
58	13.623	1933	1936	1940	rVB3	13563	17071	1.18%	0.153%
59	13.672	1940	1944	1952	rVB4	15723	30872	2.14%	0.277%
60	13.751	1952	1957	1962	rBV4	21122	36612	2.53%	0.329%
61	13.971	1988	1993	1999	rVB3	29195	50787	3.51%	0.456%
62	14.081	2006	2011	2016	rVB3	18138	28021	1.94%	0.252%
63	14.672	2103	2108	2116	rBV4	12419	26944	1.86%	0.242%

Sum of corrected areas: 11140039

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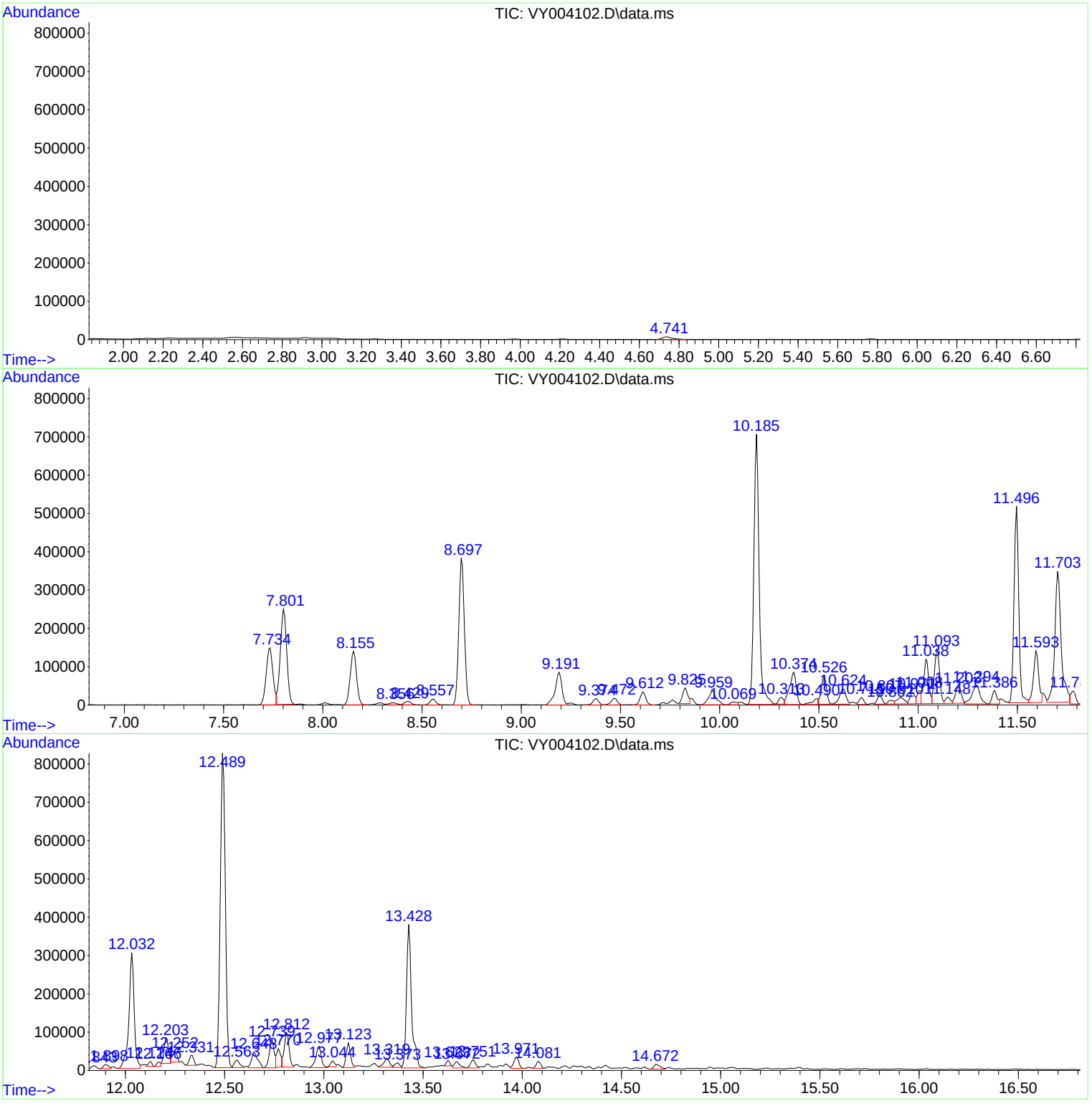
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
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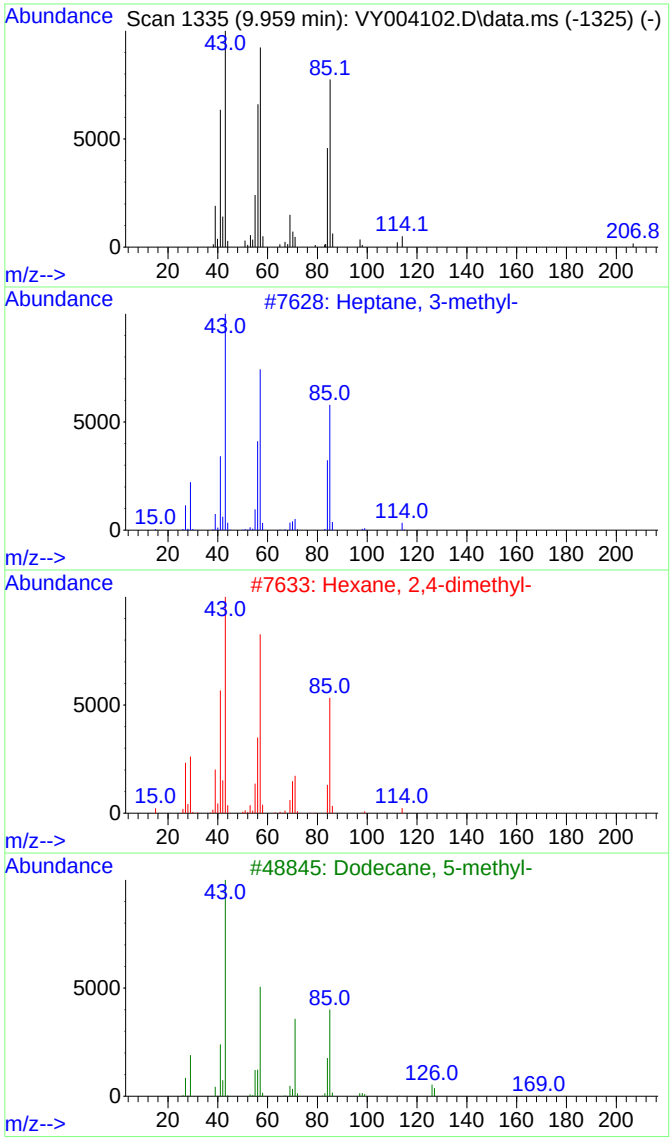
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

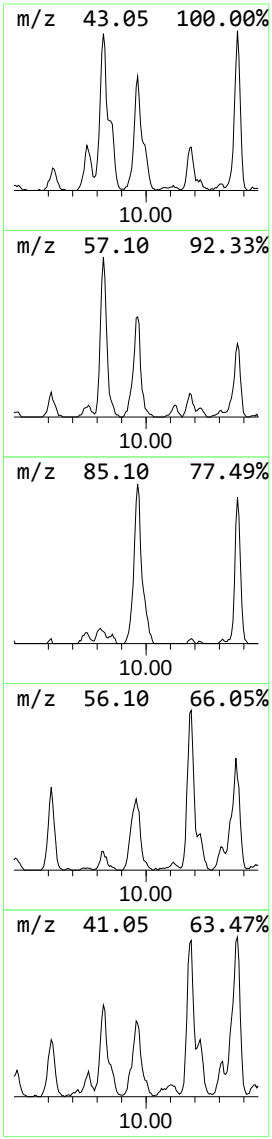
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Heptane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.959	6.57 ug/l	97534	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
3	Dodecane, 5-methyl-	184	C13H28	017453-93-9	59
4	Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	59
5	Sulfurous acid, decyl hexyl ester	306	C16H34O3S	1000309-13-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

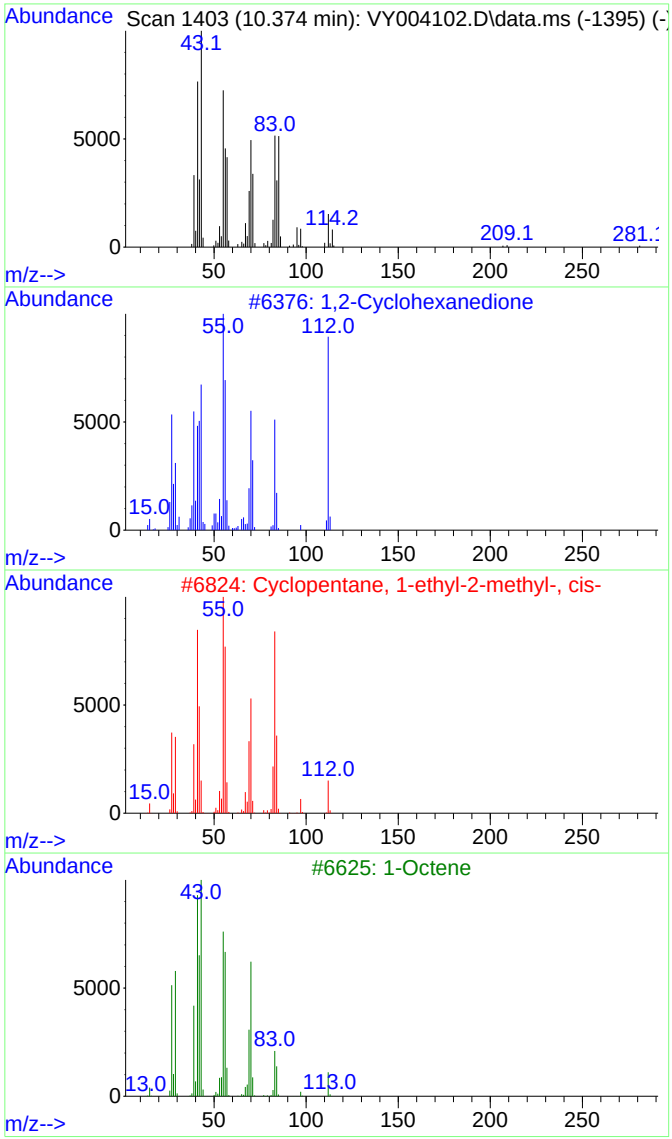
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

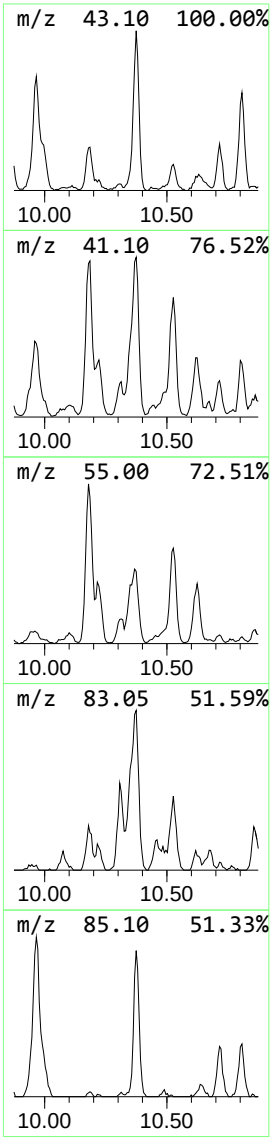
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,2-Cyclohexanedione Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.374	11.83 ug/l	197906	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	62
2	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	60
3	1-Octene	112	C8H16	000111-66-0	46
4	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	38
5	2-Octene, (Z)-	112	C8H16	007642-04-8	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

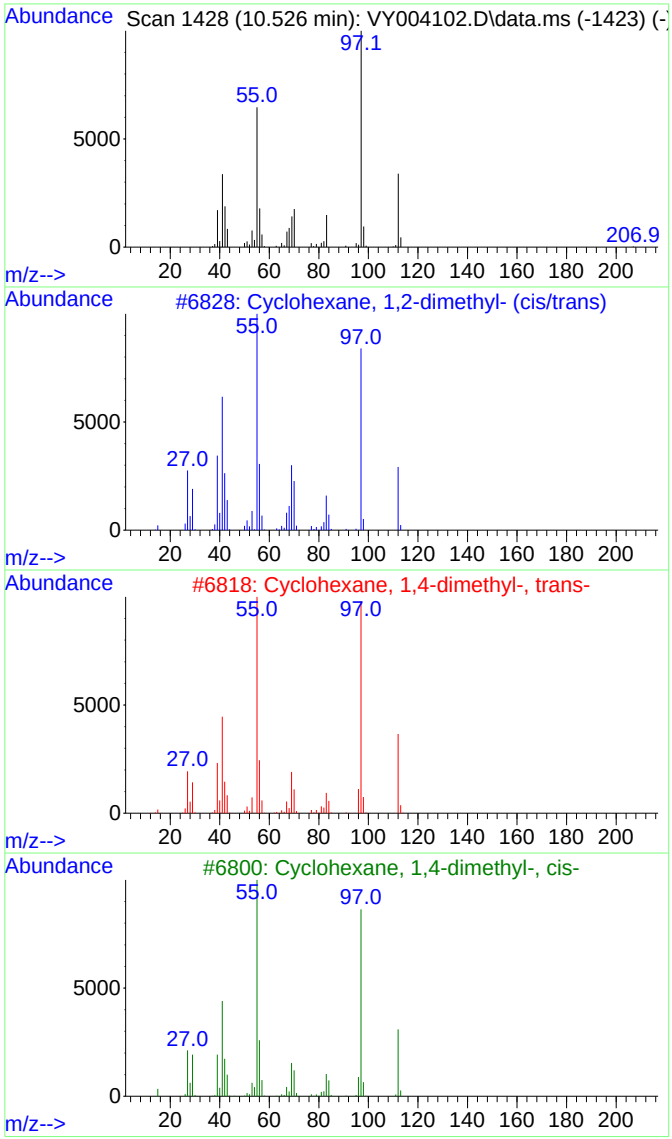
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

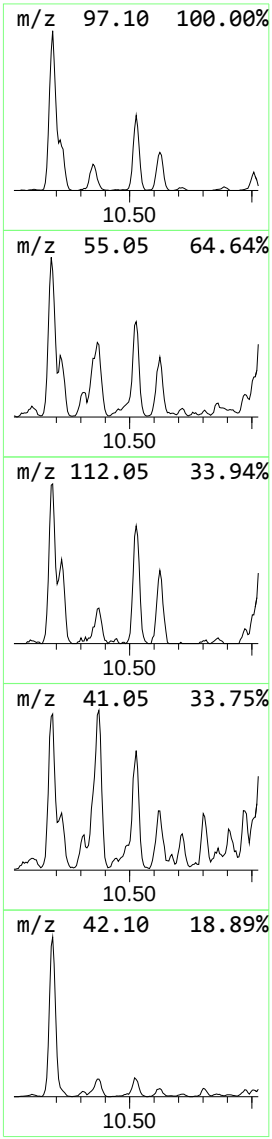
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.526	8.01 ug/l	134039	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	83
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

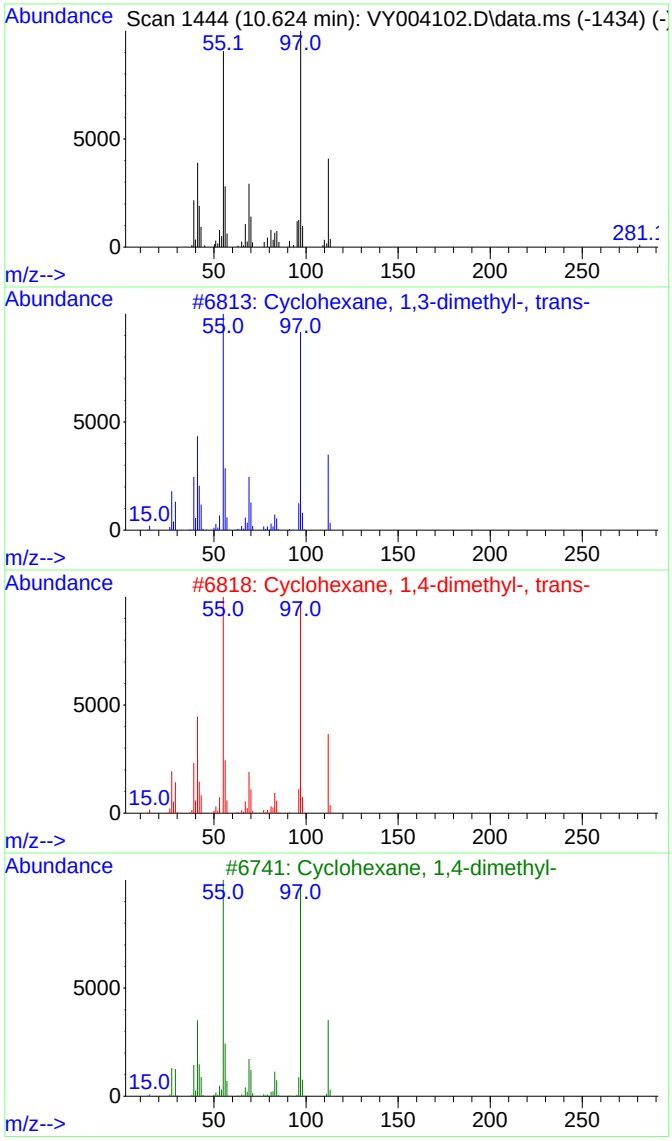
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

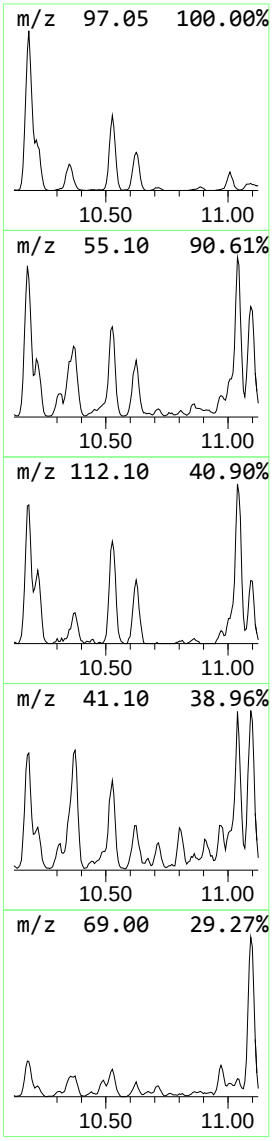
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.624	5.43 ug/l	90857	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	97
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

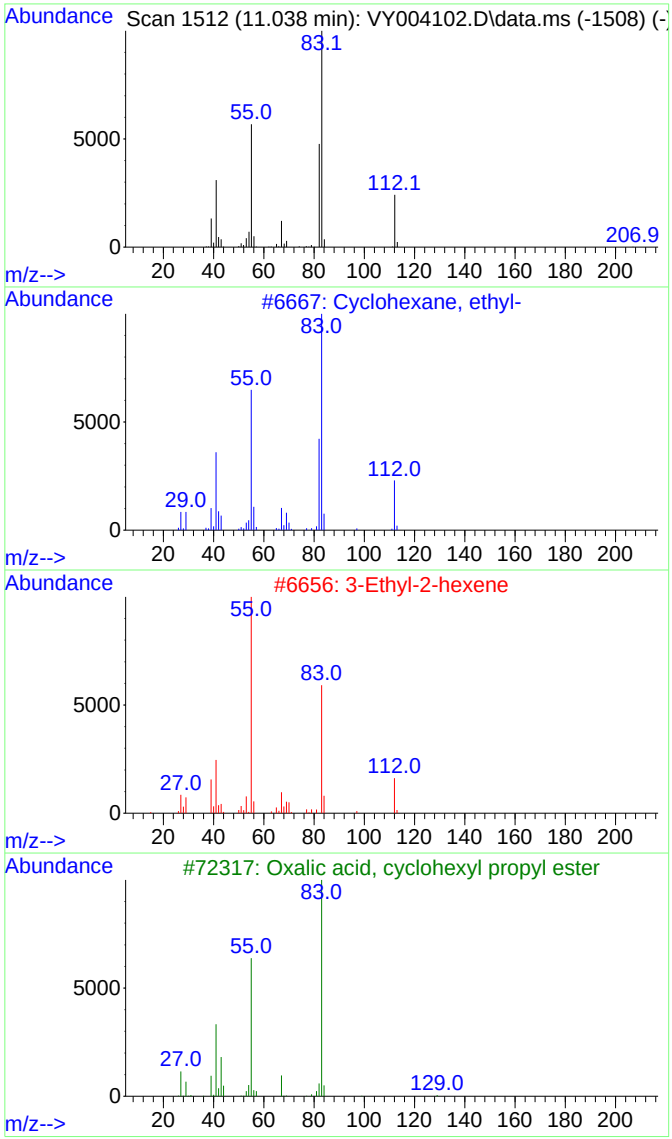
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

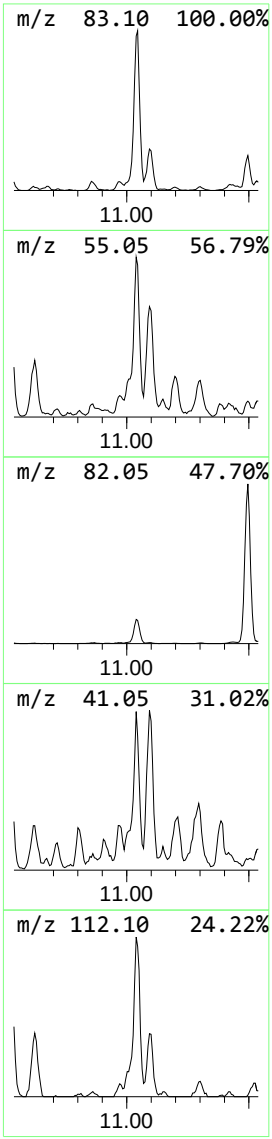
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	12.15 ug/l	203295	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	3-Ethyl-2-hexene	112	C8H16	000620-00-8	53
3	Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50
4	Oxalic acid, cyclohexyl pentyl e...	242	C13H22O4	1000309-30-6	50
5	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	50





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Instrument :
MSVOA_Y
ClientSampleId :
UST2

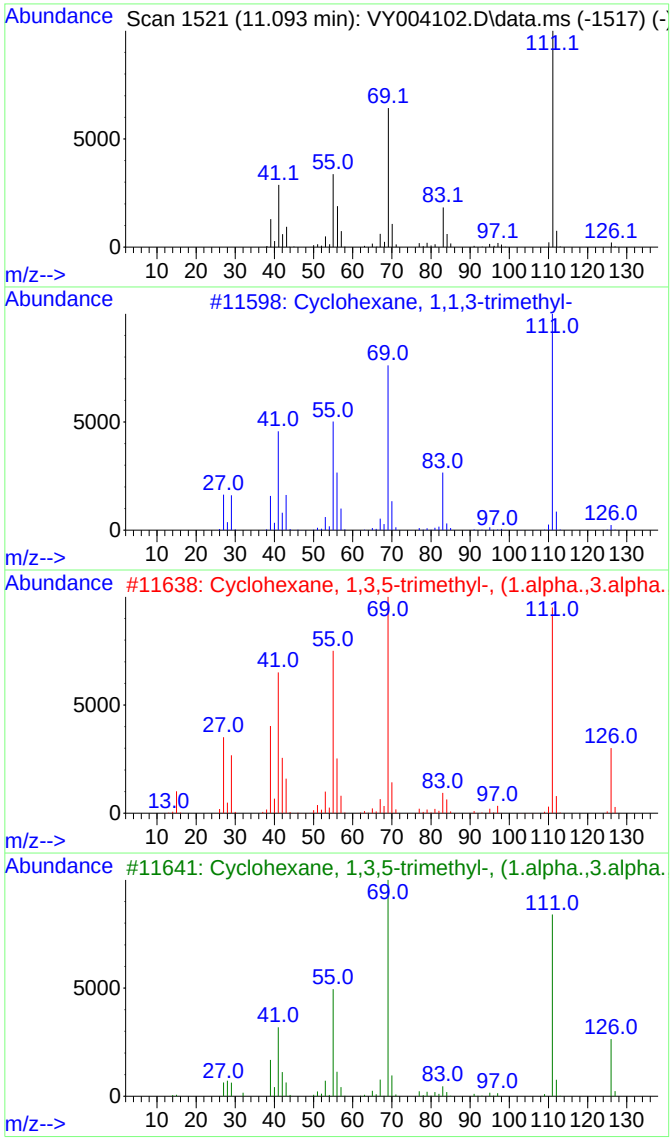
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

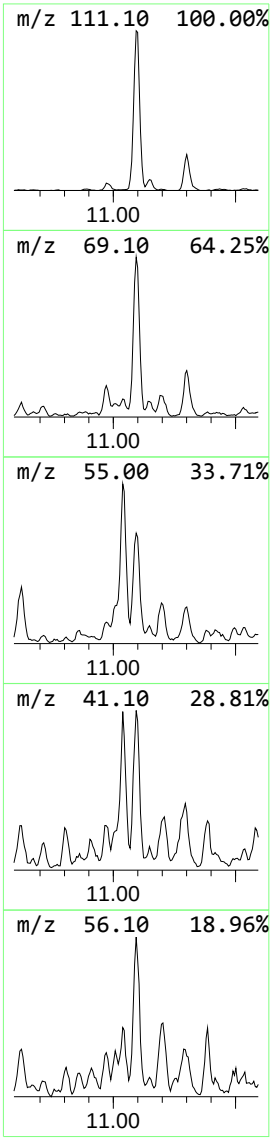
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.093	15.07 ug/l	252234	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	78
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

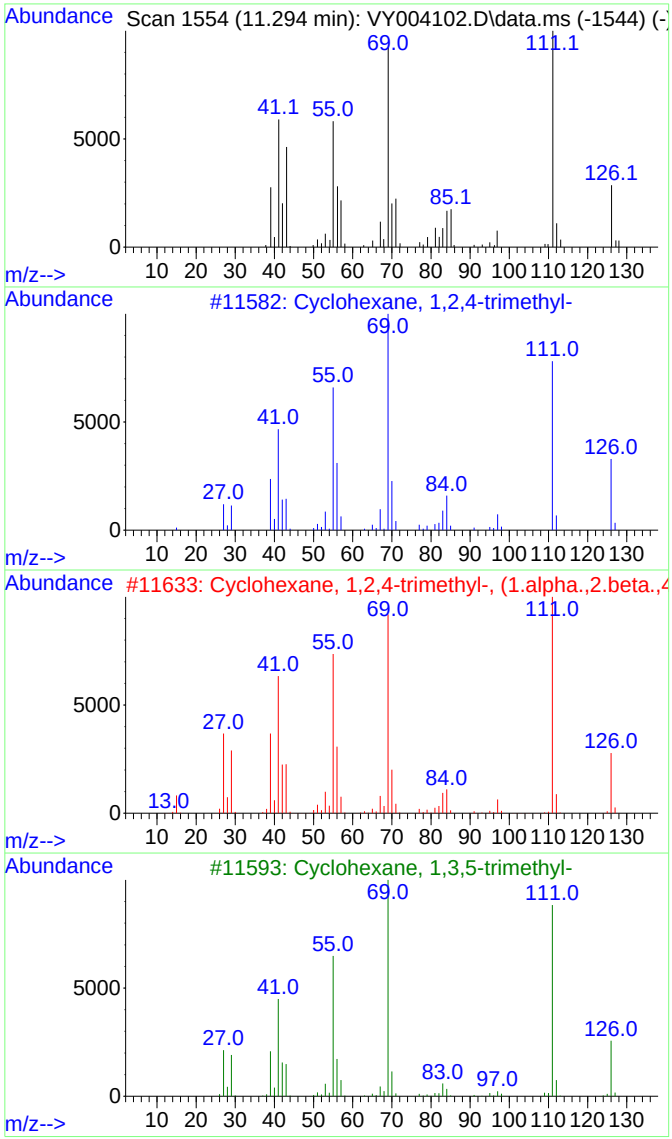
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

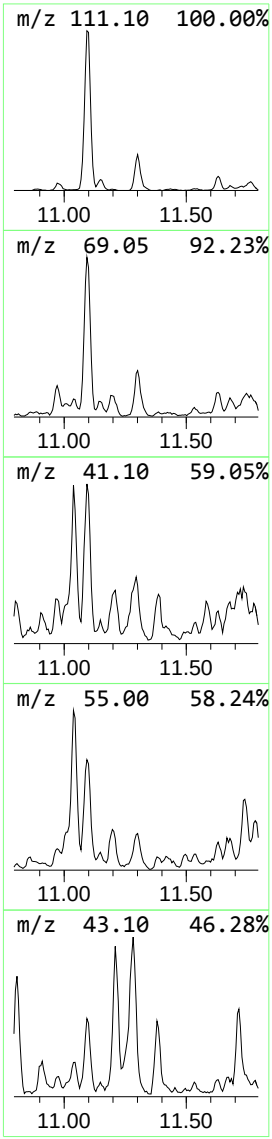
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.294	8.14 ug/l	136163	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	74
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	68
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

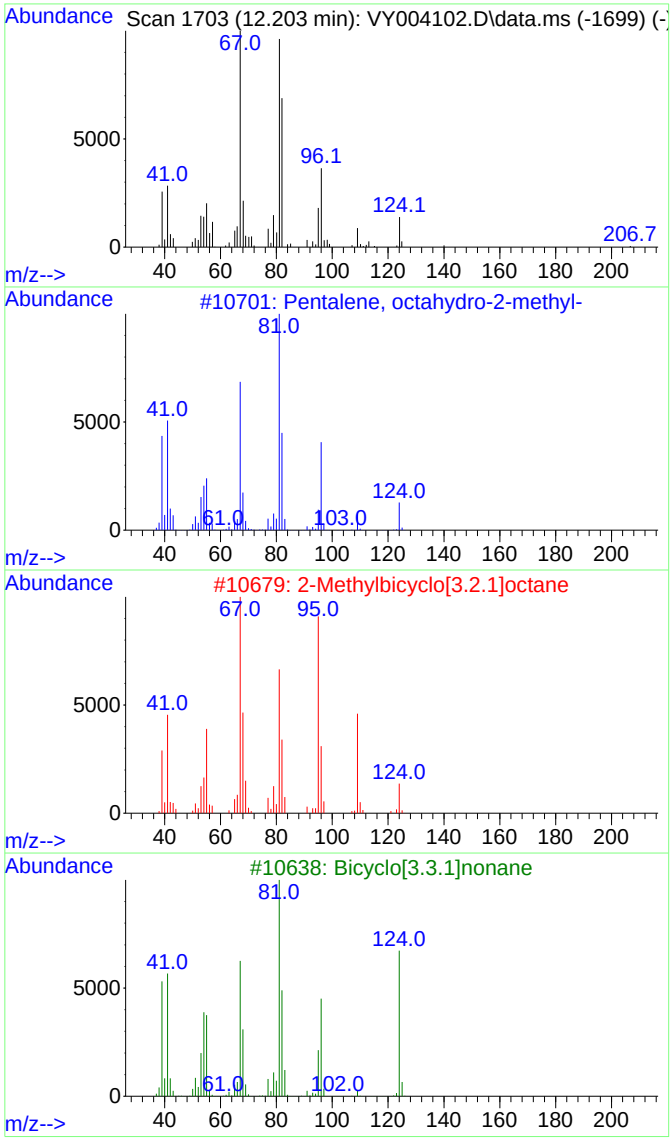
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

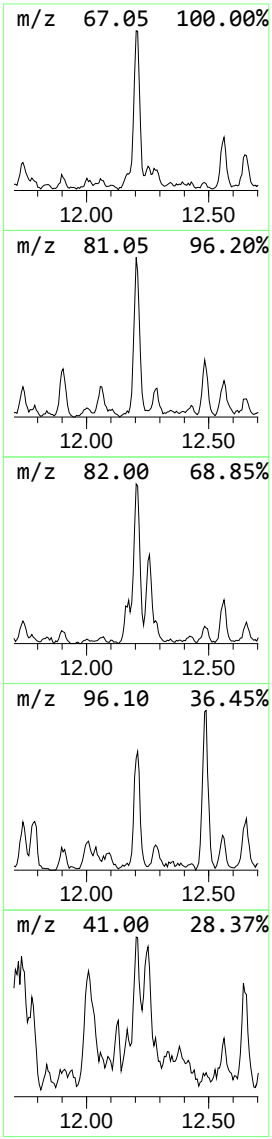
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentalene, octahydro-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.203	6.12 ug/l	102369	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	72
2	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	64
3	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	62
4	Bicyclo[4.1.0]heptane	96	C7H12	000286-08-8	58
5	Cyclopentane, (2-methylpropylide...	124	C9H16	053366-58-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

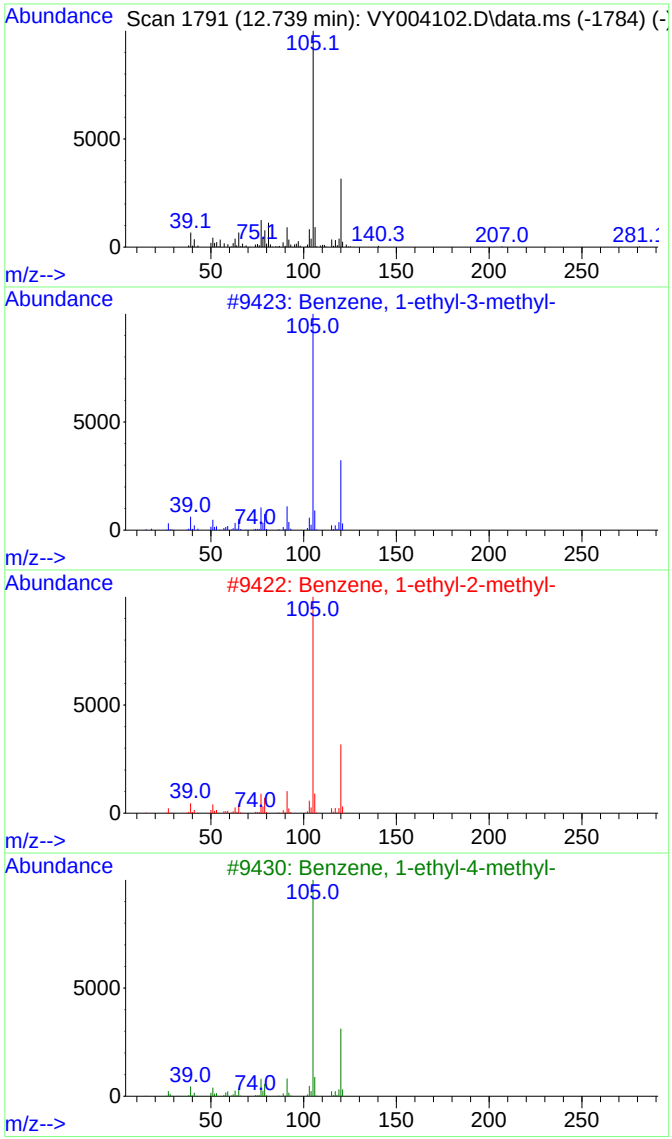
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

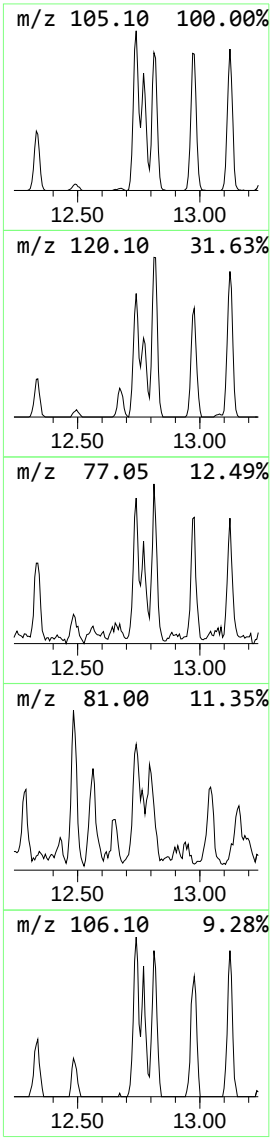
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	9.54 ug/l	127192	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
5	Mesitylene	120	C9H12	000108-67-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST2

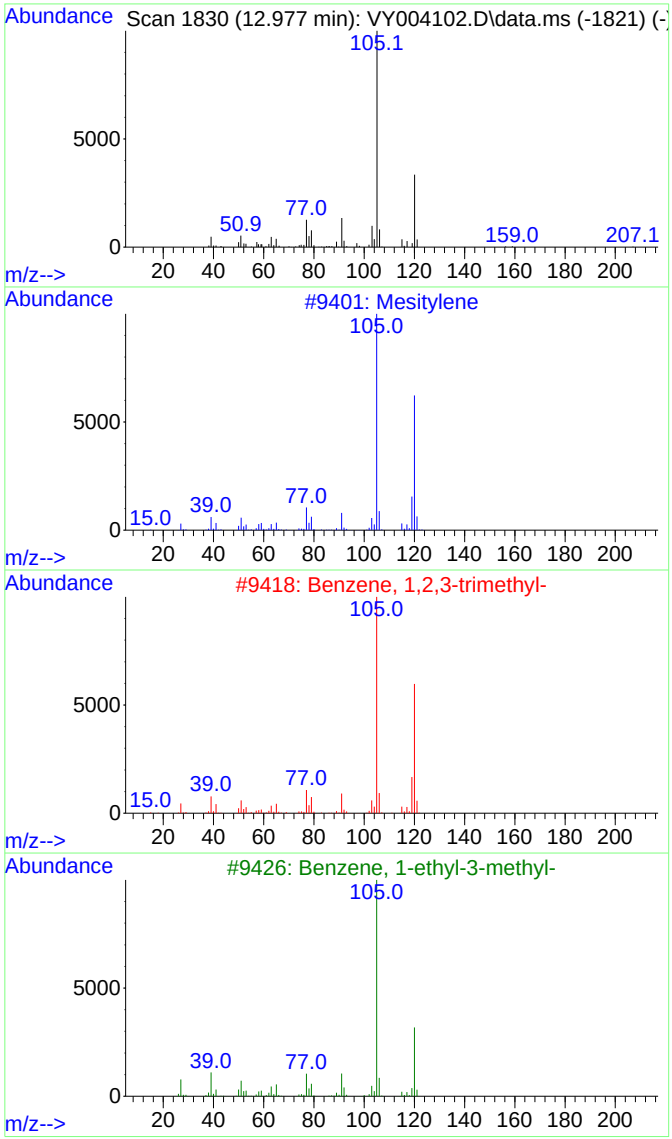
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

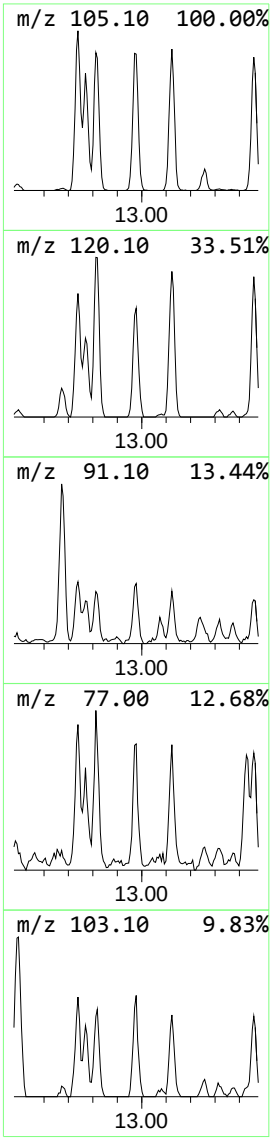
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.977	7.99 ug/l	106460	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004102.D
Acq On : 17 Mar 2021 14:47
Operator : SY/MD
Sample : M1681-38
Misc : 4.58g/5mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : UST2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.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
Heptane, 3-methyl-	9.959	6.6	ug/l	97534	2	8.697	742037	50.0
1,2-Cyclohexane...	10.374	11.8	ug/l	197906	3	11.496	836726	50.0
Cyclohexane, 1,...	10.526	8.0	ug/l	134039	3	11.496	836726	50.0
Cyclohexane, 1,...	10.624	5.4	ug/l	90857	3	11.496	836726	50.0
Cyclohexane, et...	11.038	12.2	ug/l	203295	3	11.496	836726	50.0
Cyclohexane, 1,...	11.093	15.1	ug/l	252234	3	11.496	836726	50.0
Cyclohexane, 1,...	11.294	8.1	ug/l	136163	3	11.496	836726	50.0
Pentalene, octa...	12.203	6.1	ug/l	102369	3	11.496	836726	50.0
Benzene, 1-ethy...	12.739	9.5	ug/l	127192	4	13.428	666556	50.0
Mesitylene	12.977	8.0	ug/l	106460	4	13.428	666556	50.0