LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

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_D\Method\82D051922S.M
Title : SW846 8260

Signal : TIC: VD073497.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.944	3	4	10	rVB	27384	27937	1.08%	0.148%
2	4.956	503	516	528	rBV6	26334	107492	4.15%	0.570%
3	5.485	593	606	617	rBV3	39767	133665	5.16%	0.709%
4	5.985	683	691	704	rVB6	12604	38020	1.47%	0.202%
5	6.920	838	850	858	rBV4	15732	43745	1.69%	0.232%
6	7.908	1008	1018	1023	rBV	269595	650772	25.10%	3.452%
7	7.973	1023	1029	1037	rVV	429272	963450	37.17%	5.111%
8	8.061	1037	1044	1054	rVV3	68810	172900	6.67%	0.917%
9	8.179	1058	1064	1068	rVV4	16641	38345	1.48%	0.203%
10	8.238	1068	1074	1081	rVV4	37766	100280	3.87%	0.532%
11	8.320	1081	1088	1098	rVV	226859	511355	19.73%	2.713%
12	8.450	1101	1110	1117	rVV3	60162	156065	6.02%	0.828%
13	8.526	1117	1123	1128	rVV2	51337	114579	4.42%	0.608%
14	8.591	1128	1134	1143	rVB2	97201	220917	8.52%	1.172%
15	8.856	1170	1179	1190	rBV	692743	1427690	55.08%	7.574%
16	9.350	1249	1263	1268	rBV4	200858	620645	23.94%	3.293%
17	9.397	1268	1271	1281	rVB2	60174	115709	4.46%	0.614%
18	9.620	1298	1309	1319	rVB2	113046	253208	9.77%	1.343%
19	9.761	1324	1333	1342	rBV3	99259	194746	7.51%	1.033%
20	9.914	1352	1359	1362	rBV	44719	81664	3.15%	0.433%
21	9.955	1362	1366	1371	rVB3	27239	47848	1.85%	0.254%
22	10.091	1380	1389	1393	rBV2	58132	117933	4.55%	0.626%
23	10.138	1393	1397	1405	rVB4	39461	76430	2.95%	0.405%
24	10.226	1405	1412	1414	rBV4	21815	44082	1.70%	0.234%
25	10.332	1422	1430	1443	rBV	1306484	2592256	100.00%	13.753%
26	10.455	1446	1451	1454	rBV2	35873	66309	2.56%	0.352%
27	10.508	1454	1460	1469	rVB4	102850	287642	11.10%	1.526%
28	10.626	1469	1480	1483	rBV3	43570	95903	3.70%	0.509%
29	10.673	1483	1488	1497	rVB	133522	247867	9.56%	1.315%
30	10.767	1497	1504	1509	rBV4	66177	145115	5.60%	0.770%
31	10.855	1515	1519	1525	rVB2	48377	75975	2.93%	0.403%
32	10.944	1525	1534	1539	rBV2	90657	167430	6.46%	0.888%
33	11.044	1540	1551	1559	rBV2	74909	181625	7.01%	0.964%
34	11.114	1559	1563	1567	rVV3	41252	76123	2.94%	0.404%
35	11.185	1571	1575	1578	rVV	99309	162076	6.25%	0.860%
36	11.238	1578	1584	1590	rVV	237894	454267	17.52%	2.410%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
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Acq On : 07 Jun 2022 14:07
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Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HELENS-0602

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_D\Method\82D051922S.M
Title : SW846 8260

37	11.291	1590	1593	1596	rVV2	36565	50711	1.96%	0.269%
38	11.344	1596	1602	1606	rVV3	106442	193468	7.46%	1.026%
39	11.385	1606	1609	1614	rVB3	32327	49019	1.89%	0.260%
40	11.438	1614	1618	1626	rVB	92174	167964	6.48%	0.891%
41	11.514	1626	1631	1635	rBV3	25655	42341	1.63%	0.225%
42	11.632	1645	1651	1663	rVB	1072657	1884390	72.69%	9.997%
43	11.732	1663	1668	1670	rBV3	18744	27113	1.05%	0.144%
44	11.773	1670	1675	1677	rBV	32512	47391	1.83%	0.251%
45	11.814	1677	1682	1688	rVB6	45486	94256	3.64%	0.500%
46	11.879	1688	1693	1697	rBV2	95699	185311	7.15%	0.983%
47	11.920	1697	1700	1706	rVB2	80093	128423	4.95%	0.681%
48	11.979	1706	1710	1717	rBV6	21354	52369	2.02%	0.278%
49	12.067	1718	1725	1730	rVB6	28248	70474	2.72%	0.374%
50	12.144	1730	1738	1744	rBV4	109672	259977	10.03%	1.379%
51	12.255	1750	1757	1762	rVB2	80681	146456	5.65%	0.777%
52	12.344	1766	1772	1774	rBV3	77336	131803	5.08%	0.699%
53	12.508	1796	1800	1807	rVB5	43409	92025	3.55%	0.488%
54	12.620	1812	1819	1826	rVB	1157504	1870567	72.16%	9.924%
55	12.702	1826	1833	1837	rBV7	29128	63908	2.47%	0.339%
56	12.785	1842	1847	1854	rVB4	80859	149593	5.77%	0.794%
57	12.867	1854	1861	1865	rBV6	25336	60184	2.32%	0.319%
58	12.944	1867	1874	1879	rBV6	63494	154303	5.95%	0.819%
59	13.085	1893	1898	1902	rVB6	24631	35055	1.35%	0.186%
60	13.167	1909	1912	1921	rVB5	37030	67429	2.60%	0.358%
61	13.349	1939	1943	1947	rVV7	18536	39157	1.51%	0.208%
62	13.449	1954	1960	1964	rVV6	45068	94576	3.65%	0.502%
63	13.485	1964	1966	1972	rVV5	18628	30318	1.17%	0.161%
64	13.561	1972	1979	1989	rVB	876916	1468694	56.66%	7.792%
65	13.879	2028	2033	2038	rBV4	39624	69402	2.68%	0.368%
66	14.085	2061	2068	2076	rVB2	105639	198426	7.65%	1.053%
67	14.391	2114	2120	2126	rBV7	25023	58440	2.25%	0.310%
68	14.549	2143	2147	2153	rVB7	15338	27186	1.05%	0.144%
69	14.796	2185	2189	2196	rBV8	12230	26541	1.02%	0.141%

Sum of corrected areas: 18849335

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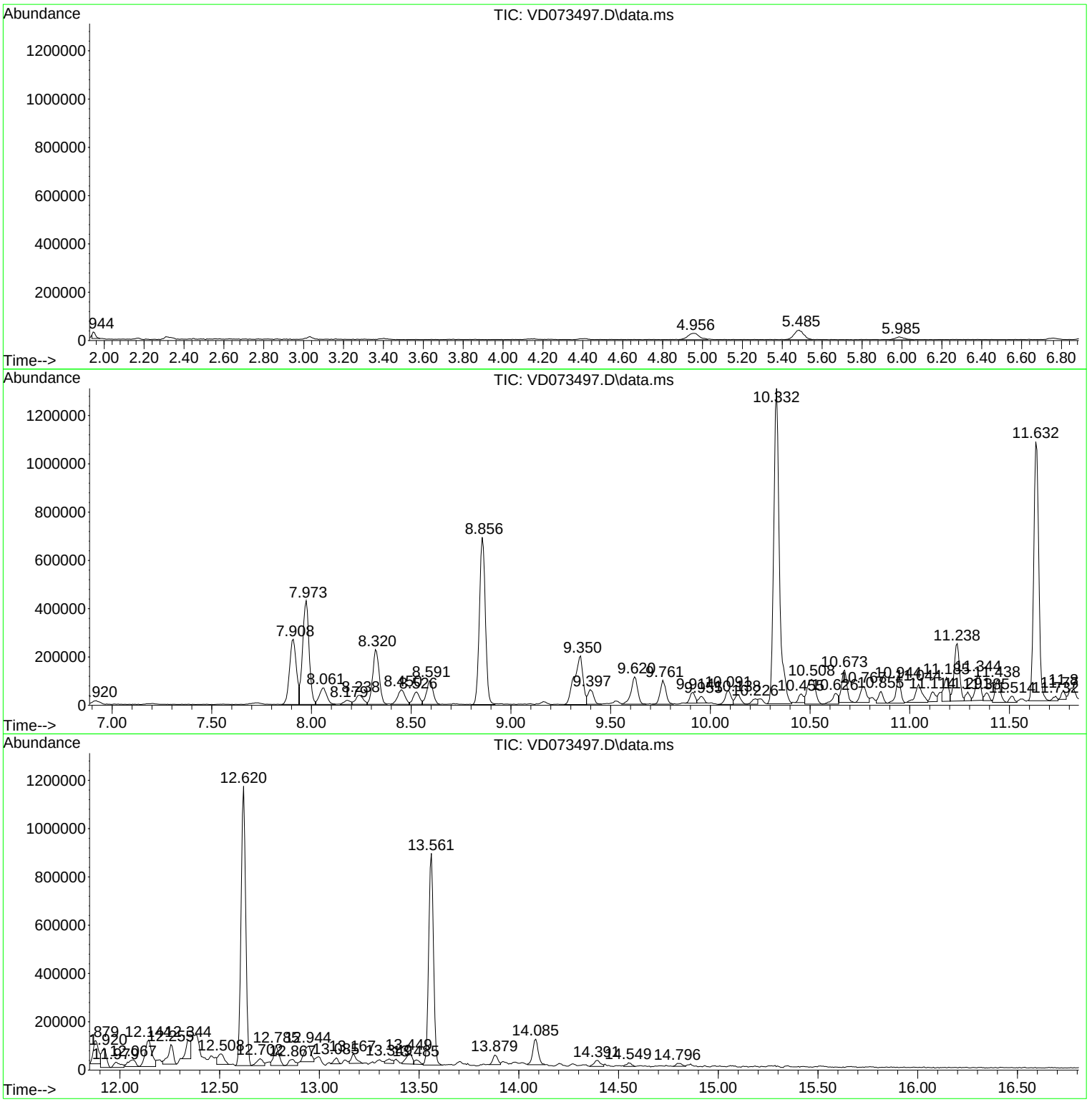
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

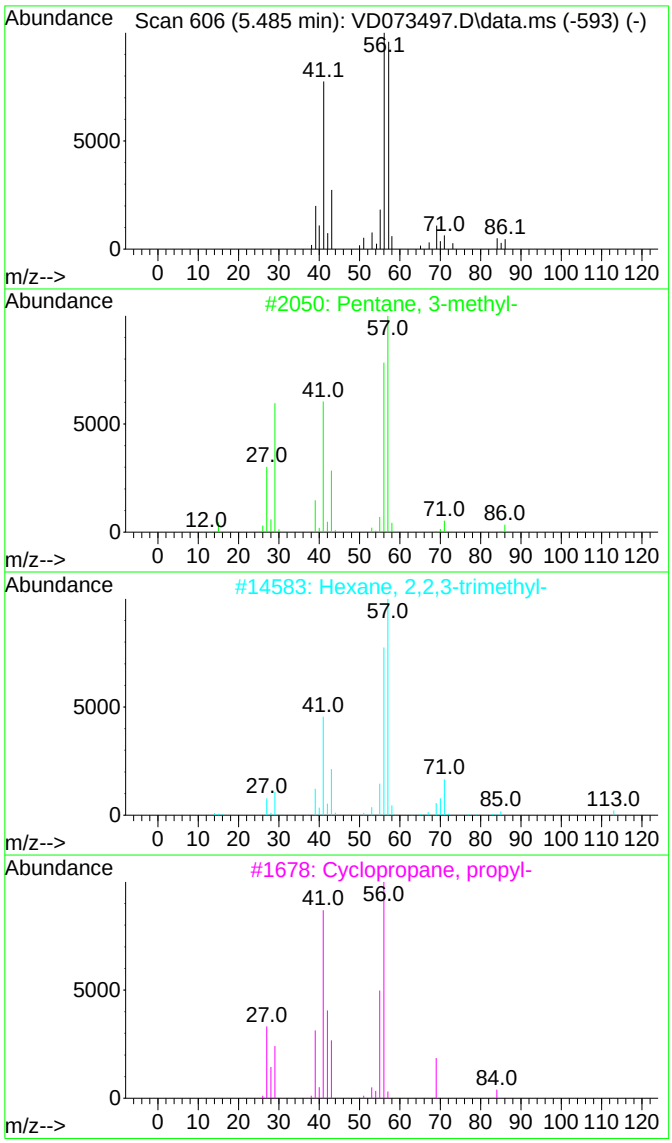
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

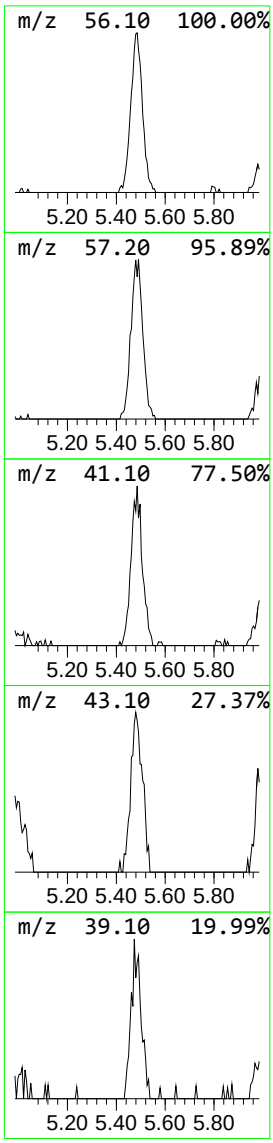
****

Peak Number 1 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.485	6.94 ug/l	133665	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
3	Cyclopropane, propyl-	84	C6H12	002415-72-7	53
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	45
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

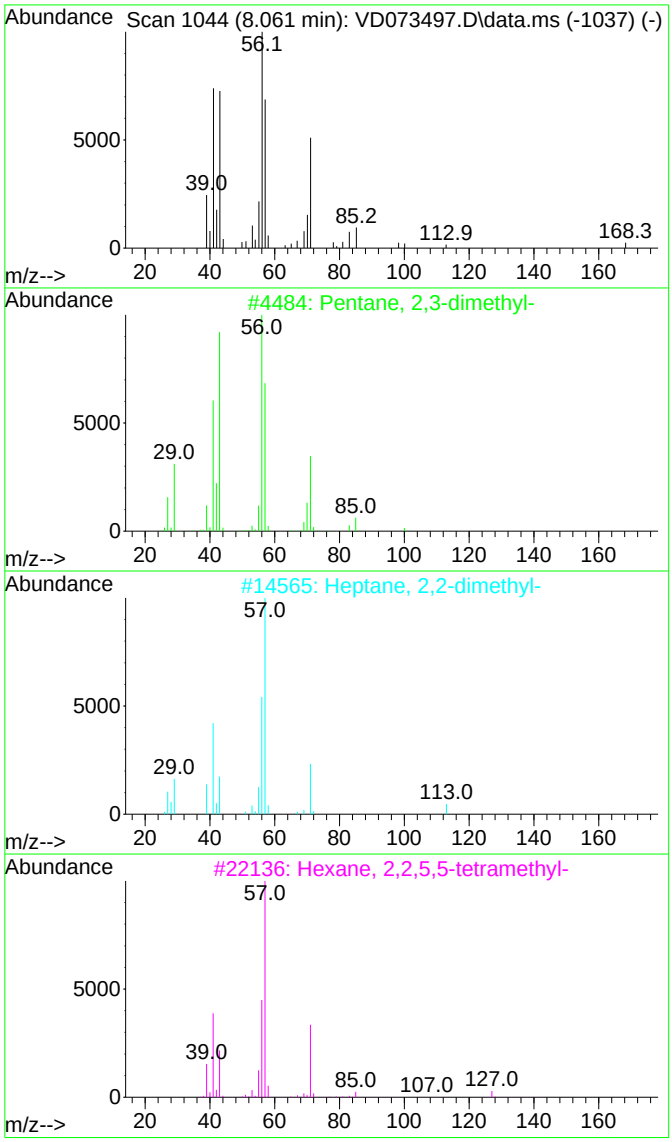
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

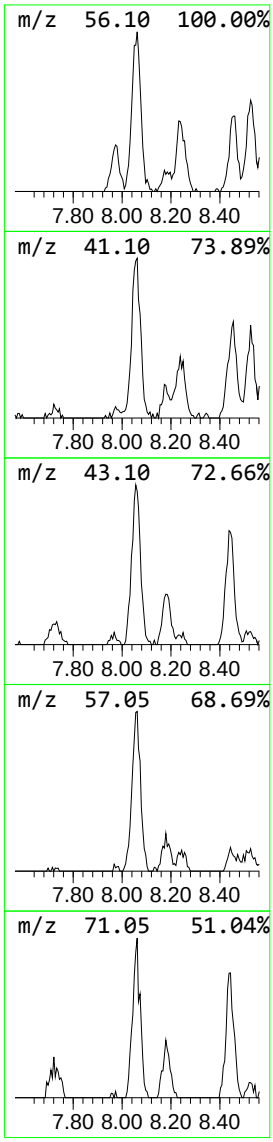
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.061	8.97 ug/l	172900	Pentafluorobenzene	7.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	53
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

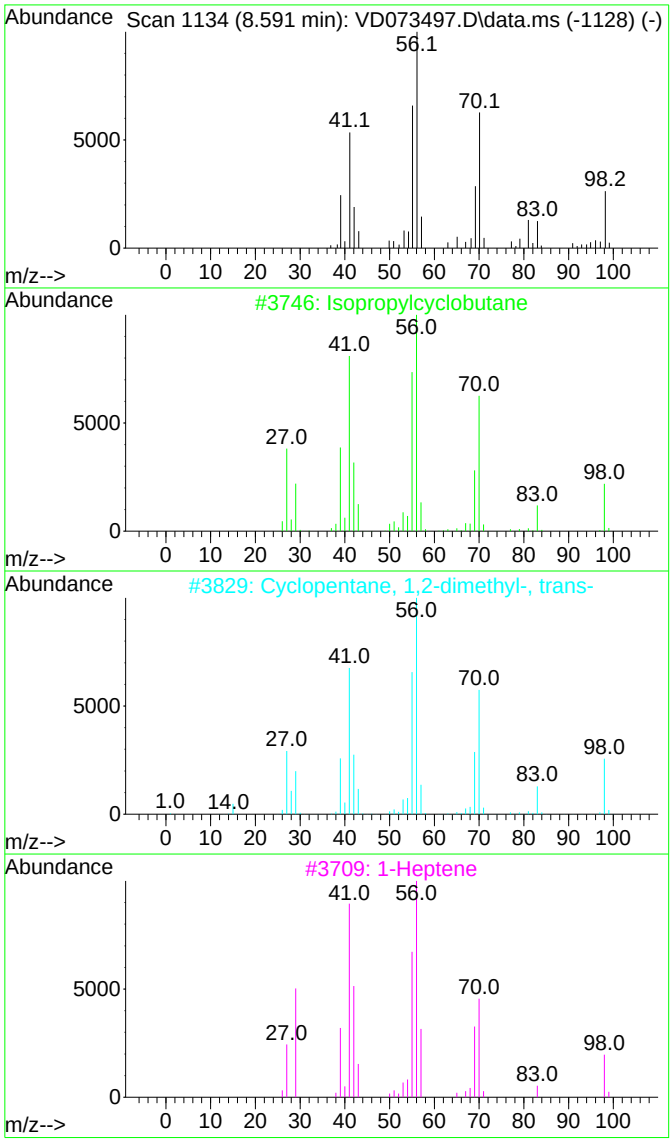
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

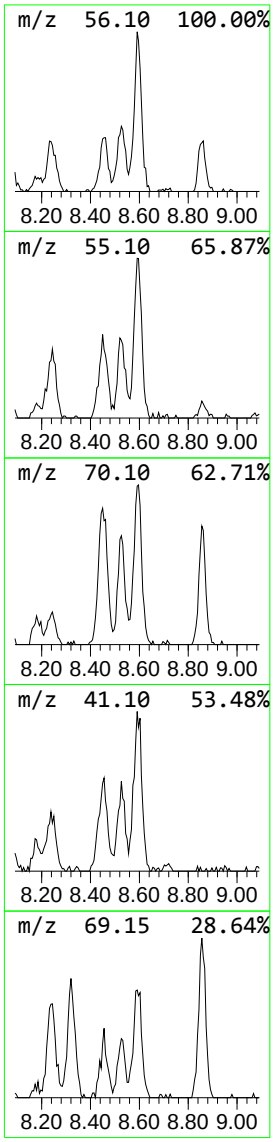
****

Peak Number 3 Isopropylcyclobutane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.591	7.74 ug/l	220917	1,4-Difluorobenzene	8.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	90
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
3	1-Heptene	98	C7H14	000592-76-7	64
4	3-Heptene, (E)-	98	C7H14	014686-14-7	58
5	(Z)-2-Heptene	98	C7H14	006443-92-1	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

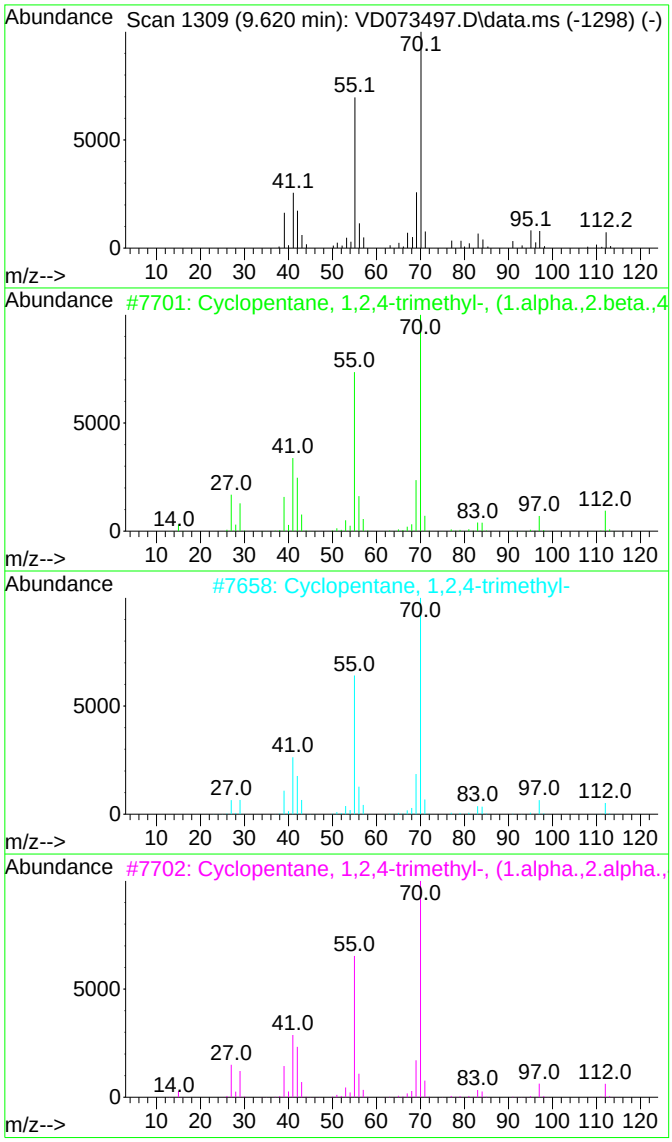
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

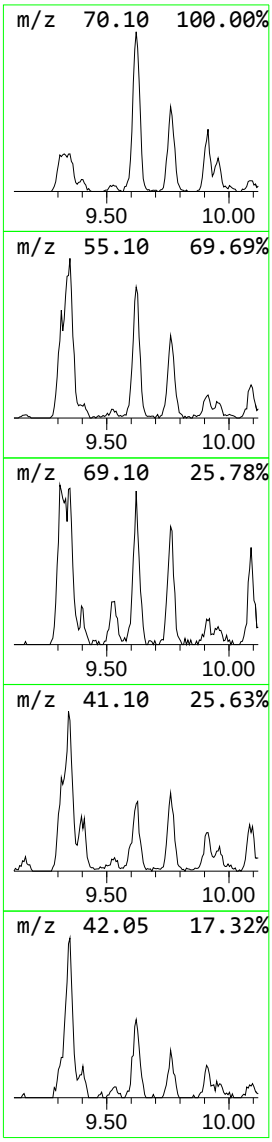
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentane, 1,2,4-trimeth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.620	8.87 ug/l	253208	1,4-Difluorobenzene	8.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	83
4	Heptane, 3-methylene-	112	C8H16	001632-16-2	83
5	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
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Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

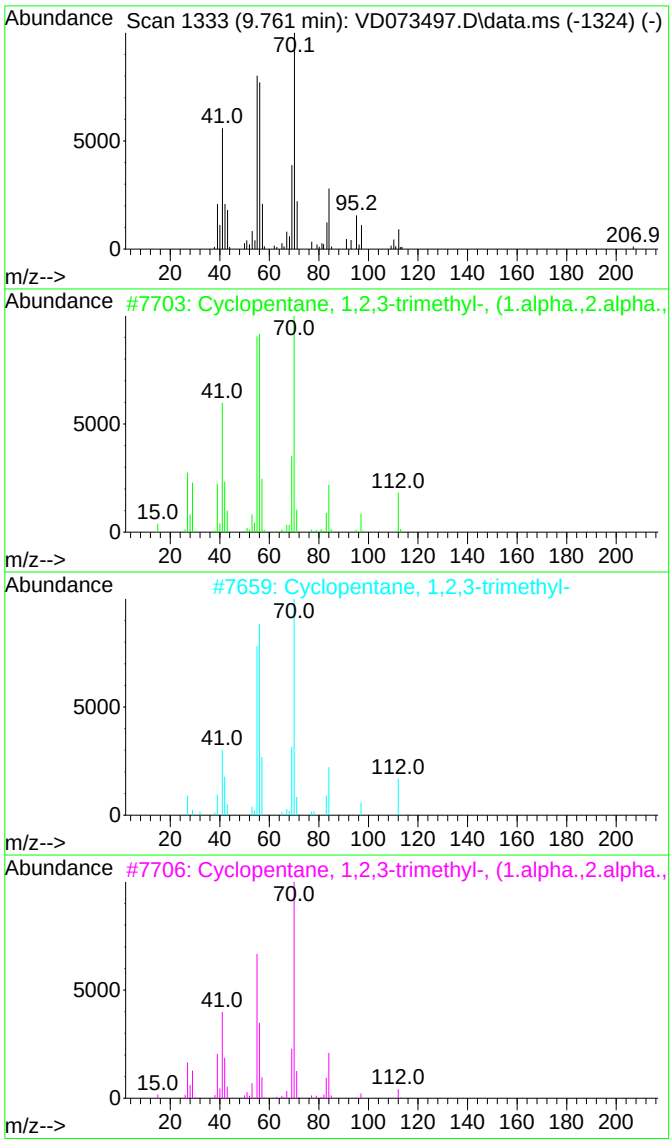
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

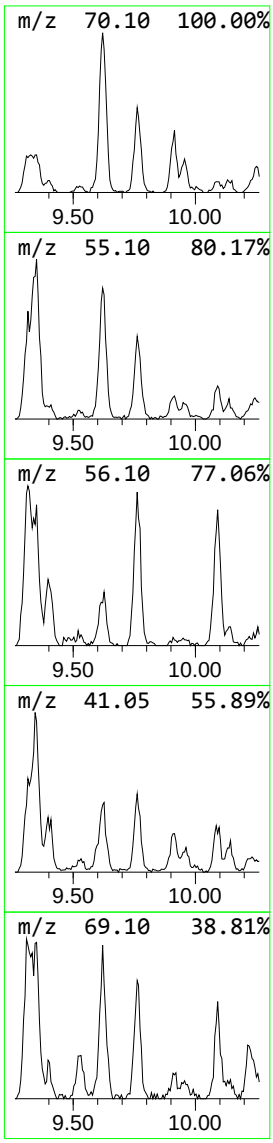
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopentane, 1,2,3-trimeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.761	6.82 ug/l	194746	1,4-Difluorobenzene	8.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	64
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	50
5	2-Nonene, 3-methyl-, (E)-	140	C10H20	017003-99-5	43





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Operator : VA/SY
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

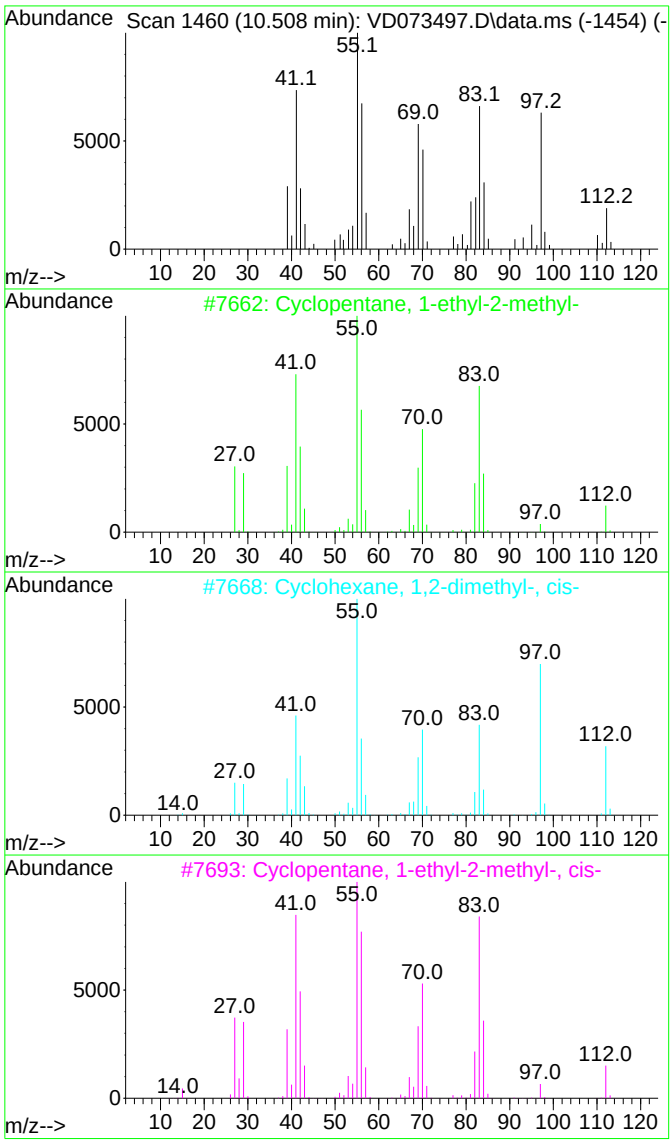
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

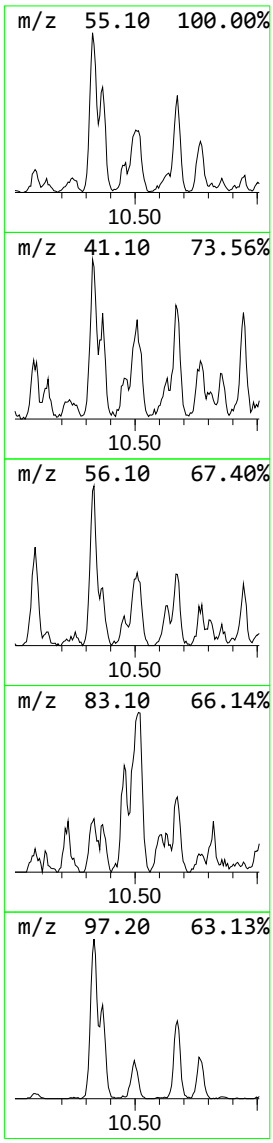
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, 1-ethyl-2-met... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.508	7.63 ug/l	287642	Chlorobenzene-d5	11.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	72
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	72
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	53
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	52
5	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1010338-28-2	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

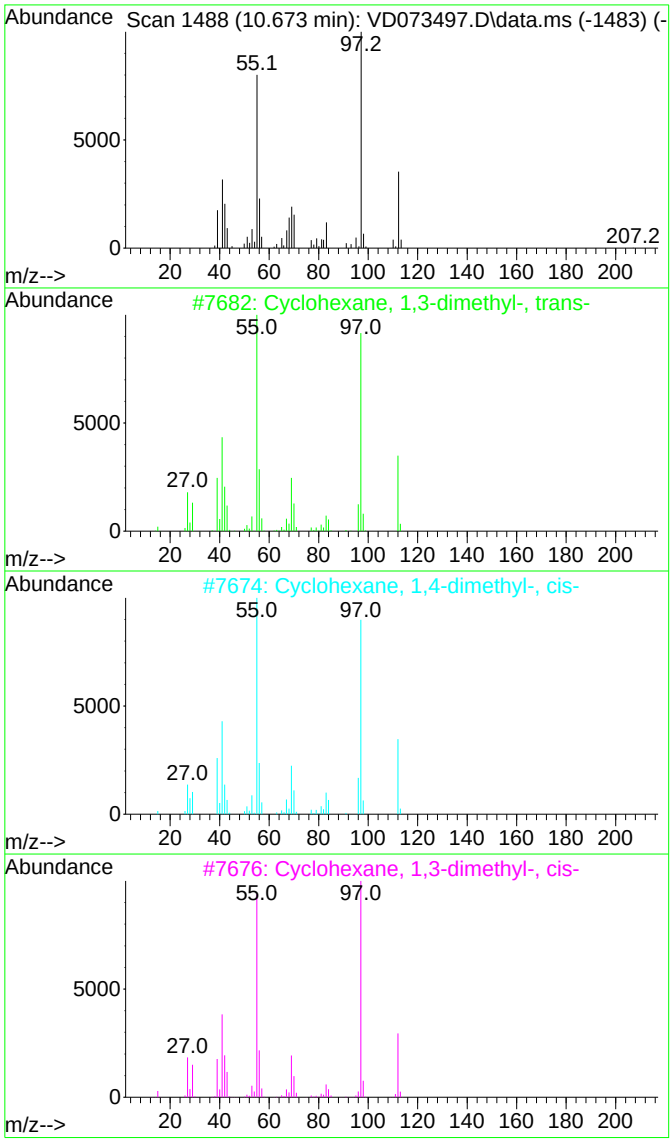
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

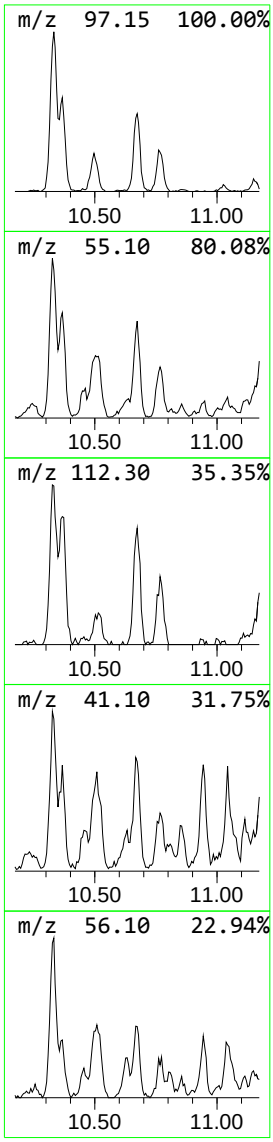
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.673	6.58 ug/l	247867	Chlorobenzene-d5	11.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
4	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	90
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90





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Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

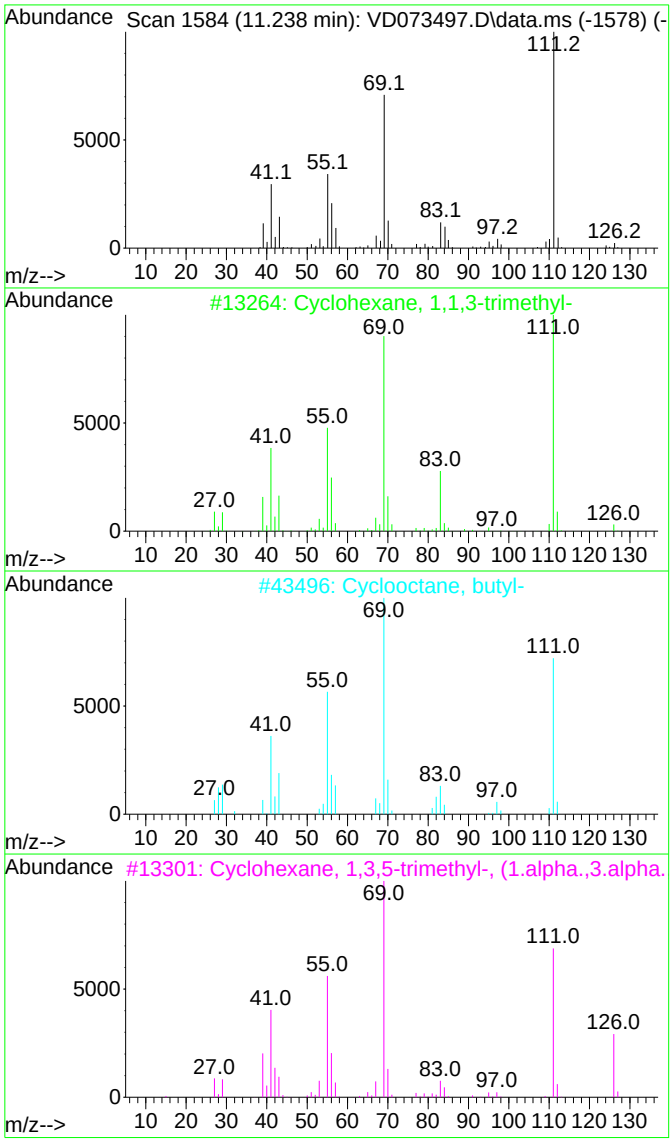
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

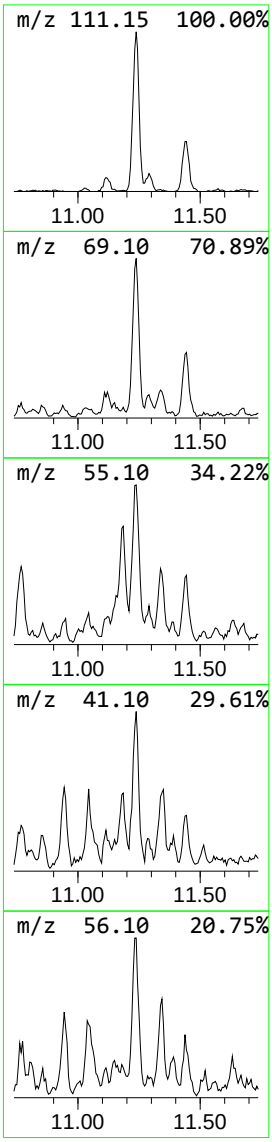
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.238	12.05 ug/l	454267	Chlorobenzene-d5	11.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	74
2	Cyclooctane, butyl-	168	C12H24	016538-93-5	47
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	45
4	Cyclohexane-1-carboxamide, N-(1-...	238	C14H26N2O	1000269-92-1	45
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

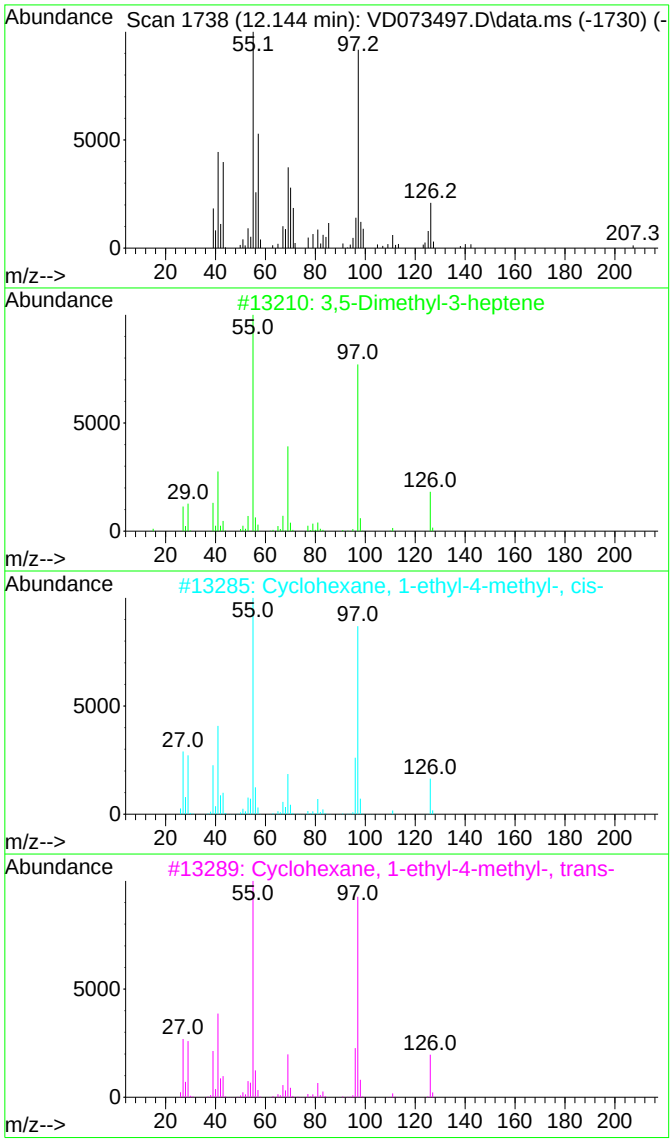
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260

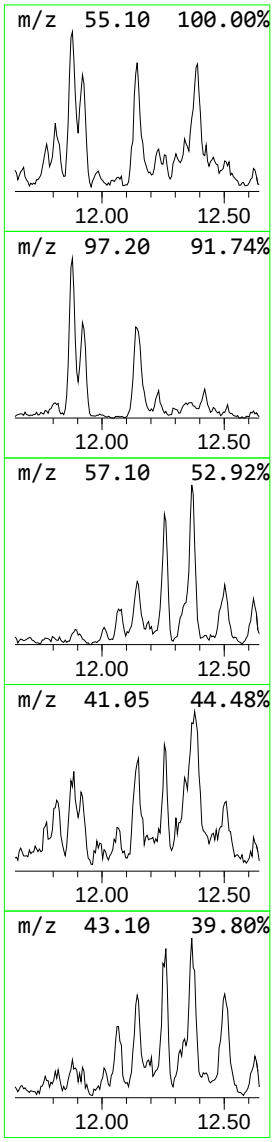
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 3,5-Dimethyl-3-heptene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.144	6.90 ug/l	259977	Chlorobenzene-d5	11.632

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	62
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060722\
Data File : VD073497.D
Acq On : 07 Jun 2022 14:07
Operator : VA/SY
Sample : N3168-01
Misc : 7.75G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HELENS-0602

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.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, 3-methyl-	5.485	6.9	ug/l	133665	1	7.973	963450	50.0
Pentane, 2,3-di...	8.061	9.0	ug/l	172900	1	7.973	963450	50.0
Isopropylcyclob...	8.591	7.7	ug/l	220917	2	8.855	1427690	50.0
Cyclopentane, 1...	9.620	8.9	ug/l	253208	2	8.855	1427690	50.0
Cyclopentane, 1...	9.761	6.8	ug/l	194746	2	8.855	1427690	50.0
Cyclopentane, 1...	10.508	7.6	ug/l	287642	3	11.632	1884390	50.0
Cyclohexane, 1,...	10.673	6.6	ug/l	247867	3	11.632	1884390	50.0
Cyclohexane, 1,...	11.238	12.1	ug/l	454267	3	11.632	1884390	50.0
3,5-Dimethyl-3-...	12.144	6.9	ug/l	259977	3	11.632	1884390	50.0