LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TEST-PIT-01-GRAB

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\82D021221S.M
Title : SW846 8260

Signal : TIC: VD068435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.162	374	381	387	rBV2	10054	26367	1.15%	0.147%
2	4.415	412	424	435	rBV	47214	138578	6.05%	0.773%
3	7.920	1009	1020	1025	rBV2	295772	724744	31.64%	4.043%
4	7.985	1025	1031	1041	rVB	485068	1111275	48.52%	6.200%
5	8.332	1080	1090	1101	rBV	259690	578518	25.26%	3.227%
6	8.867	1172	1181	1193	rBV	800792	1591718	69.50%	8.880%
7	10.344	1424	1432	1449	rBV	1289866	2290375	100.00%	12.778%
8	11.250	1580	1586	1590	rVB2	14602	24139	1.05%	0.135%
9	11.455	1613	1621	1628	rVB6	30910	66930	2.92%	0.373%
10	11.644	1644	1653	1662	rBV	1039979	1858669	81.15%	10.369%
11	11.838	1681	1686	1691	rBV3	36926	80264	3.50%	0.448%
12	11.897	1692	1696	1707	rVB8	27899	94741	4.14%	0.529%
13	11.985	1707	1711	1717	rBV4	11588	22967	1.00%	0.128%
14	12.049	1717	1722	1731	rVB3	31758	62050	2.71%	0.346%
15	12.144	1731	1738	1744	rBV4	76656	205968	8.99%	1.149%
16	12.214	1745	1750	1762	rVB6	57918	168176	7.34%	0.938%
17	12.314	1762	1767	1768	rBV2	34396	41606	1.82%	0.232%
18	12.349	1769	1773	1780	rVV4	49788	91242	3.98%	0.509%
19	12.455	1784	1791	1803	rBV7	121882	289783	12.65%	1.617%
20	12.579	1807	1812	1815	rBV	60792	82962	3.62%	0.463%
21	12.632	1815	1821	1828	rVB	794598	1327056	57.94%	7.404%
22	12.726	1828	1837	1841	rBV6	81497	234047	10.22%	1.306%
23	12.796	1845	1849	1856	rVB5	127758	259947	11.35%	1.450%
24	12.902	1856	1867	1871	rBV8	66413	235763	10.29%	1.315%
25	12.961	1871	1877	1883	rVB5	124022	244608	10.68%	1.365%
26	13.038	1883	1890	1896	rBV7	49487	125708	5.49%	0.701%
27	13.102	1896	1901	1909	rVB4	122974	267568	11.68%	1.493%
28	13.214	1909	1920	1925	rVB7	73177	190158	8.30%	1.061%
29	13.279	1925	1931	1937	rBV6	63221	171555	7.49%	0.957%
30	13.344	1939	1942	1946	rVB4	46407	68189	2.98%	0.380%
31	13.396	1946	1951	1954	rBV5	41687	80499	3.51%	0.449%
32	13.573	1974	1981	1990	rVB	867708	1457206	63.62%	8.130%
33	13.644	1990	1993	1999	rVV5	31886	55244	2.41%	0.308%
34	13.708	1999	2004	2009	rVV4	38107	80209	3.50%	0.447%
35	13.773	2009	2015	2026	rVV	1263683	2110544	92.15%	11.775%
36	13.896	2030	2036	2043	rBV4	108661	204626	8.93%	1.142%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TEST-PIT-01-GRAB

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\82D021221S.M
Title : SW846 8260

37	14.114	2068	2073	2080	rVV5	62916	136982	5.98%	0.764%
38	14.173	2081	2083	2087	rVV3	19316	24887	1.09%	0.139%
39	14.226	2087	2092	2096	rVV	87645	144796	6.32%	0.808%
40	14.279	2096	2101	2109	rVV3	126972	251280	10.97%	1.402%
41	14.361	2110	2115	2119	rVV2	61212	99747	4.36%	0.556%
42	14.438	2119	2128	2139	rVB4	111017	277695	12.12%	1.549%
43	14.549	2145	2147	2153	rVB5	18380	28244	1.23%	0.158%
44	14.714	2170	2175	2181	rBV3	37984	66051	2.88%	0.368%
45	14.761	2181	2183	2188	rVV3	13815	24030	1.05%	0.134%
46	14.832	2188	2195	2201	rVB3	89252	171368	7.48%	0.956%
47	15.026	2224	2228	2234	rVB6	21772	35609	1.55%	0.199%

Sum of corrected areas: 17924688

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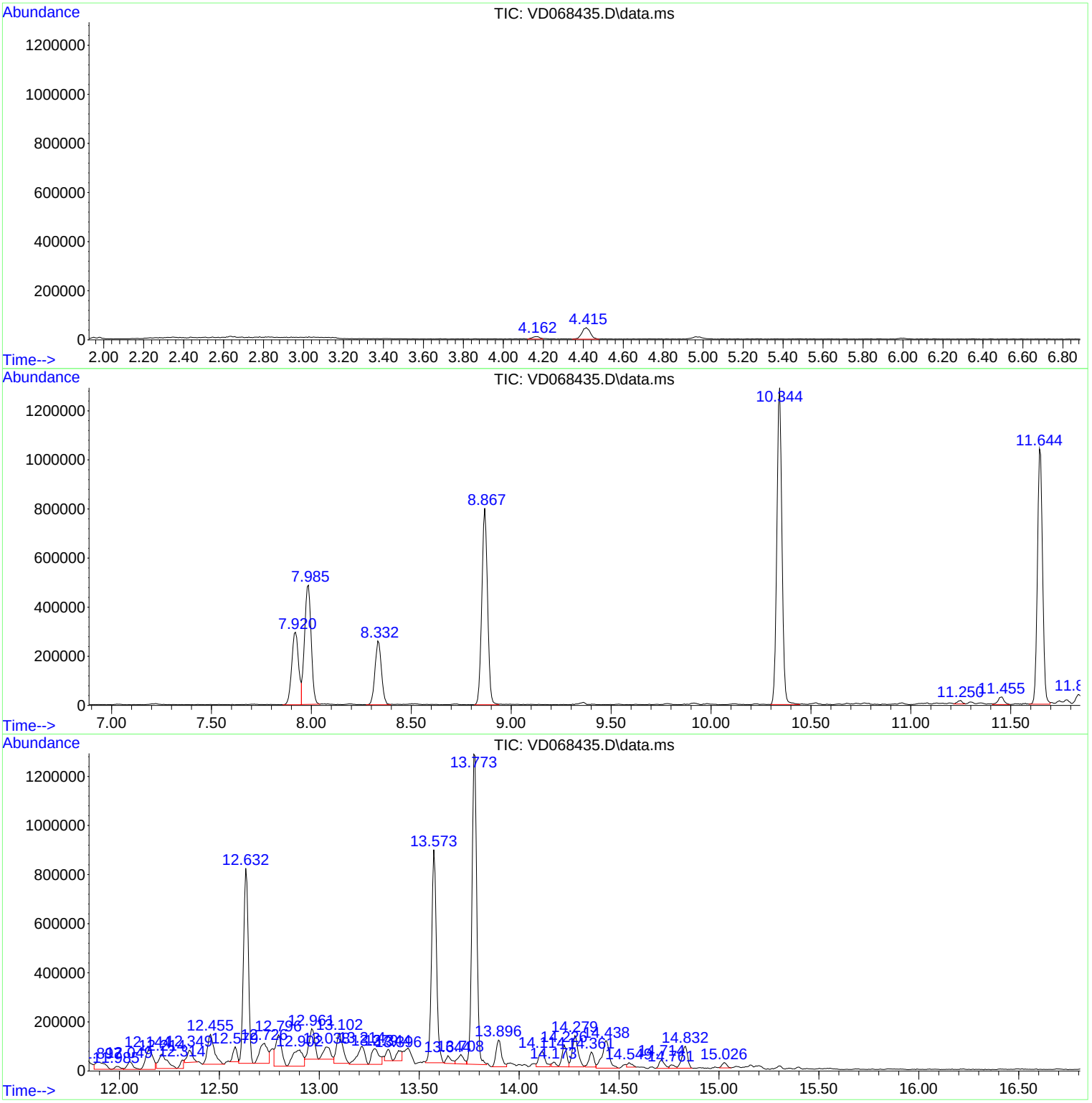
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

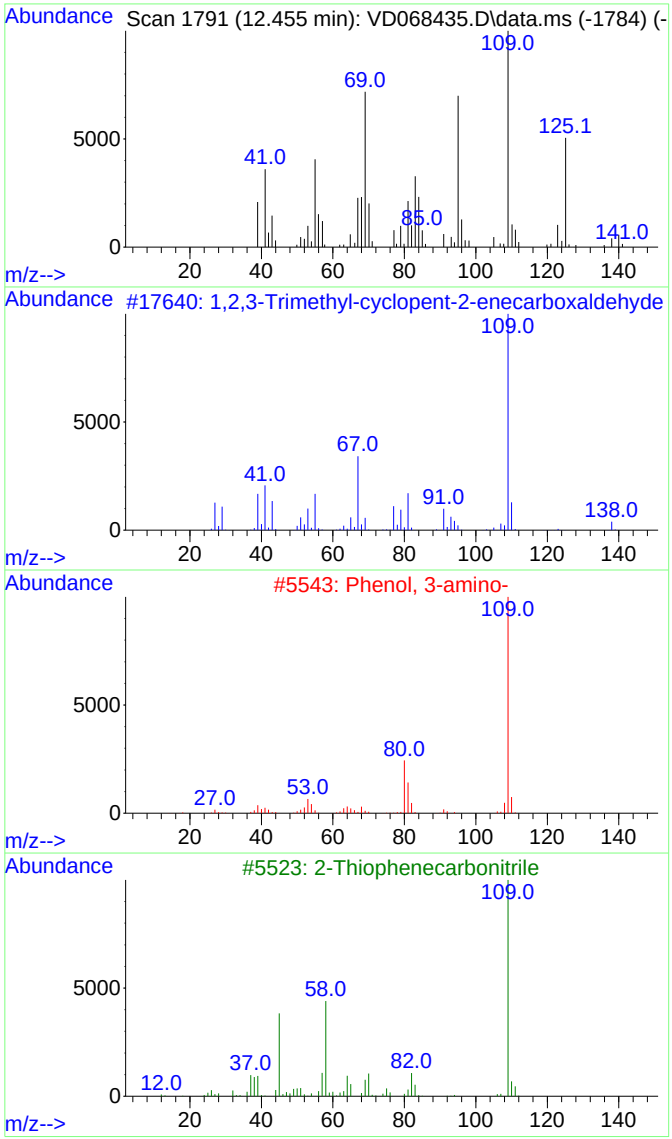
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

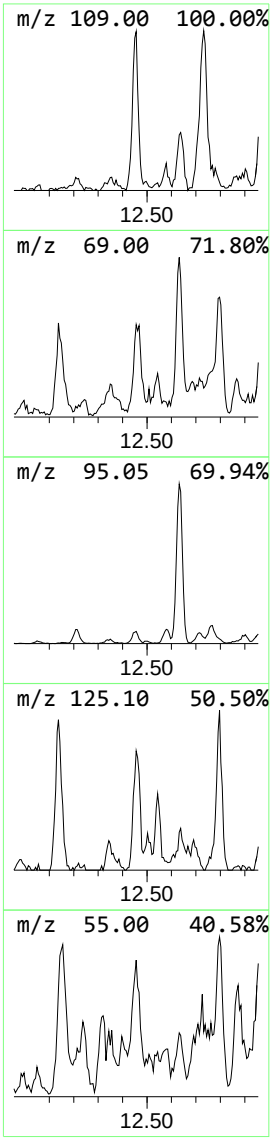
****

Peak Number 1 unknown12.455 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.455	7.80 ug/l	289783	Chlorobenzene-d5	11.644

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3-Trimethyl-cyclopent-2-enec...	138	C9H14O	1000190-18-1	25
2	Phenol, 3-amino-	109	C6H7NO	000591-27-5	22
3	2-Thiophenecarbonitrile	109	C5H3NS	001003-31-2	22
4	1H-Pyrrole-2-carboxaldehyde, 1-m...	109	C6H7NO	001192-58-1	14
5	3-Oxabicyclo[3.2.1]octane-2,4-di...	182	C10H14O3	000595-31-3	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

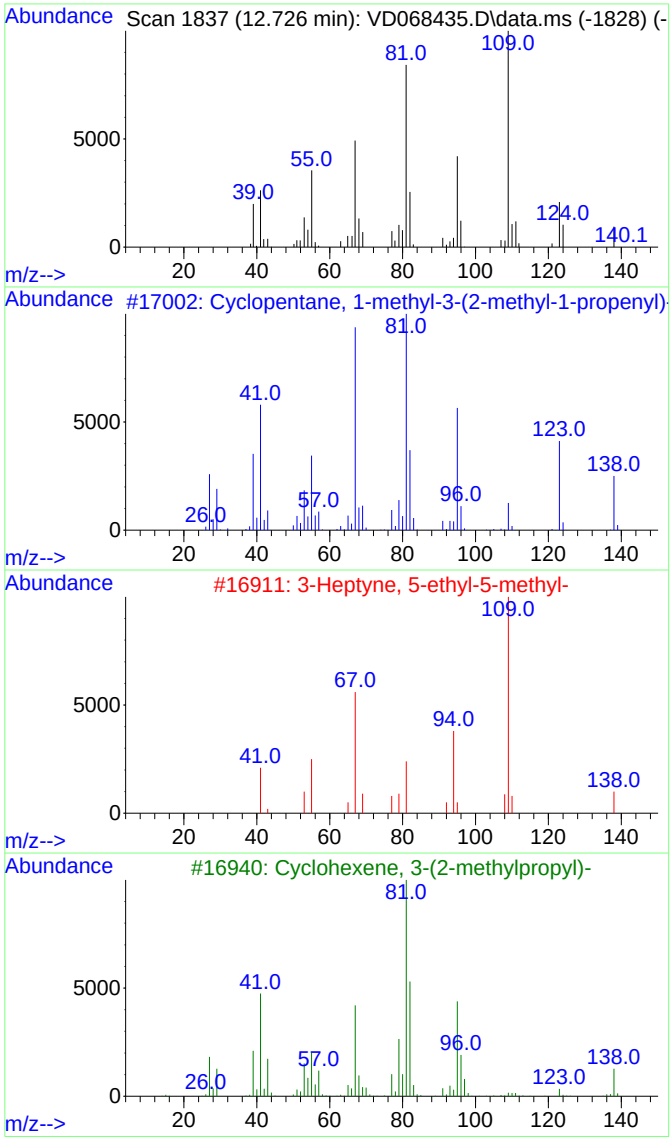
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

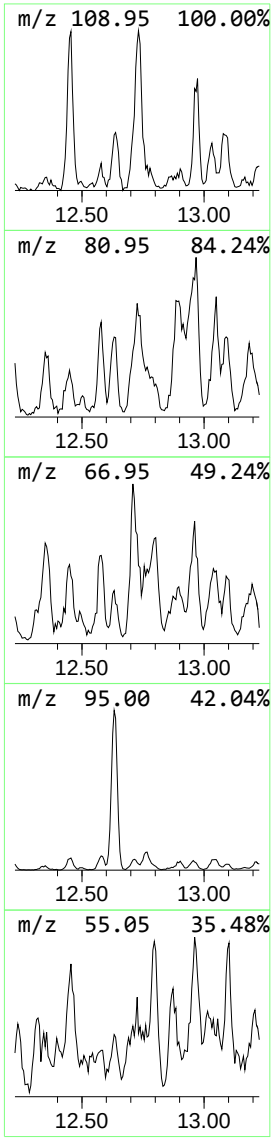
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, 1-methyl-3-(2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.726	8.03 ug/l	234047	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(2-meth...	138	C10H18	075873-01-7	64
2	3-Heptyne, 5-ethyl-5-methyl-	138	C10H18	061228-10-2	43
3	Cyclohexene, 3-(2-methylpropyl)-	138	C10H18	004104-56-7	43
4	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	43
5	1-Decyne	138	C10H18	000764-93-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

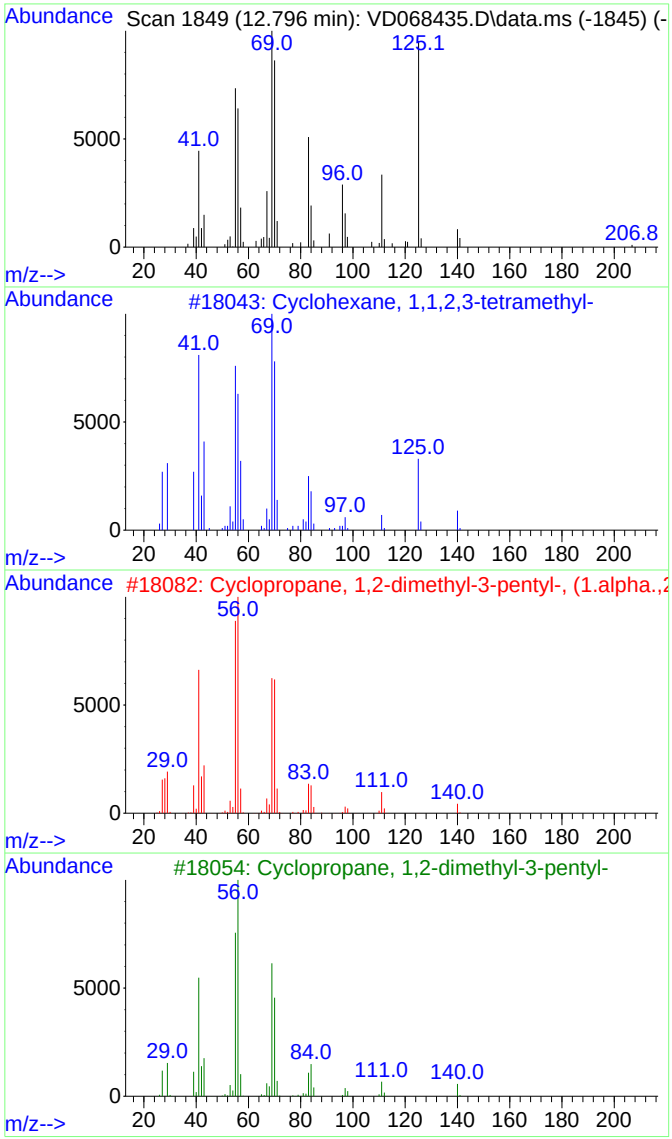
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

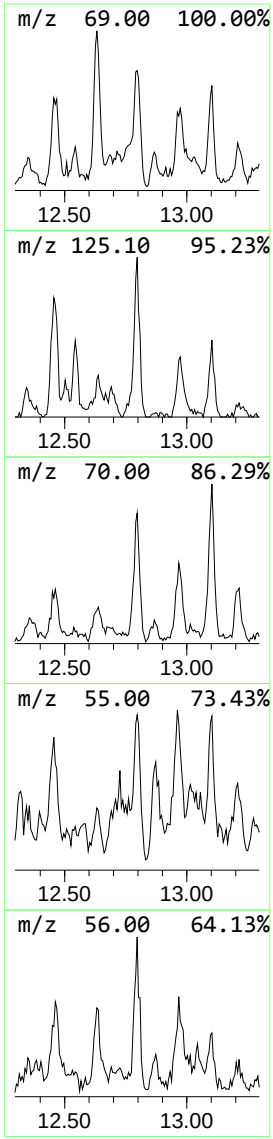
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.797	8.92 ug/l	259947	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
2	Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-10-2	38
3	Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-05-5	35
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	30
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

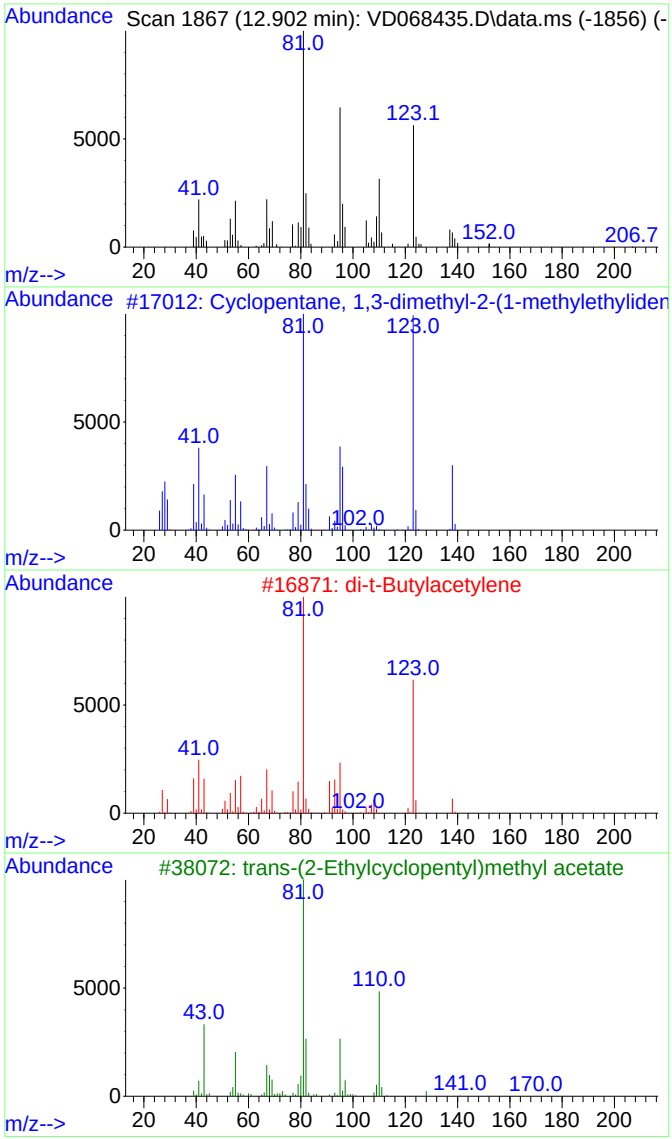
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

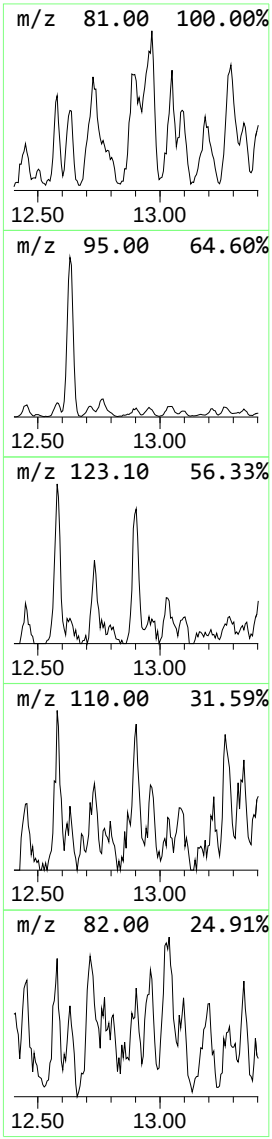
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentane, 1,3-dimethyl-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	8.09 ug/l	235763	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	62
2	di-t-Butylacetylene	138	C10H18	017530-24-4	55
3	trans-(2-Ethylcyclopentyl)methyl...	170	C10H18O2	1000099-13-9	47
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	45
5	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
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Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

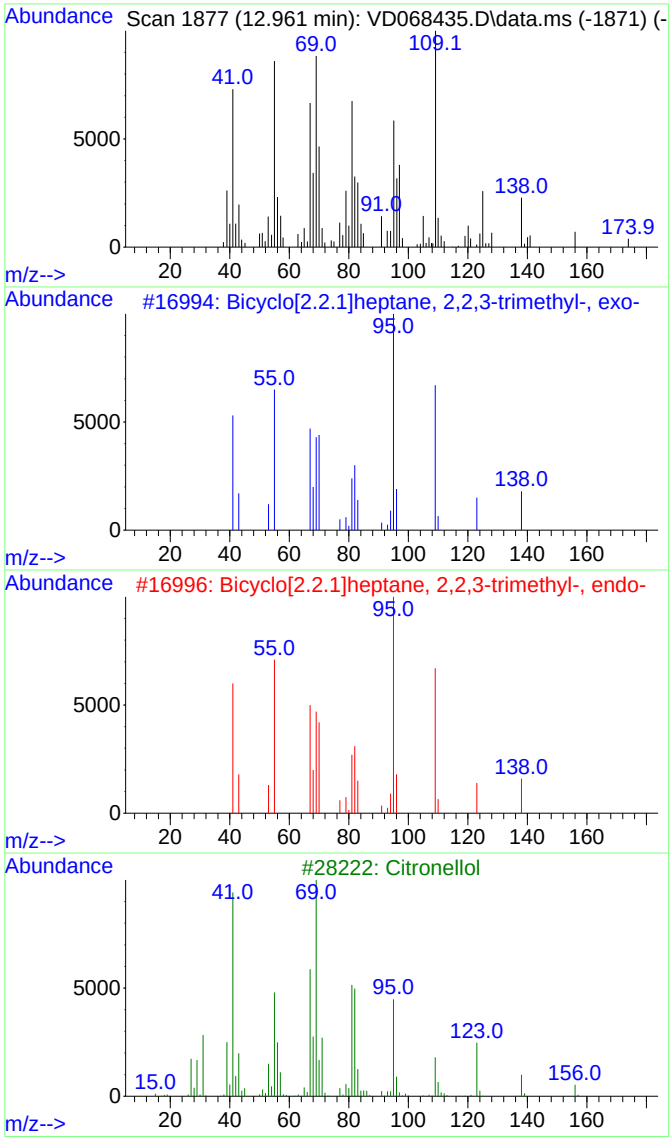
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

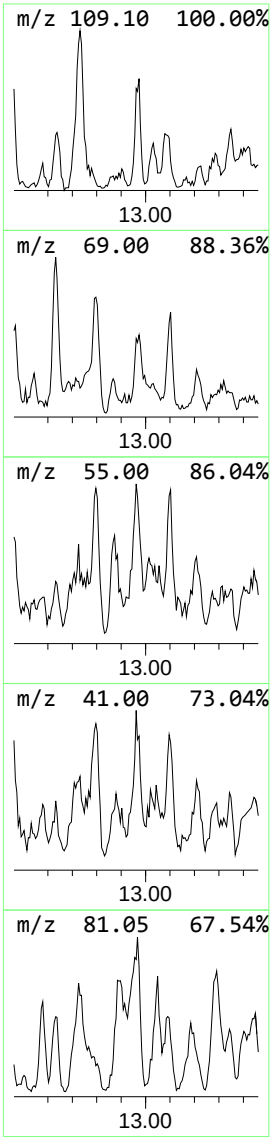
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown12.961 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.961	8.39 ug/l	244608	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	46
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	46
3	Citronellol	156	C10H20O	000106-22-9	43
4	Cyclooctene, 1,2-dimethyl-	138	C10H18	054299-96-6	38
5	Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	30





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Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

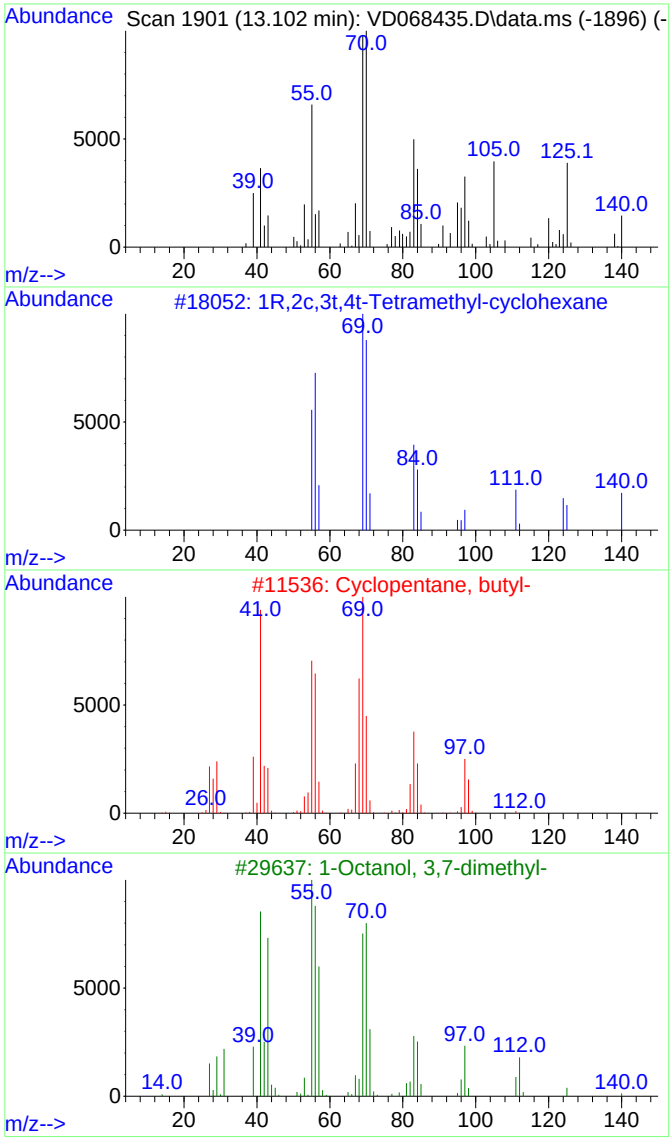
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

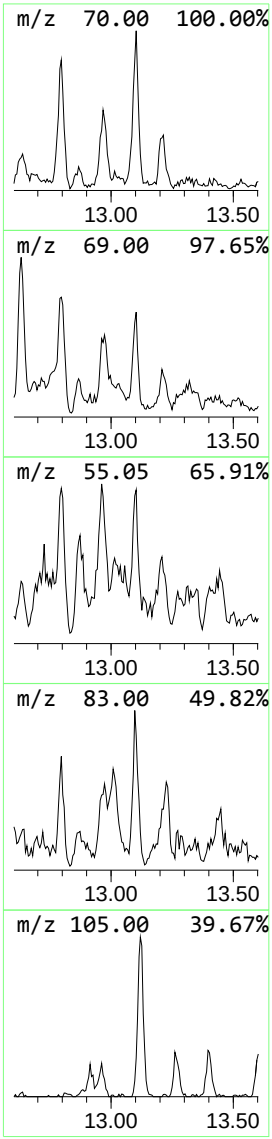
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1R,2c,3t,4t-Tetramethyl-cyc... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.102	9.18 ug/l	267568	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	59
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	47
3	1-Octanol, 3,7-dimethyl-	158	C10H22O	000106-21-8	45
4	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	45
5	1-Decanol	158	C10H22O	000112-30-1	43





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MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

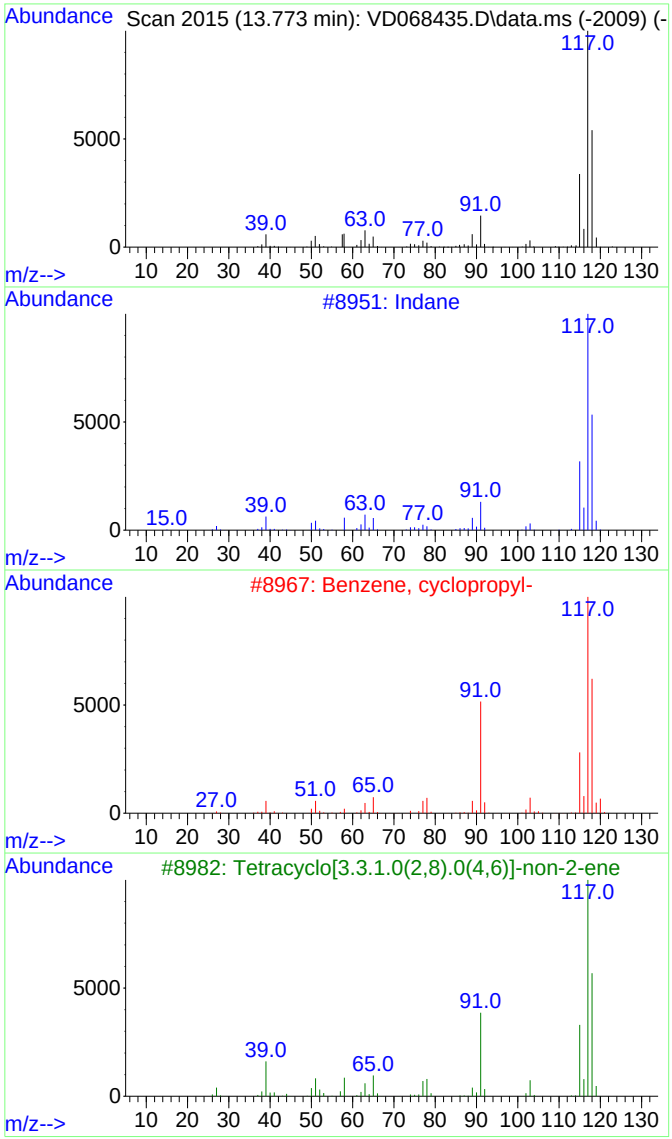
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

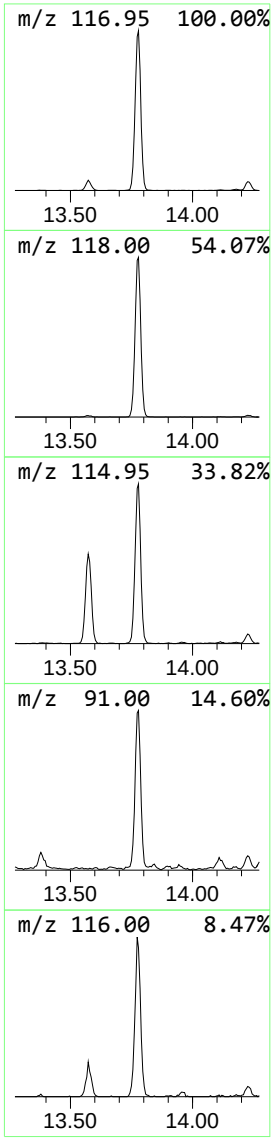
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.773	72.42 ug/l	2110540	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

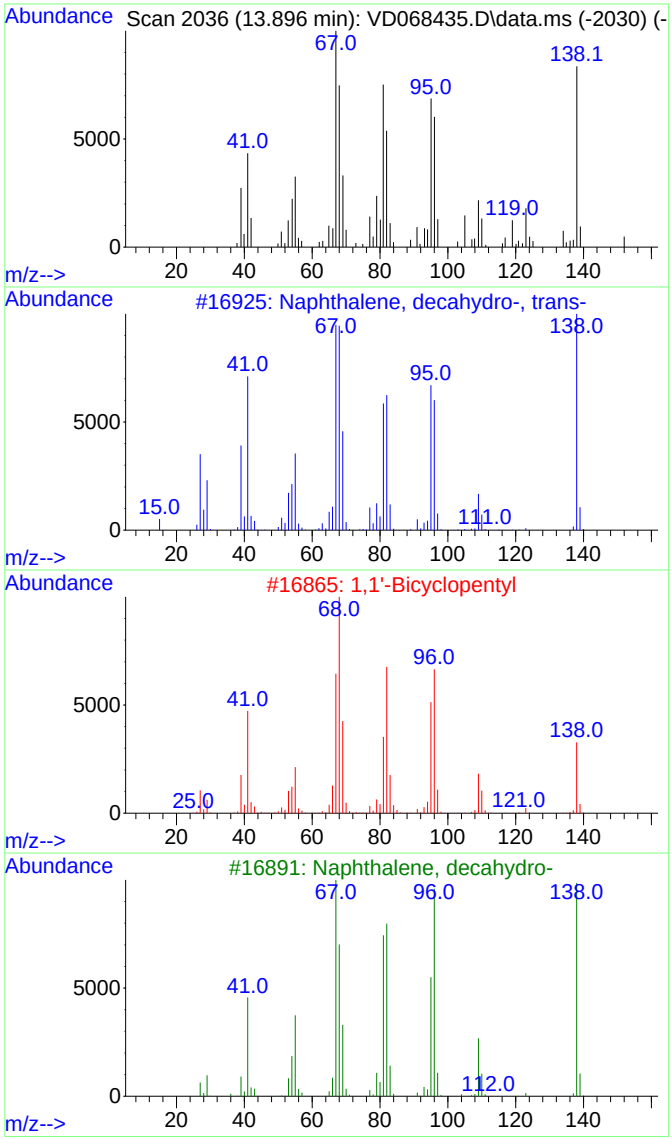
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

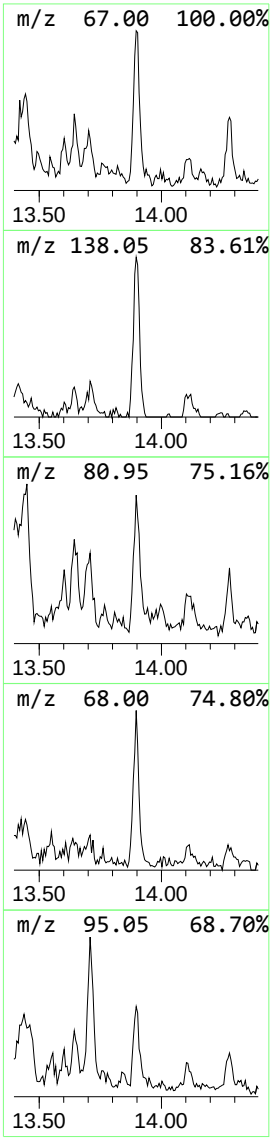
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-, tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.896	7.02 ug/l	204626	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	92
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	83
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TEST-PIT-01-GRAB

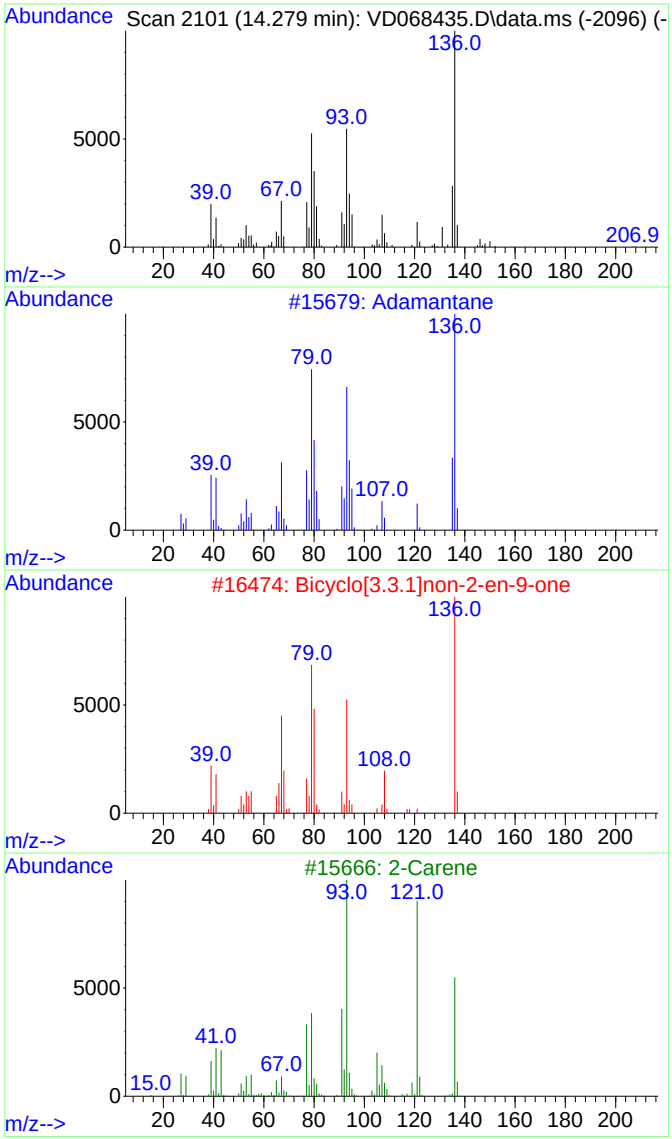
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
Quant Title : SW846 8260

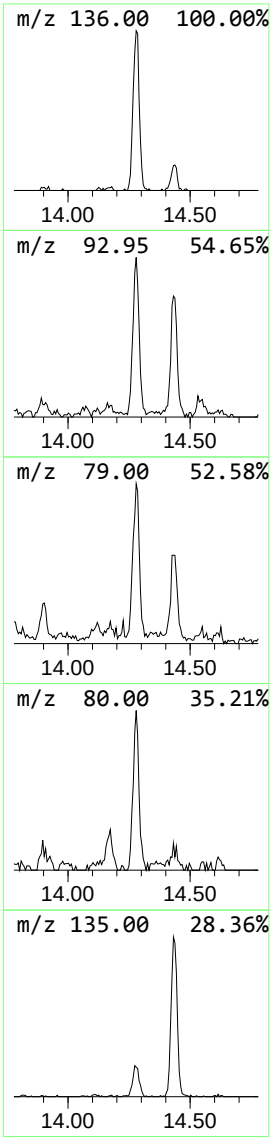
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Adamantane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.279	8.62 ug/l	251280	1,4-Dichlorobenzene-d4	13.573

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	68
3	2-Carene	136	C10H16	000554-61-0	58
4	.gamma.-Terpinene	136	C10H16	000099-85-4	50
5	1,4-Benzenediamine, 2,3-dimethyl-	136	C8H12N2	005306-96-7	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022421\
Data File : VD068435.D
Acq On : 24 Feb 2021 14:14
Operator : VA/SY
Sample : M1472-01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TEST-PIT-01-GRAB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.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
unknown12.455	12.455	7.8	ug/l	289783	3	11.644	1858670	50.0
Cyclopentane, 1...	12.726	8.0	ug/l	234047	4	13.573	1457210	50.0
Cyclohexane, 1,...	12.797	8.9	ug/l	259947	4	13.573	1457210	50.0
Cyclopentane, 1...	12.902	8.1	ug/l	235763	4	13.573	1457210	50.0
unknown12.961	12.961	8.4	ug/l	244608	4	13.573	1457210	50.0
1R,2c,3t,4t-Tet...	13.102	9.2	ug/l	267568	4	13.573	1457210	50.0
Indane	13.773	72.4	ug/l	2110540	4	13.573	1457210	50.0
Naphthalene, de...	13.896	7.0	ug/l	204626	4	13.573	1457210	50.0
Adamantane	14.279	8.6	ug/l	251280	4	13.573	1457210	50.0