LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
Operator : SY/VA
Sample : K1871-05
Misc : 8.04G/5ML/MSVOA W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

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_W\METHOD\82W030719S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.325	64	69	78	rBV3	27602	56698	1.50%	0.139%
2	2.812	144	149	155	rBV	20605	38420	1.02%	0.094%
3	4.135	357	366	375	rBV2	30766	80642	2.13%	0.197%
4	4.909	484	493	507	rBV3	22268	84802	2.24%	0.208%
5	5.123	518	528	544	rVB	48922	182516	4.83%	0.447%
6	7.147	849	860	876	rBV	231256	652516	17.25%	1.597%
7	7.885	969	981	986	rBV	209122	510180	13.49%	1.249%
8	7.946	986	991	1000	rVB	381875	833409	22.04%	2.040%
9	8.263	1029	1043	1044	rBV2	37920	92395	2.44%	0.226%
10	8.305	1044	1050	1062	rVB	223617	485289	12.83%	1.188%
11	8.842	1129	1138	1150	rBV	562466	1111497	29.39%	2.720%
12	9.299	1206	1213	1217	rBV5	16838	40157	1.06%	0.098%
13	10.323	1373	1381	1390	rBV	829031	1429837	37.81%	3.500%
14	10.707	1439	1444	1449	rBV	33329	61981	1.64%	0.152%
15	11.231	1525	1530	1535	rVB	23428	38975	1.03%	0.095%
16	11.433	1561	1563	1571	rVB5	27708	51151	1.35%	0.125%
17	11.512	1571	1576	1580	rBV2	28206	47251	1.25%	0.116%
18	11.628	1587	1595	1605	rBV	628780	1104463	29.20%	2.703%
19	11.878	1630	1636	1640	rBV4	26029	49170	1.30%	0.120%
20	12.140	1671	1679	1684	rBV4	76592	175606	4.64%	0.430%
21	12.256	1691	1698	1702	rVB	114302	194558	5.14%	0.476%
22	12.329	1702	1710	1712	rBV5	63031	139422	3.69%	0.341%
23	12.365	1713	1716	1723	rVV3	94658	169803	4.49%	0.416%
24	12.439	1723	1728	1732	rVV7	36026	85022	2.25%	0.208%
25	12.506	1732	1739	1741	rVV5	57063	151553	4.01%	0.371%
26	12.542	1742	1745	1751	rVB3	109172	179404	4.74%	0.439%
27	12.615	1751	1757	1766	rBV2	509372	922467	24.39%	2.258%
28	12.701	1767	1771	1776	rBV6	42483	76972	2.04%	0.188%
29	12.780	1780	1784	1790	rVB4	104367	200180	5.29%	0.490%
30	12.859	1790	1797	1804	rBV7	78536	259385	6.86%	0.635%
31	12.945	1804	1811	1816	rBV4	148316	341740	9.04%	0.836%
32	12.993	1816	1819	1824	rVB6	64295	102762	2.72%	0.252%
33	13.079	1829	1833	1837	rBV3	120314	165418	4.37%	0.405%
34	13.134	1837	1842	1844	rBV3	120557	210860	5.58%	0.516%

LSC Area Percent Report

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Operator : SY/VA
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Misc : 8.04G/5ML/MSVOA W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

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_W\METHOD\82W030719S.M
Title : SW846 8260

35	13.164	1844	1847	1852	rVB	296864	398686	10.54%	0.976%
36	13.298	1861	1869	1872	rBV4	170888	306243	8.10%	0.750%
37	13.341	1873	1876	1880	rVV3	132919	208639	5.52%	0.511%
38	13.384	1880	1883	1885	rVV3	73132	103550	2.74%	0.253%
39	13.451	1886	1894	1897	rVV7	280445	674633	17.84%	1.651%
40	13.487	1897	1900	1904	rVV2	276219	422352	11.17%	1.034%
41	13.560	1908	1912	1920	rVB	311319	632400	16.72%	1.548%
42	13.627	1920	1923	1928	rBV4	41638	65006	1.72%	0.159%
43	13.743	1938	1942	1945	rBV4	62391	86264	2.28%	0.211%
44	13.877	1959	1964	1968	rBV4	487418	907214	23.99%	2.220%
45	13.920	1968	1971	1976	rVB2	252751	378589	10.01%	0.927%
46	13.981	1977	1981	1985	rBV4	291155	537348	14.21%	1.315%
47	14.200	2013	2017	2021	rBV3	211253	354752	9.38%	0.868%
48	14.268	2022	2028	2034	rBV4	542047	1043772	27.60%	2.555%
49	14.322	2034	2037	2039	rBV3	234108	328335	8.68%	0.804%
50	14.389	2043	2048	2057	rVV4	1072039	2305182	60.95%	5.642%
51	14.554	2067	2075	2079	rBV3	602070	1541296	40.75%	3.772%
52	14.603	2080	2083	2089	rVB4	435038	750559	19.85%	1.837%
53	14.743	2103	2106	2111	rVB4	256879	349350	9.24%	0.855%
54	14.804	2111	2116	2119	rBV	1051561	1939583	51.28%	4.747%
55	14.847	2119	2123	2130	rVB3	1828031	3782042	100.00%	9.257%
56	15.011	2147	2150	2154	rVB2	583114	756424	20.00%	1.851%
57	15.133	2166	2170	2172	rBV3	602575	901070	23.82%	2.205%
58	15.273	2189	2193	2198	rVB	1197648	1980472	52.37%	4.847%
59	15.334	2199	2203	2209	rVB	1781032	2872768	75.96%	7.031%
60	15.408	2209	2215	2220	rBV4	1260395	2963749	78.36%	7.254%
61	16.224	2346	2349	2353	rVB	917479	1337228	35.36%	3.273%
62	16.298	2357	2361	2369	rVB3	1214677	2603719	68.84%	6.373%

Sum of corrected areas: 40857726

LSC Report - Integrated Chromatogram

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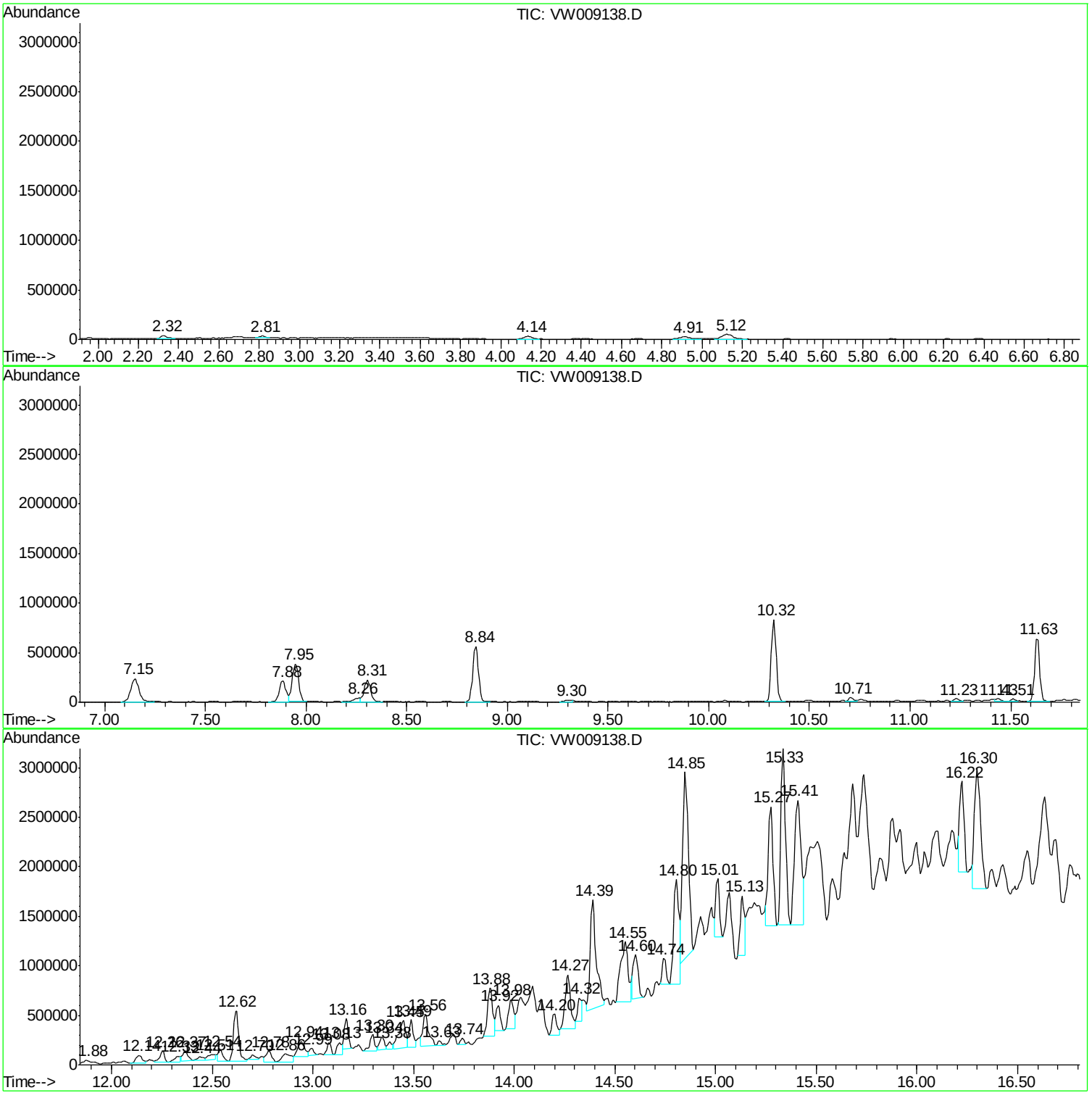
Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
Operator : SY/VA
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Quant Title : SW846 8260

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

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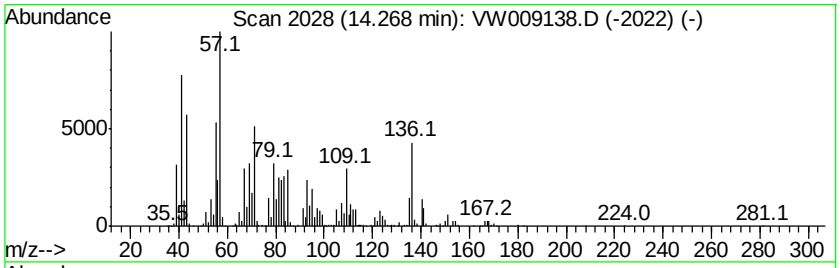
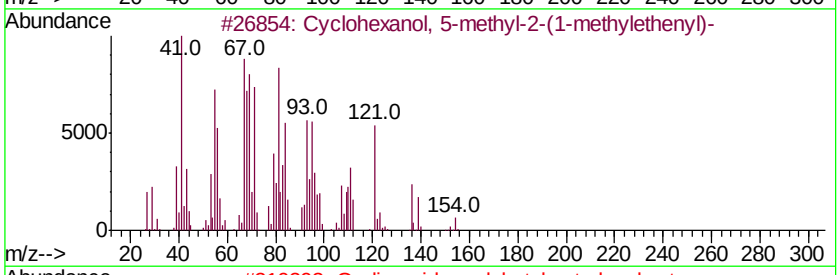
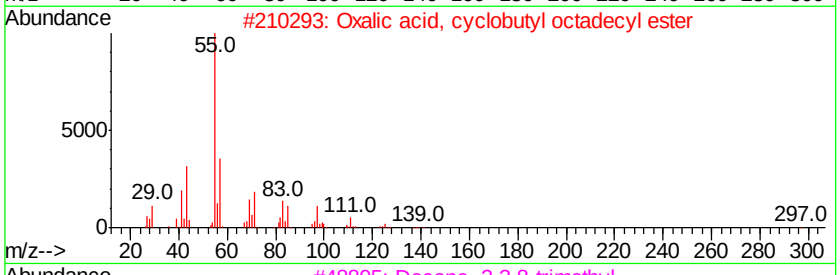
Peak Number 1 unknown14.27 Concentration Rank 10

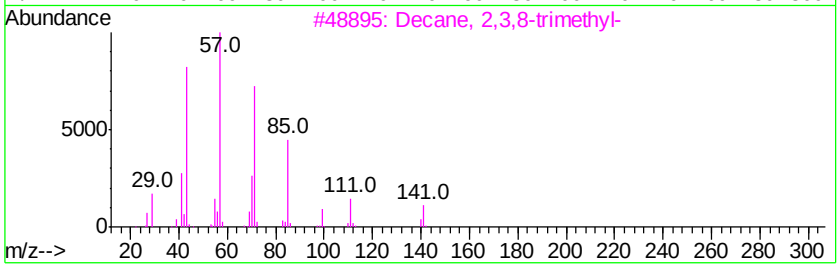
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	82.52 ug/l	1043770	1,4-Dichlorobenzene-d4	13.56

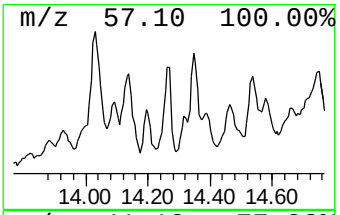
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	154	C10H18O	007786-67-6	38
2	Oxalic acid, cyclobutyl octadecy...	396	C24H44O4	1000309-70-8	27
3	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	27
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	25
5	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	25

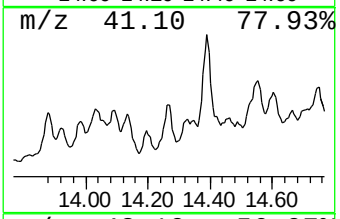


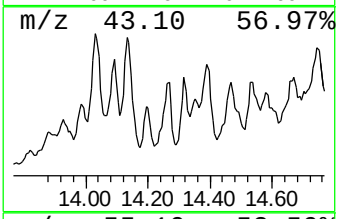


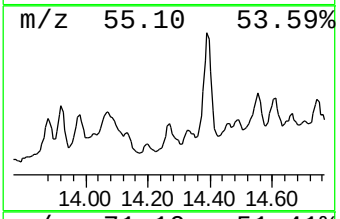


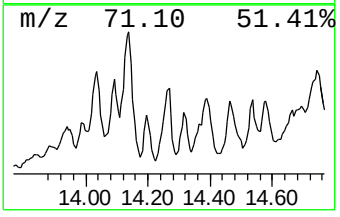












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ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

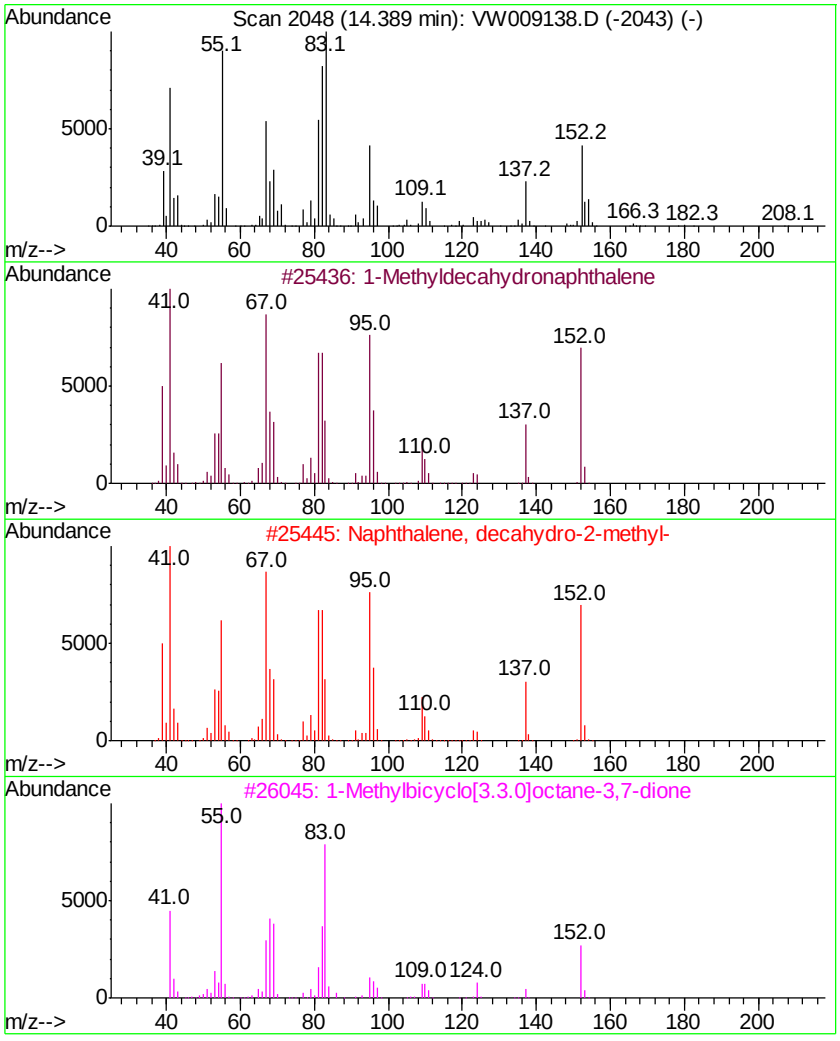
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

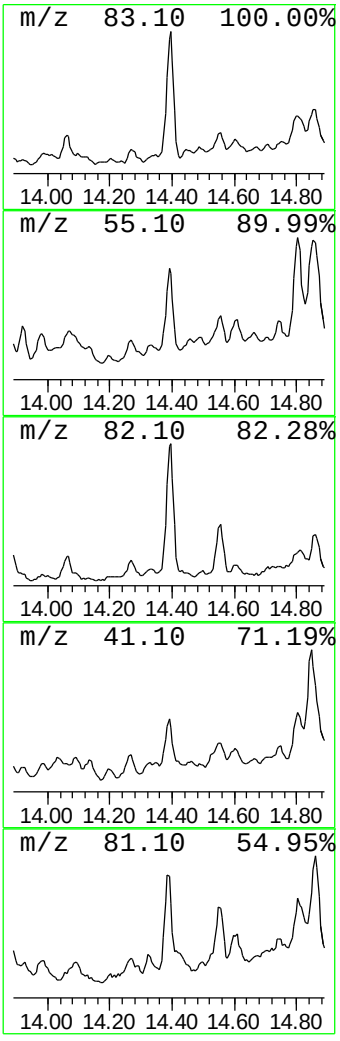
****

Peak Number 2 1-Methyldecahydronaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	182.26 ug/l	2305180	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	70
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	58
4	6-Dodecyne	166	C12H22	006975-99-1	52
5	Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
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Misc : 8.04G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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

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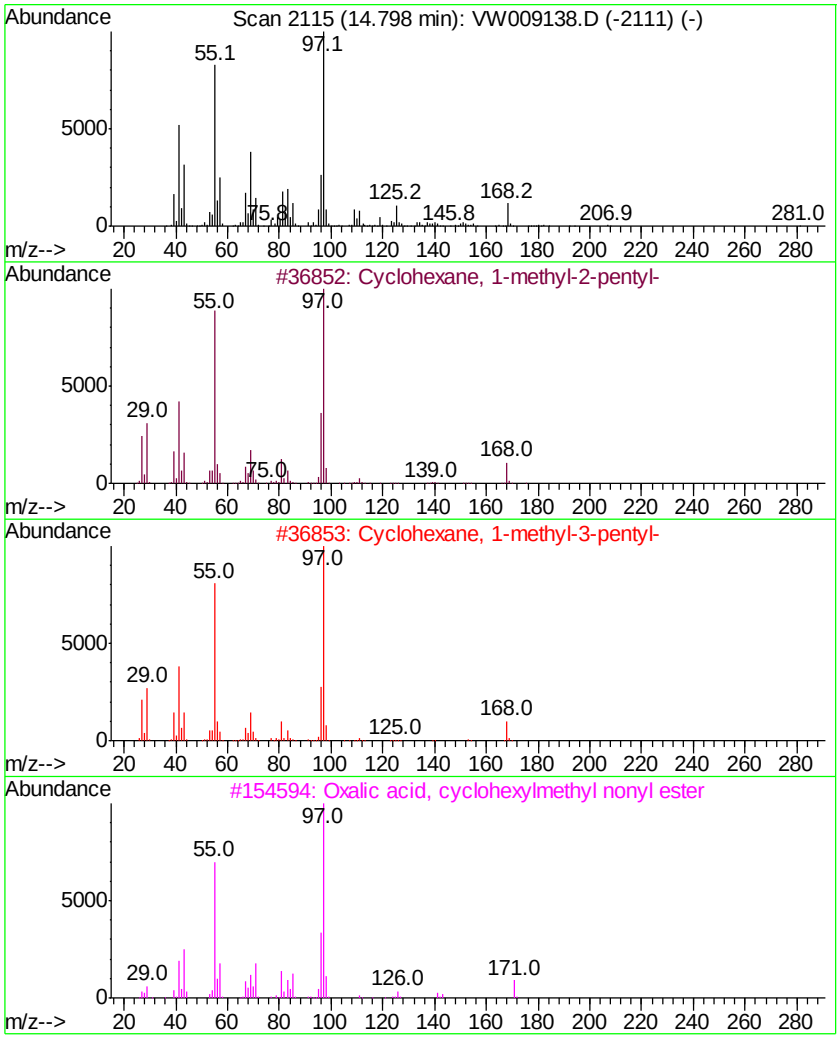
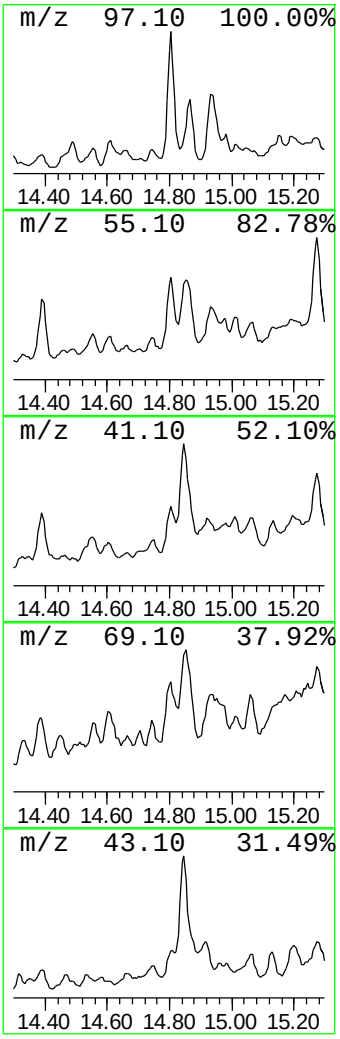
Peak Number 4 Cyclohexane, 1-methyl-2-pen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	153.35 ug/l	1939580	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	72
2	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	72
3	Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	64
4	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	59
5	Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	59





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ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

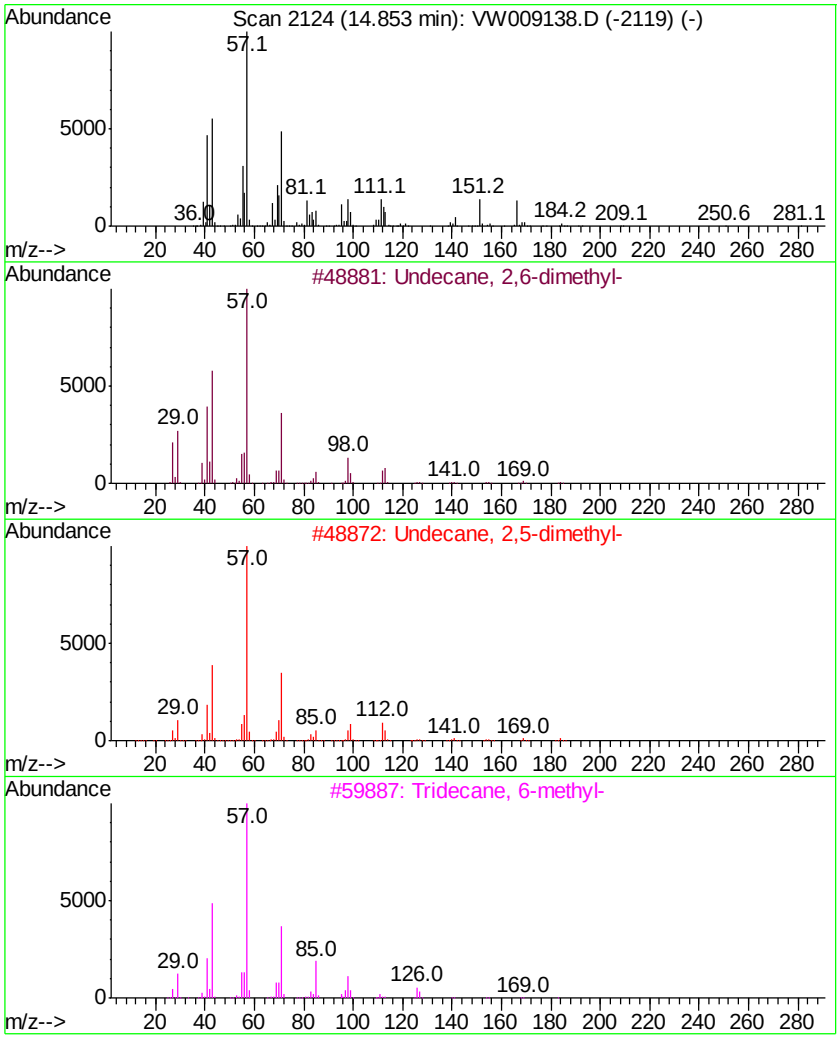
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

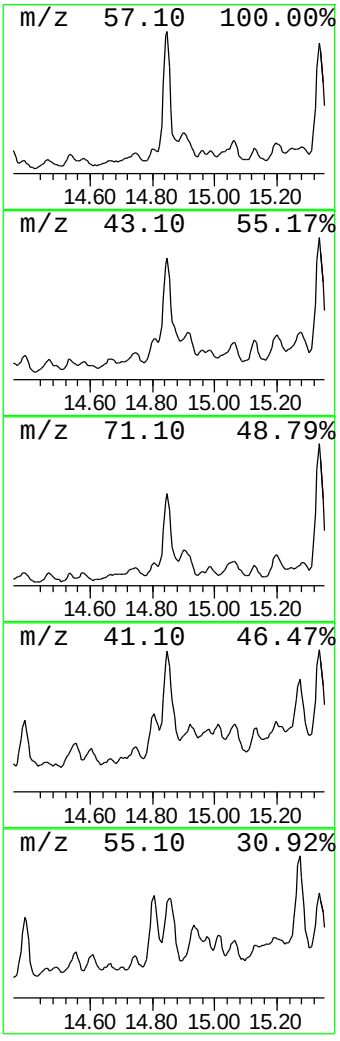
****

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	299.02 ug/l	3782040	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	87
2	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	50





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ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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

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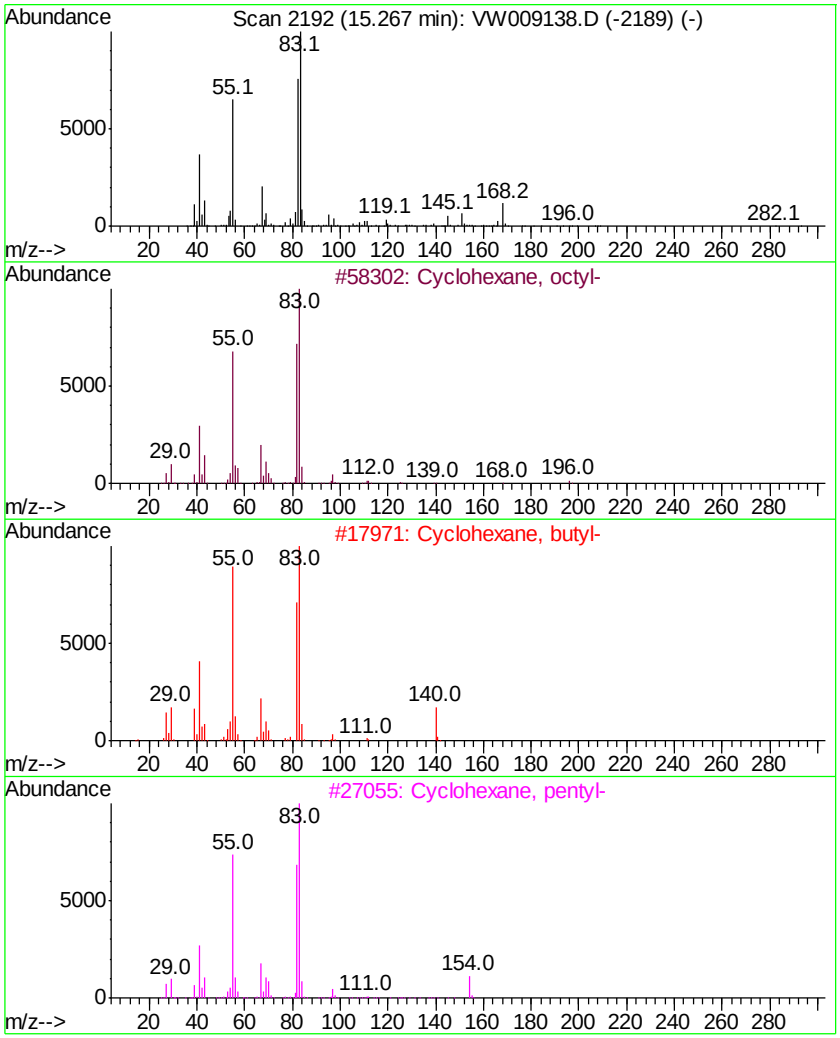
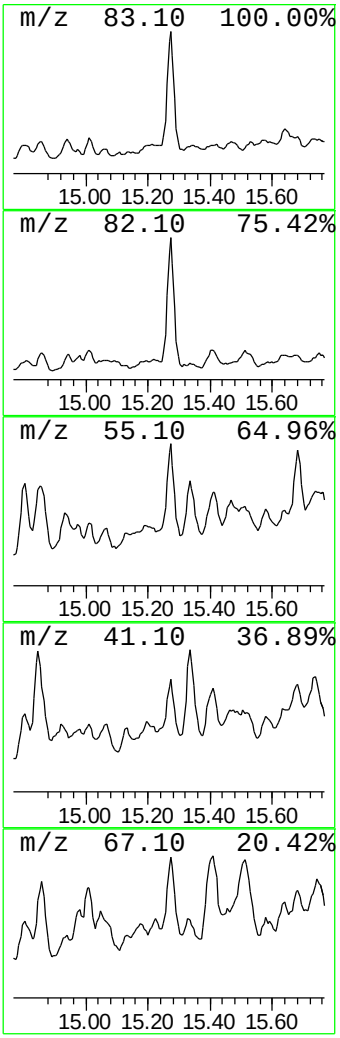
Peak Number 6 Cyclohexane, octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	156.58 ug/l	1980470	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	62
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50





Library Search Compound Report

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Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
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Sample : K1871-05
Misc : 8.04G/5ML/MSVOA W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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

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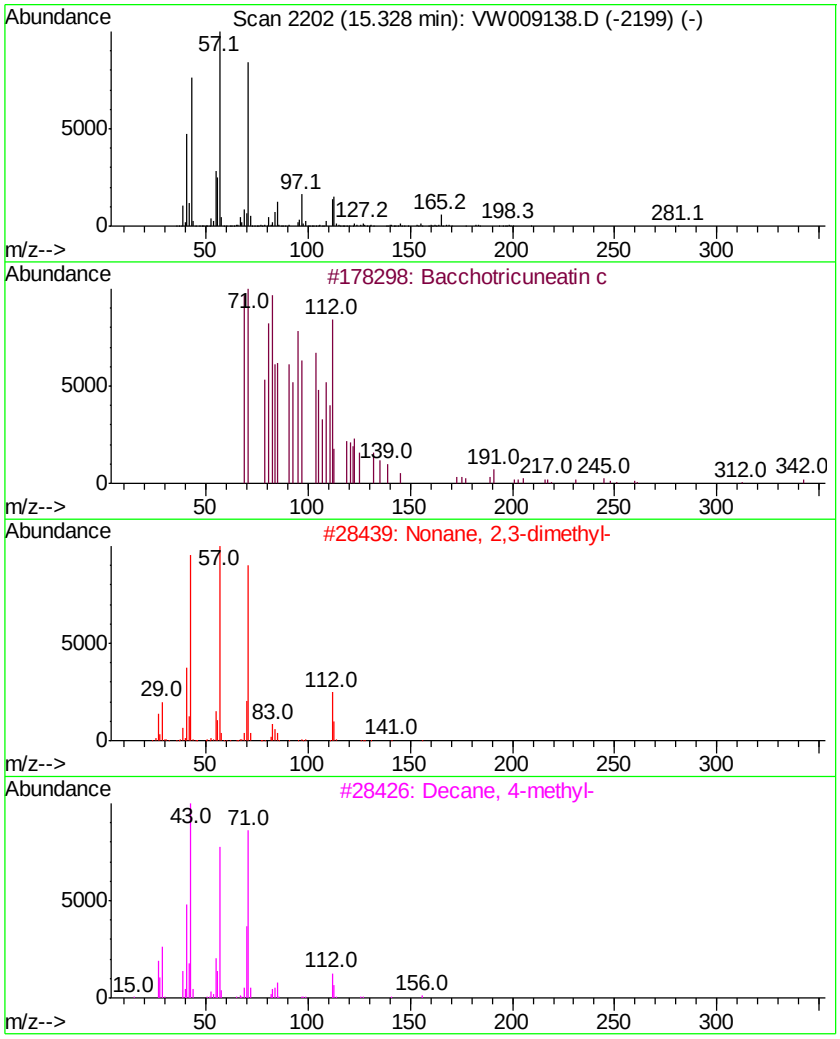
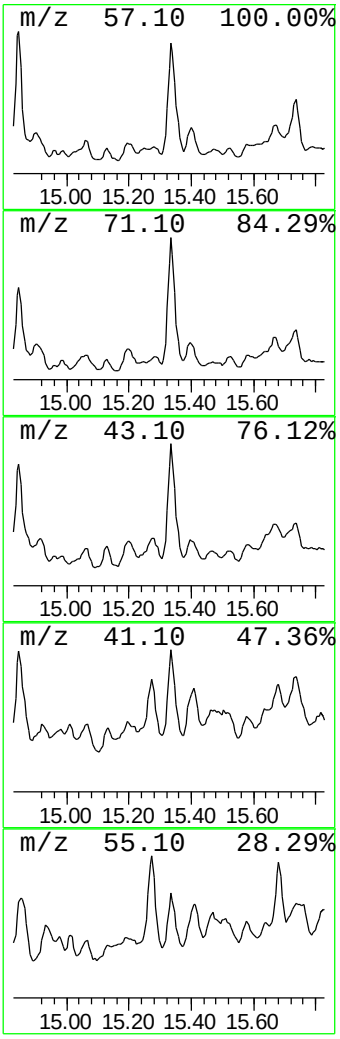
Peak Number 7 Bacchotricuneatin c Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	227.13 ug/l	2872770	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	83
2	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	58
3	Decane, 4-methyl-	156	C11H24	002847-72-5	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
Operator : SY/VA
Sample : K1871-05
Misc : 8.04G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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

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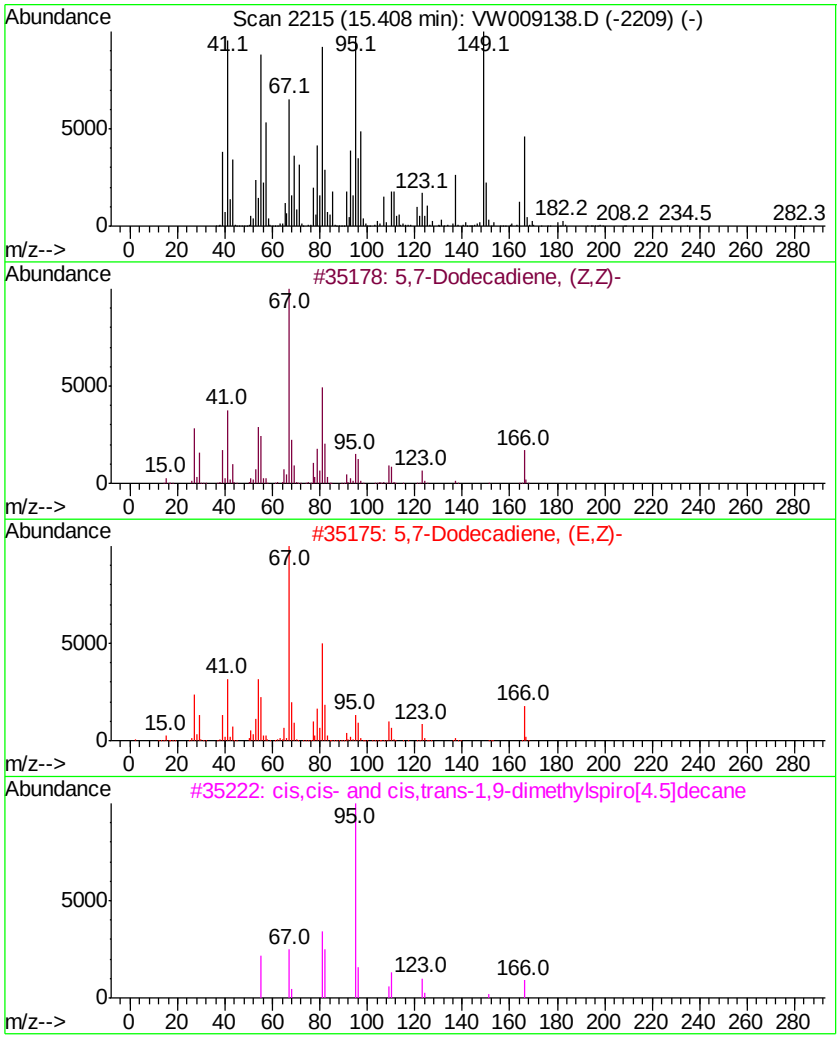
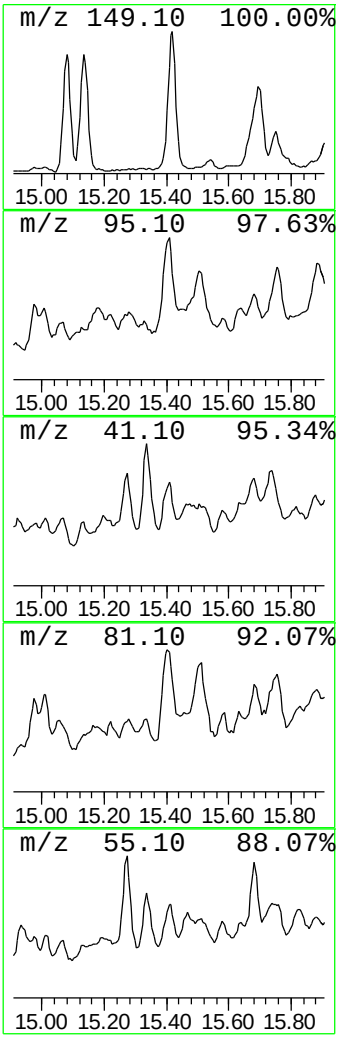
Peak Number 8 unknown15.41 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	234.33 ug/l	2963750	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,7-Dodecadiene, (Z,Z)-	166	C12H22	006108-62-9	30
2	5,7-Dodecadiene, (E,Z)-	166	C12H22	021293-04-9	27
3	cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	20
4	2-(1-Cyclohexenyl)ethylamine	125	C8H15N	003399-73-3	20
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	15





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
Operator : SY/VA
Sample : K1871-05
Misc : 8.04G/5ML/MSVOA W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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

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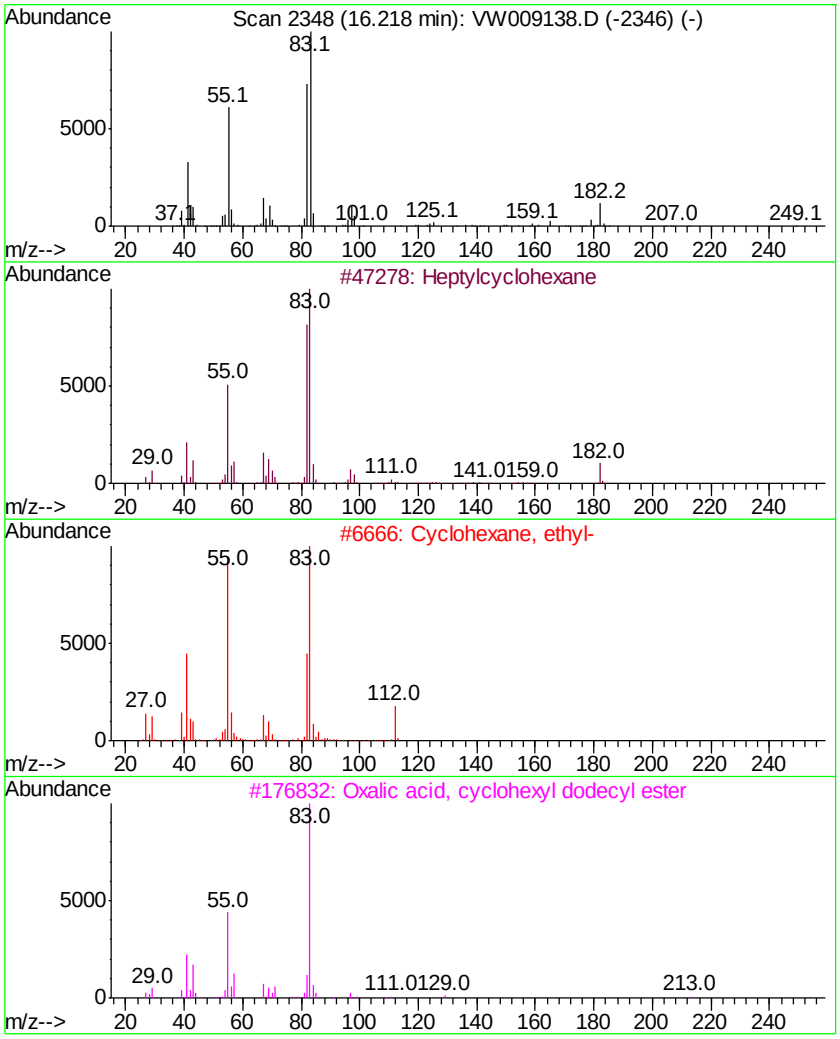
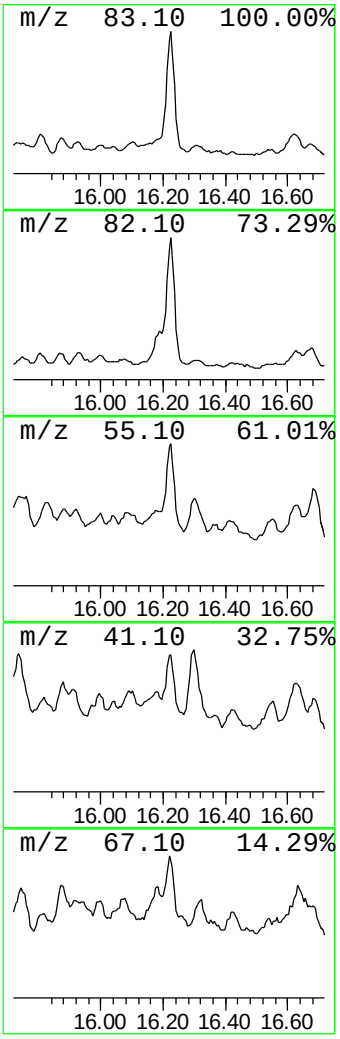
Peak Number 9 Heptylcyclohexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	105.73 ug/l	1337230	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	59
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
3	Oxalic acid, cyclohexyl dodecyl ...	340	C20H36O4	1000309-31-4	43
4	Oxalic acid, cyclohexyl undecyl ...	326	C19H34O4	1000309-31-3	43
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
Operator : SY/VA
Sample : K1871-05
Misc : 8.04G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260

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

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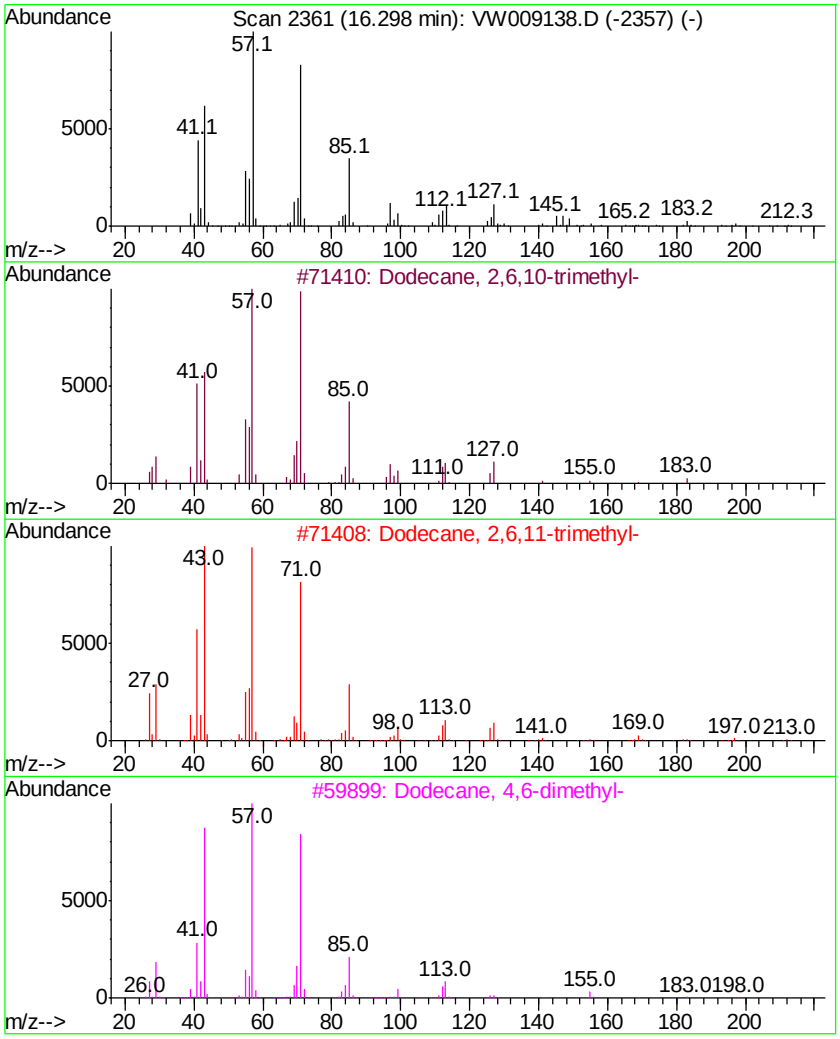
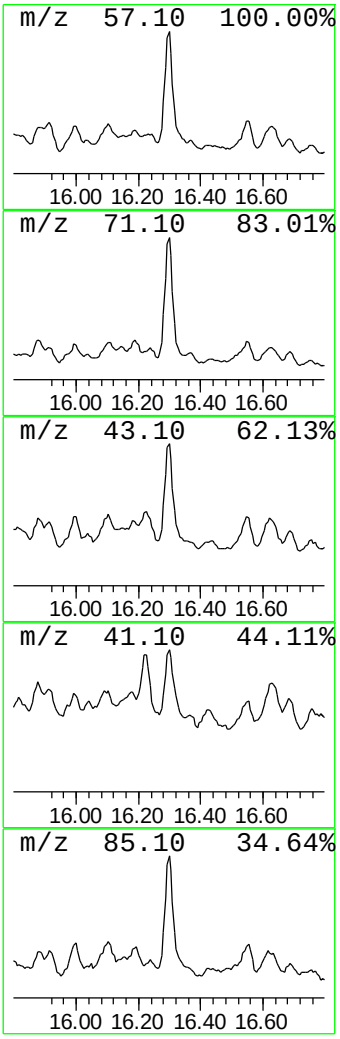
Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	205.86 ug/l	2603720	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031219\
Data File : VW009138.D
Acq On : 13 Mar 2019 06:16
Operator : SY/VA
Sample : K1871-05
Misc : 8.04G/5ML/MSVOA_W/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.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
unknown14.27	14.27	82.5	ug/l	1043770	4	13.56	632400	50.0
1-Methyldecahydro...	14.39	182.3	ug/l	2305180	4	13.56	632400	50.0
Cyclohexane, 1-me...	14.80	153.3	ug/l	1939580	4	13.56	632400	50.0
Undecane, 2,6-dim...	14.85	299.0	ug/l	3782040	4	13.56	632400	50.0
Cyclohexane, octyl-	15.27	156.6	ug/l	1980470	4	13.56	632400	50.0
Bacchotricuneatin c	15.33	227.1	ug/l	2872770	4	13.56	632400	50.0
unknown15.41	15.41	234.3	ug/l	2963750	4	13.56	632400	50.0
Heptylcyclohexane	16.22	105.7	ug/l	1337230	4	13.56	632400	50.0
Dodecane, 2,6,10-...	16.30	205.9	ug/l	2603720	4	13.56	632400	50.0