LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

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\82W102319S.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	2.361	64	75	85	rBV	5418690	16510099	2.35%	0.163%
2	3.020	173	183	221	rBV2	50560211	160803366	22.86%	1.589%
3	3.379	233	242	266	rVB4	51525248	183777837	26.13%	1.817%
4	3.580	266	275	293	rVB	5805003	16300852	2.32%	0.161%
5	3.843	310	318	347	rVB	5335223	17733963	2.52%	0.175%
6	4.111	347	362	407	rVB	6484010	28799399	4.09%	0.285%
7	4.977	479	504	562	rVB5	61963468	424134607	60.31%	4.192%
8	5.458	562	583	618	rBV3	44895064	243544520	34.63%	2.407%
9	5.775	619	635	650	rBV4	2374780	12757533	1.81%	0.126%
10	5.989	650	670	684	rBV5	79525776	415129165	59.02%	4.103%
11	6.245	701	712	715	rBV	6029366	18808220	2.67%	0.186%
12	6.440	735	744	754	rBV	2525058	9071377	1.29%	0.090%
13	6.574	757	766	780	rVV2	2918635	12242577	1.74%	0.121%
14	6.738	780	793	808	rVV	12763302	58407086	8.30%	0.577%
15	6.903	808	820	826	rVV	13528239	60083849	8.54%	0.594%
16	7.007	826	837	857	rVV2	55487053	256226230	36.43%	2.533%
17	7.190	857	867	897	rVB	2446816	10878831	1.55%	0.108%
18	7.708	944	952	979	rVB3	10015544	44021967	6.26%	0.435%
19	7.982	979	997	1006	rBV7	99317677	487890700	69.37%	4.823%
20	8.067	1006	1011	1021	rVB	32741358	105074469	14.94%	1.039%
21	8.208	1021	1034	1041	rBV6	85461834	348755126	49.59%	3.447%
22	8.330	1050	1054	1064	rVB	5693363	11262155	1.60%	0.111%
23	8.458	1064	1075	1082	rBV2	43640584	154197839	21.92%	1.524%
24	8.537	1083	1088	1093	rVV2	35678732	106266644	15.11%	1.050%
25	8.604	1093	1099	1109	rVB	43270413	136968222	19.47%	1.354%
26	8.762	1109	1125	1133	rVB6	109944967	497976592	70.80%	4.922%
27	8.860	1133	1141	1146	rBV3	23475295	60632825	8.62%	0.599%
28	8.909	1146	1149	1161	rVB2	13729969	33188632	4.72%	0.328%
29	9.012	1161	1166	1173	rBV	4524806	10294423	1.46%	0.102%
30	9.116	1173	1183	1188	rBV6	5884376	21608655	3.07%	0.214%
31	9.366	1207	1224	1241	rBV5	135532154	703315663	100.00%	6.952%
32	9.543	1241	1253	1258	rBV	30530764	68729600	9.77%	0.679%
33	9.628	1258	1267	1275	rVB2	31219070	93829221	13.34%	0.927%
34	9.774	1275	1291	1300	rBV3	24725834	72002350	10.24%	0.712%

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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : SW846 8260

35	9.866	1300	1306	1309	rBV2	10154161	21439346	3.05%	0.212%
36	9.921	1309	1315	1319	rBV	18204488	45687981	6.50%	0.452%
37	10.006	1319	1329	1340	rVB6	87055540	380834249	54.15%	3.764%
38	10.140	1340	1351	1361	rBV6	87620020	322714059	45.88%	3.190%
39	10.238	1361	1367	1371	rBV3	7390467	20365122	2.90%	0.201%
40	10.280	1372	1374	1379	rVB2	10477929	15032655	2.14%	0.149%
41	10.360	1379	1387	1391	rBV2	87134344	248936737	35.39%	2.461%
42	10.469	1398	1405	1407	rBV3	12041526	24571709	3.49%	0.243%
43	10.555	1407	1419	1425	rVV5	114645446	471651234	67.06%	4.662%
44	10.604	1425	1427	1431	rVB2	7513031	9181580	1.31%	0.091%
45	10.707	1431	1444	1450	rVB2	39693904	124841956	17.75%	1.234%
46	10.793	1450	1458	1466	rBV3	53812832	129869544	18.47%	1.284%
47	10.866	1466	1470	1476	rVB	26711907	49055868	6.97%	0.485%
48	10.957	1476	1485	1491	rBV	36591901	82909286	11.79%	0.820%
49	11.061	1491	1502	1509	rBV3	41396545	112300688	15.97%	1.110%
50	11.134	1509	1514	1517	rVV3	17690326	38996725	5.54%	0.385%
51	11.201	1520	1525	1529	rVV2	45841090	96164142	13.67%	0.951%
52	11.250	1529	1533	1538	rVV2	34202593	60432719	8.59%	0.597%
53	11.299	1538	1541	1545	rVB2	12525983	18289564	2.60%	0.181%
54	11.353	1545	1550	1554	rBV	19701139	38373170	5.46%	0.379%
55	11.439	1554	1564	1573	rVB5	85403798	259564782	36.91%	2.566%
56	11.536	1573	1580	1591	rVB2	58606469	130852775	18.61%	1.293%
57	11.652	1593	1599	1604	rBV5	5615160	11968293	1.70%	0.118%
58	11.744	1607	1614	1620	rBV3	66059687	140887269	20.03%	1.393%
59	11.859	1625	1633	1643	rVV6	139048699	429923816	61.13%	4.250%
60	11.933	1643	1645	1650	rVB	18731687	25338178	3.60%	0.250%
61	12.067	1661	1667	1674	rVB4	13697654	28918955	4.11%	0.286%
62	12.146	1674	1680	1692	rBV6	27152610	87374336	12.42%	0.864%
63	12.262	1694	1699	1703	rVB	17212260	30367062	4.32%	0.300%
64	12.341	1703	1712	1715	rBV6	13506252	35828723	5.09%	0.354%
65	12.390	1716	1720	1725	rVB4	10161255	18094126	2.57%	0.179%
66	12.469	1729	1733	1736	rBV	8421530	15621046	2.22%	0.154%
67	12.579	1749	1751	1756	rVB	20290707	24987990	3.55%	0.247%
68	12.664	1756	1765	1769	rVB	19987347	34937503	4.97%	0.345%
69	12.811	1782	1789	1794	rBV	27989917	51062779	7.26%	0.505%
70	12.878	1794	1800	1804	rBV2	79376641	173438628	24.66%	1.714%
71	12.951	1808	1812	1818	rVB3	94414150	178468089	25.38%	1.764%

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72	13.109	1830	1838	1845	rBV3	39887713	86339424	12.28%	0.853%
73	13.170	1845	1848	1854	rVB2	7080117	10290791	1.46%	0.102%
74	13.268	1854	1864	1873	rVB3	99739228	234051475	33.28%	2.313%
75	13.377	1874	1882	1887	rBV5	5325251	16387433	2.33%	0.162%
76	13.445	1888	1893	1897	rBV2	12660324	19979084	2.84%	0.197%
77	13.493	1897	1901	1904	rBV2	7896868	10980448	1.56%	0.109%
78	13.591	1913	1917	1921	rVB	30170708	45765114	6.51%	0.452%
79	13.634	1921	1924	1930	rVB	10260637	14888282	2.12%	0.147%
80	13.725	1933	1939	1940	rBV	18080696	25556799	3.63%	0.253%
81	13.755	1940	1944	1948	rVV3	45097813	73460648	10.44%	0.726%
82	13.798	1948	1951	1960	rVB5	50708476	101231564	14.39%	1.001%
83	13.877	1960	1964	1969	rVB	30023907	43206419	6.14%	0.427%
84	13.951	1969	1976	1981	rBV	13314939	20967170	2.98%	0.207%
85	14.018	1981	1987	1989	rBV	25780734	43325905	6.16%	0.428%
86	14.042	1989	1991	1996	rVB	24139749	34022986	4.84%	0.336%
87	14.103	1996	2001	2007	rVB2	39336261	62612050	8.90%	0.619%
88	14.207	2013	2018	2024	rVB3	22460961	40004317	5.69%	0.395%
89	14.341	2034	2040	2045	rBV2	11352637	20865833	2.97%	0.206%
90	14.420	2045	2053	2057	rBV	24086306	46796995	6.65%	0.463%
91	14.463	2057	2060	2063	rVB	24982548	31461787	4.47%	0.311%
92	14.499	2063	2066	2070	rVB	14644049	19062558	2.71%	0.188%
93	14.542	2070	2073	2079	rVB	9450600	12714946	1.81%	0.126%
94	14.646	2086	2090	2093	rVB	9708209	12379632	1.76%	0.122%
95	14.694	2093	2098	2101	rBV2	19251528	35124698	4.99%	0.347%
96	14.810	2109	2117	2122	rBV3	27056912	69391118	9.87%	0.686%
97	14.859	2122	2125	2137	rVB	8431258	16134160	2.29%	0.159%
98	15.066	2154	2159	2170	rVV3	11406955	31539667	4.48%	0.312%
99	15.176	2171	2177	2184	rVB3	6874240	15984827	2.27%	0.158%
100	15.365	2203	2208	2215	rVB	17108709	31873867	4.53%	0.315%

Sum of corrected areas: 10116907275

LSC Report - Integrated Chromatogram

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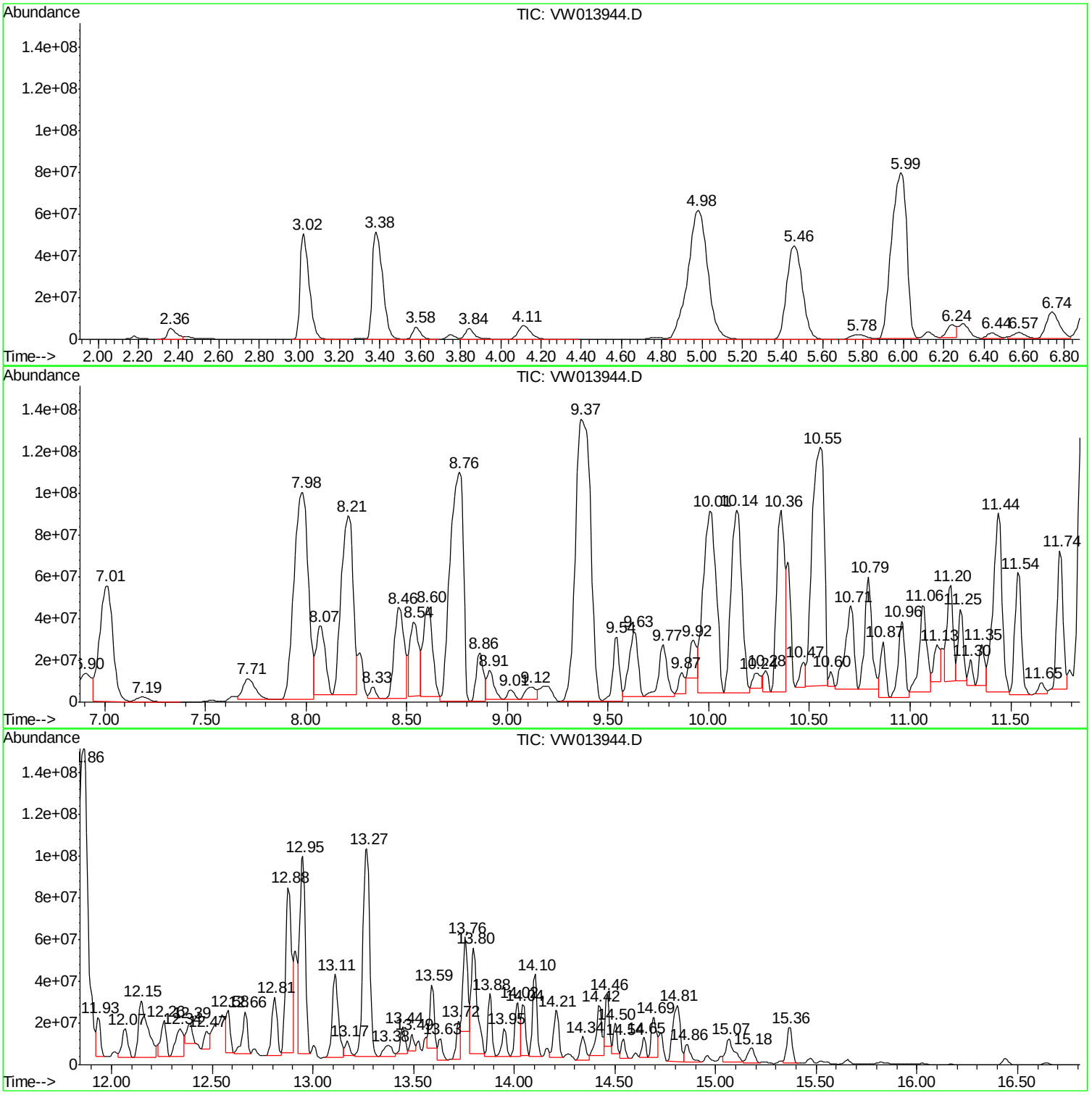
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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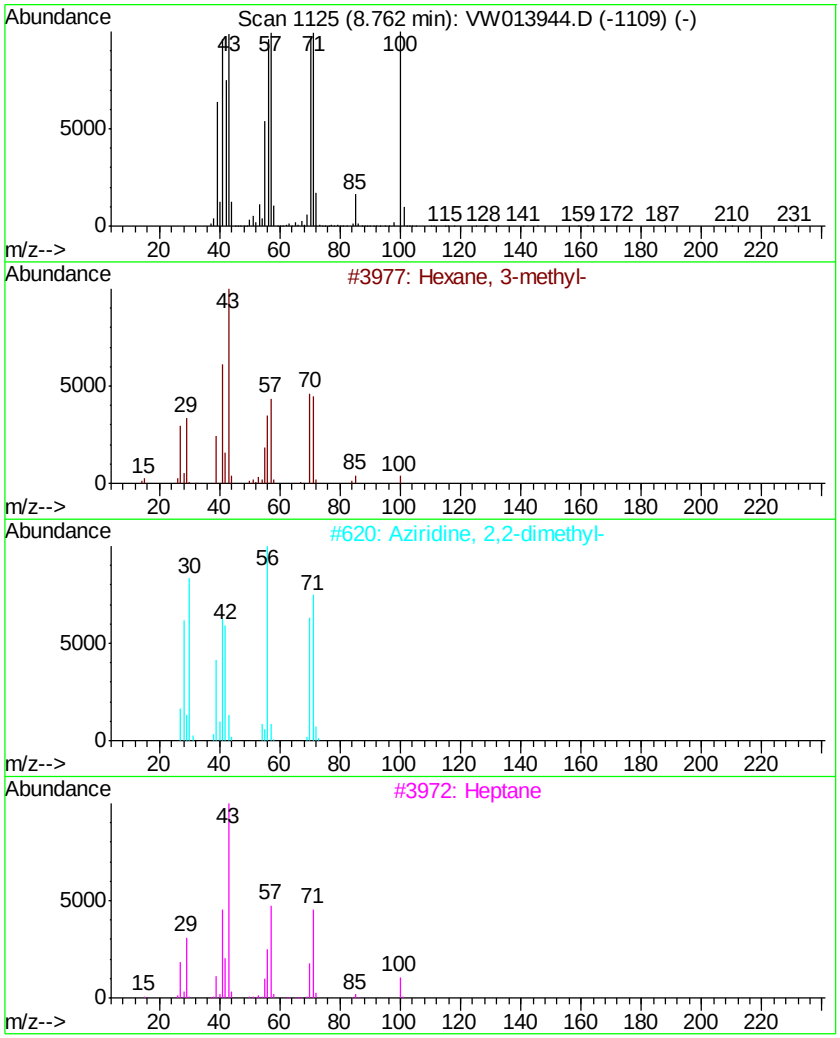
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

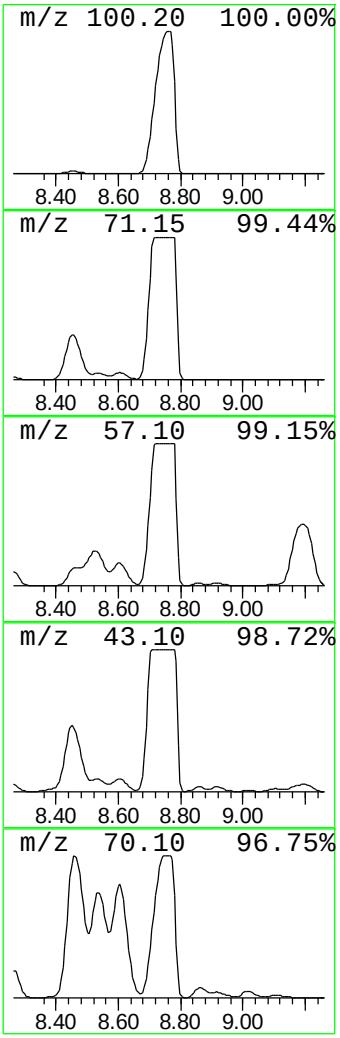
****

Peak Number 1 unknown8.76 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	410.65 ug/l	497977000	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	47
2	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	47
3	Heptane	100	C7H16	000142-82-5	43
4	2,2-Dimethylperhydro-1,3-oxazine	115	C6H13NO	073155-29-0	38
5	1-Hexene	84	C6H12	000592-41-6	27





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Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

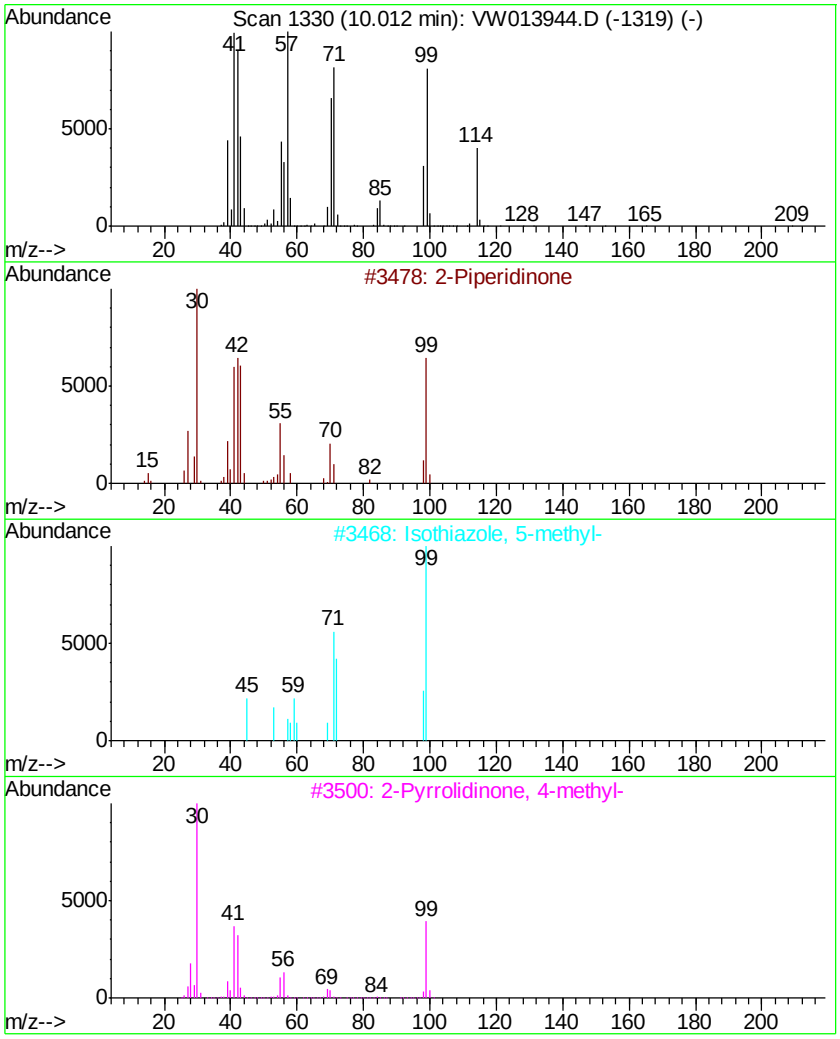
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

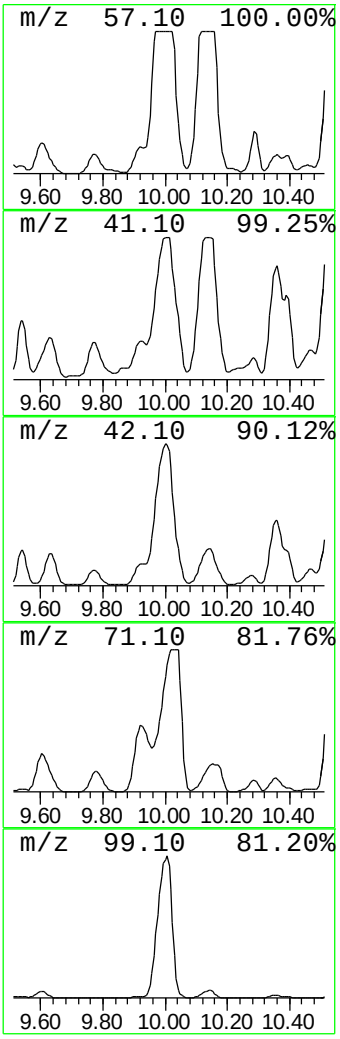
****

Peak Number 2 2-Piperidinone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	314.05 ug/l	380834000	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Piperidinone	99	C5H9NO	000675-20-7	52
2	Isothiazole, 5-methyl-	99	C4H5NS	000693-97-0	43
3	2-Pyrrolidinone, 4-methyl-	99	C5H9NO	1000197-00-3	38
4	Cyclobutanone, 2-ethyl-	98	C6H10O	010374-14-8	38
5	2H-Pyran-2-one, 6-heptyltetrahydro-	198	C12H22O2	000713-95-1	38





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TIC Library : C:\DATABASE\NIST11.L
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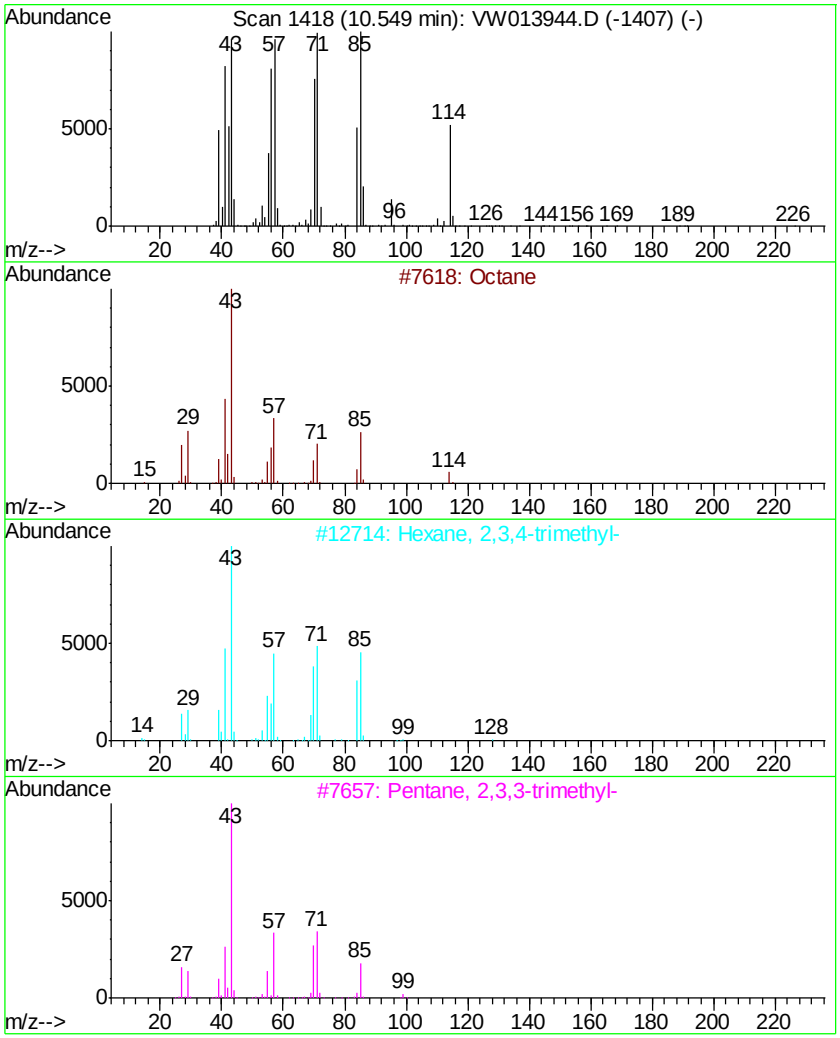
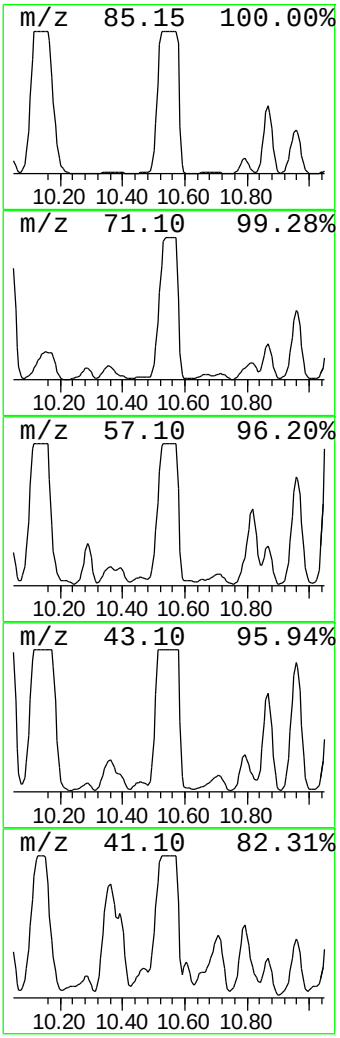
Peak Number 3 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	1970.42 ug/l	471651000	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	53
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	43
4	4-Piperidinemethanamine	114	C6H14N2	007144-05-0	35
5	Butanoic acid, 3-methyl-, hexyl ...	186	C11H22O2	010032-13-0	35





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Quant Title : SW846 8260

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

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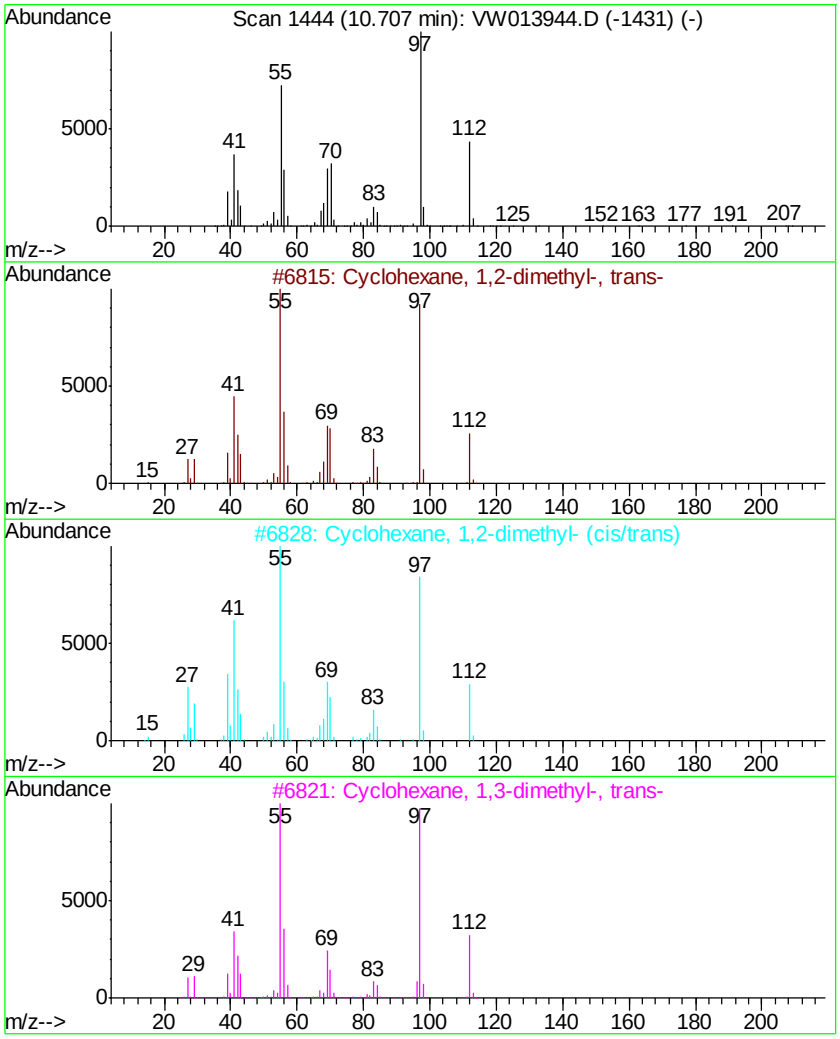
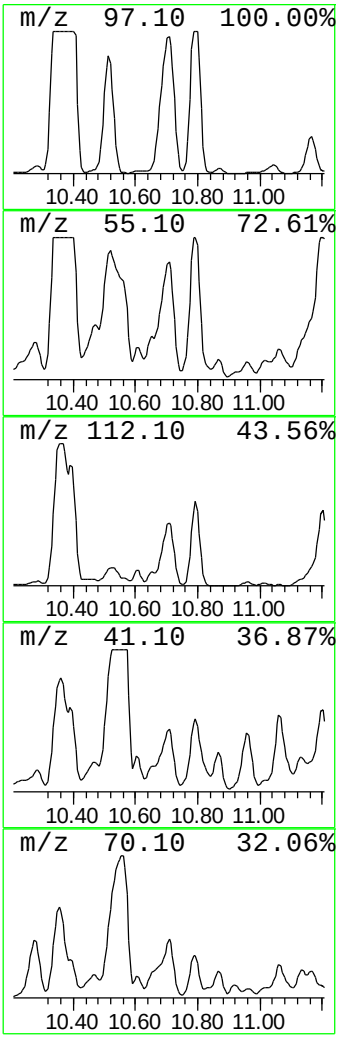
Peak Number 4 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	521.55 ug/l	124842000	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87





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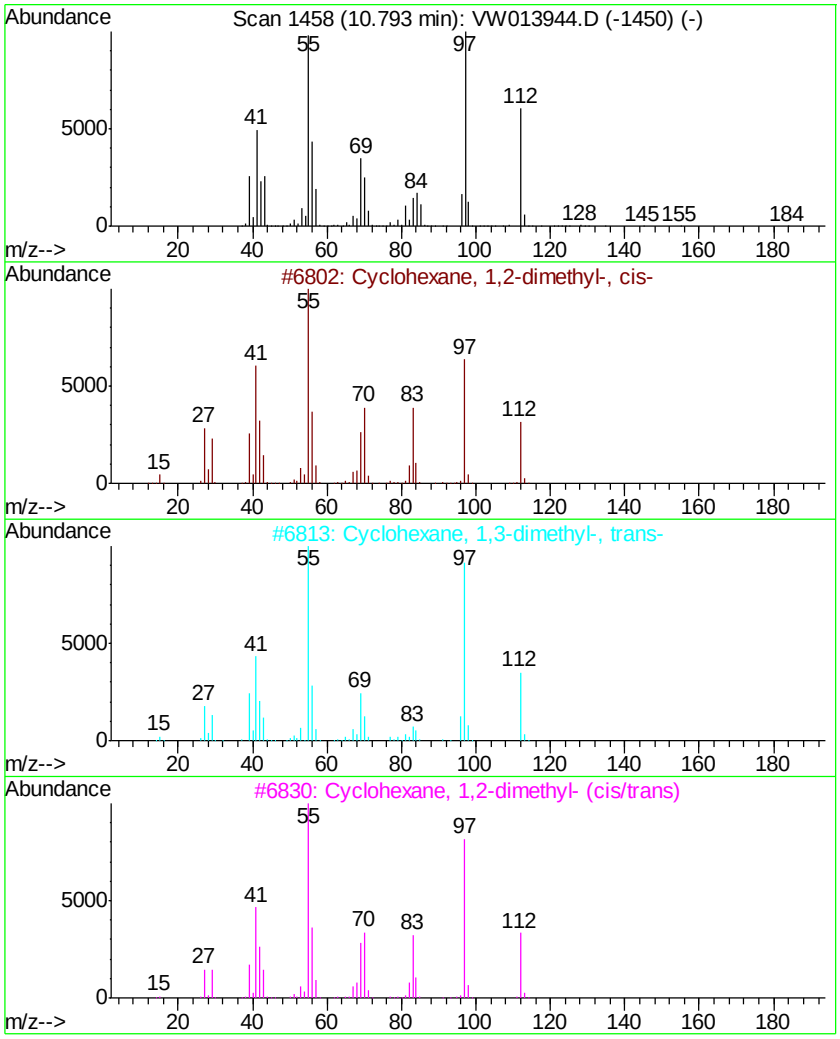
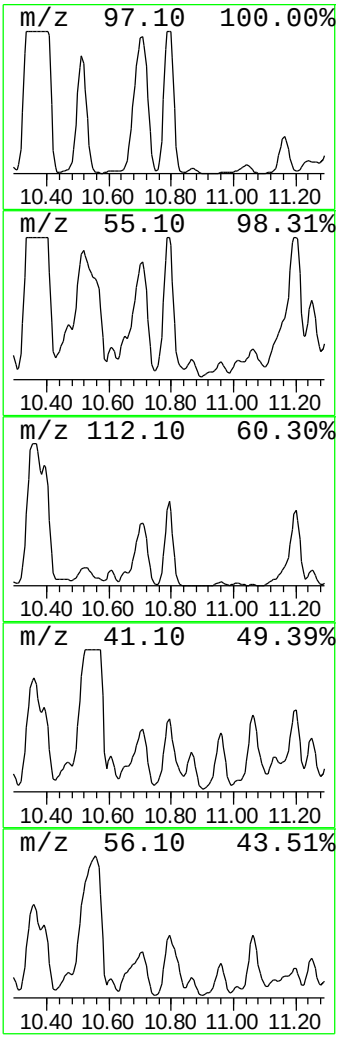
Peak Number 5 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	542.56 ug/l	129870000	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	80
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	49
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110819\
Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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

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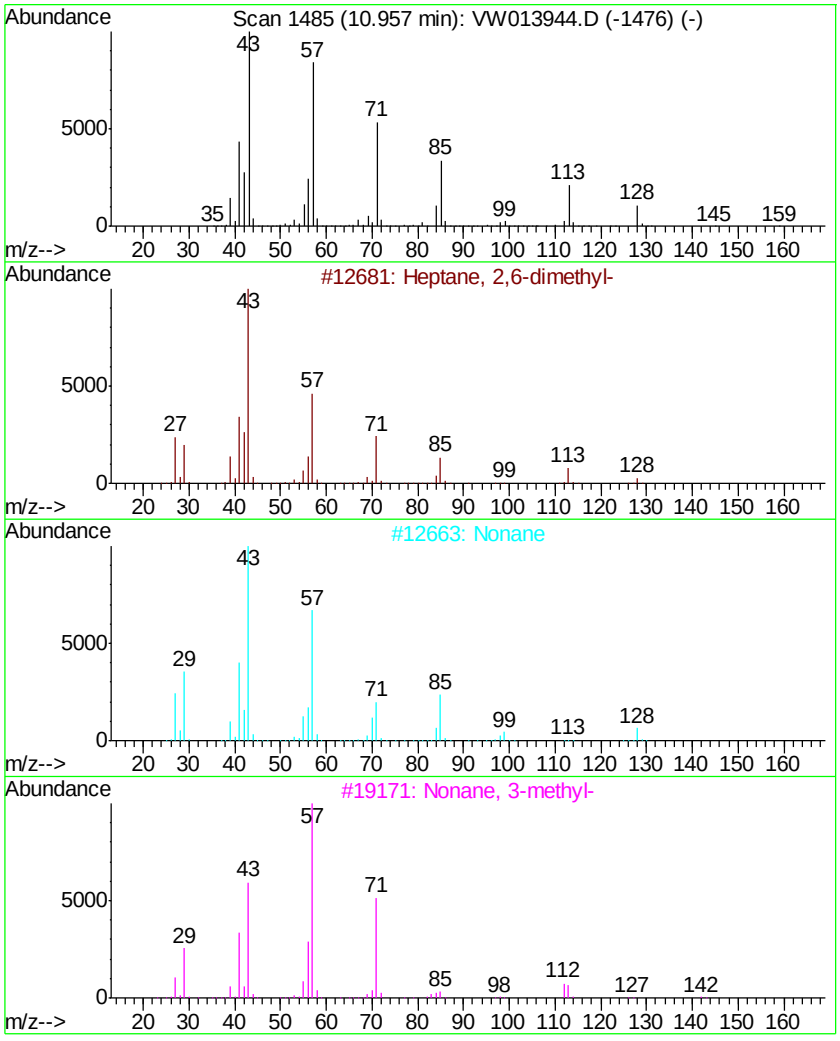
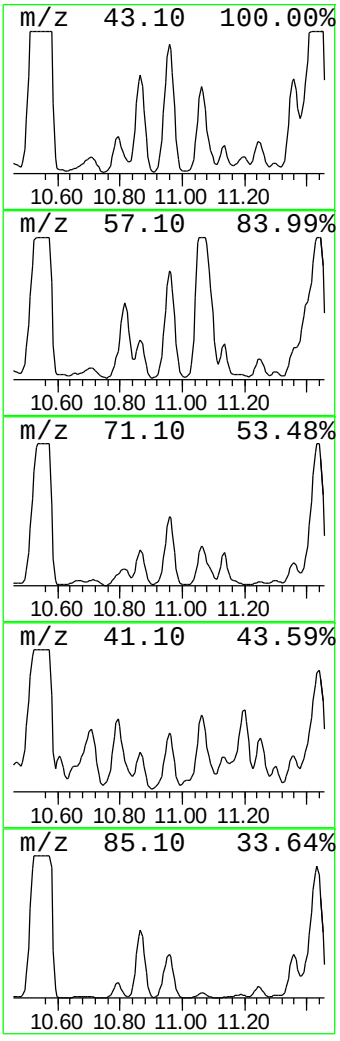
Peak Number 6 Heptane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	346.37 ug/l	82909300	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2	Nonane	128	C9H20	000111-84-2	58
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	50
5	4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	47





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Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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

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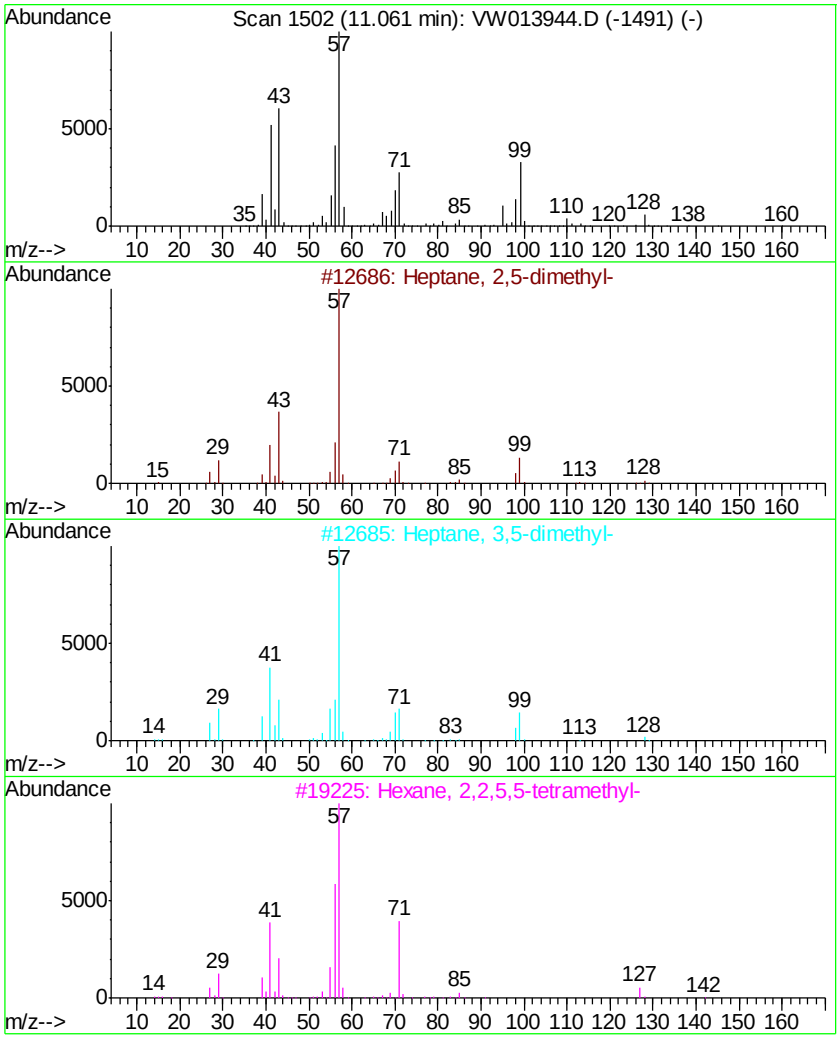
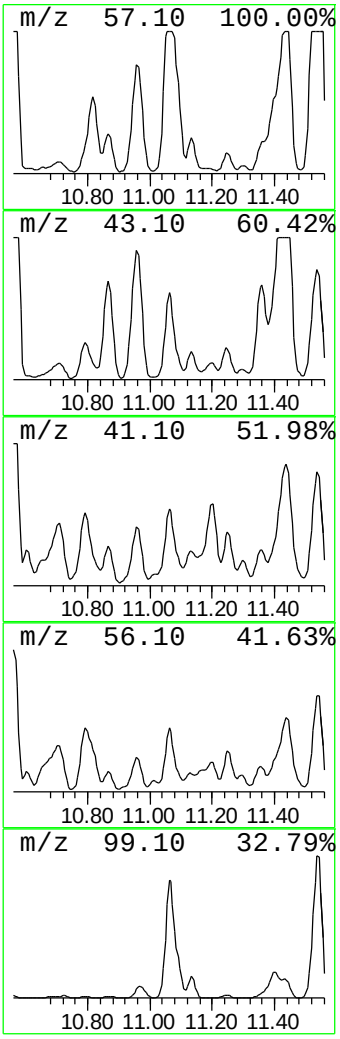
Peak Number 7 Heptane, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	469.16 ug/l	112301000	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	43
4	3-Methyl-2-pyrrolidinone	99	C5H9NO	002555-05-7	38
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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

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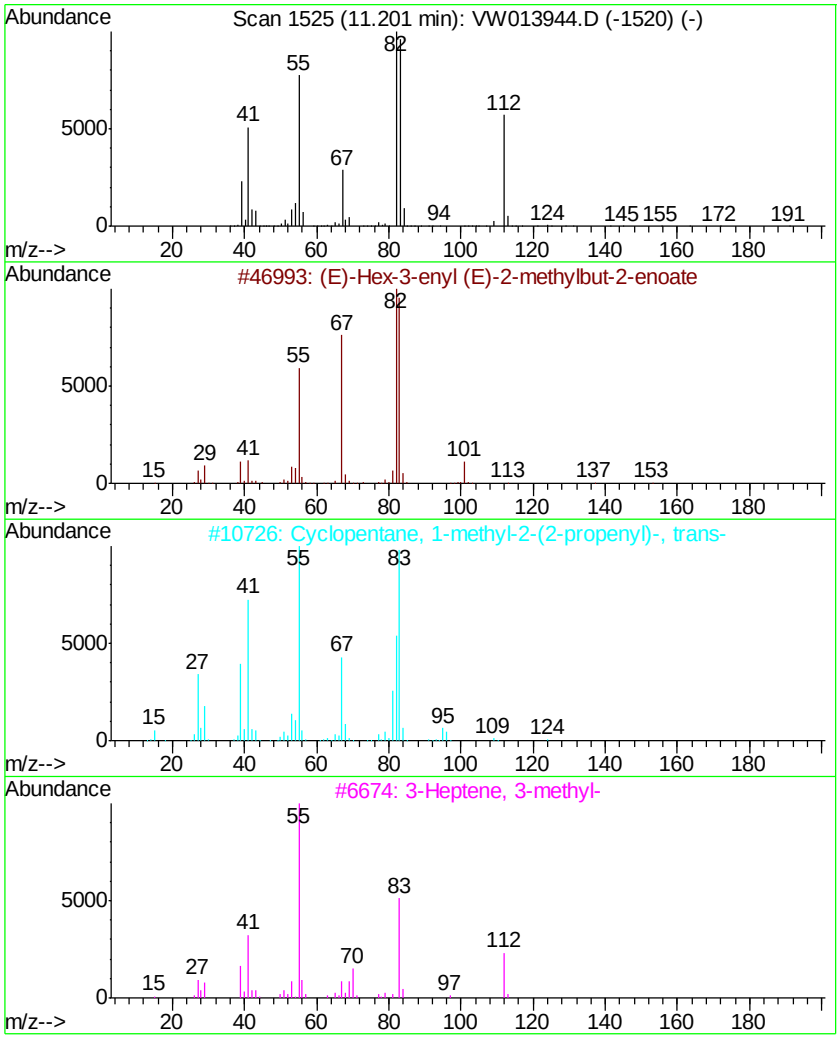
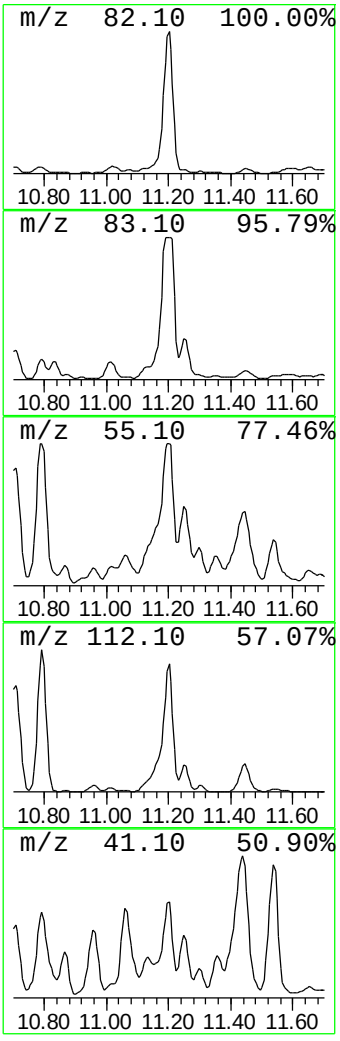
Peak Number 8 (E)-Hex-3-enyl (E)-2-methyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	401.75 ug/l	96164100	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-74-1	53
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	50
3	3-Heptene, 3-methyl-	112	C8H16	007300-03-0	47
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	43
5	3-Ethyl-4-methyl-2-pentene	112	C8H16	019780-68-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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

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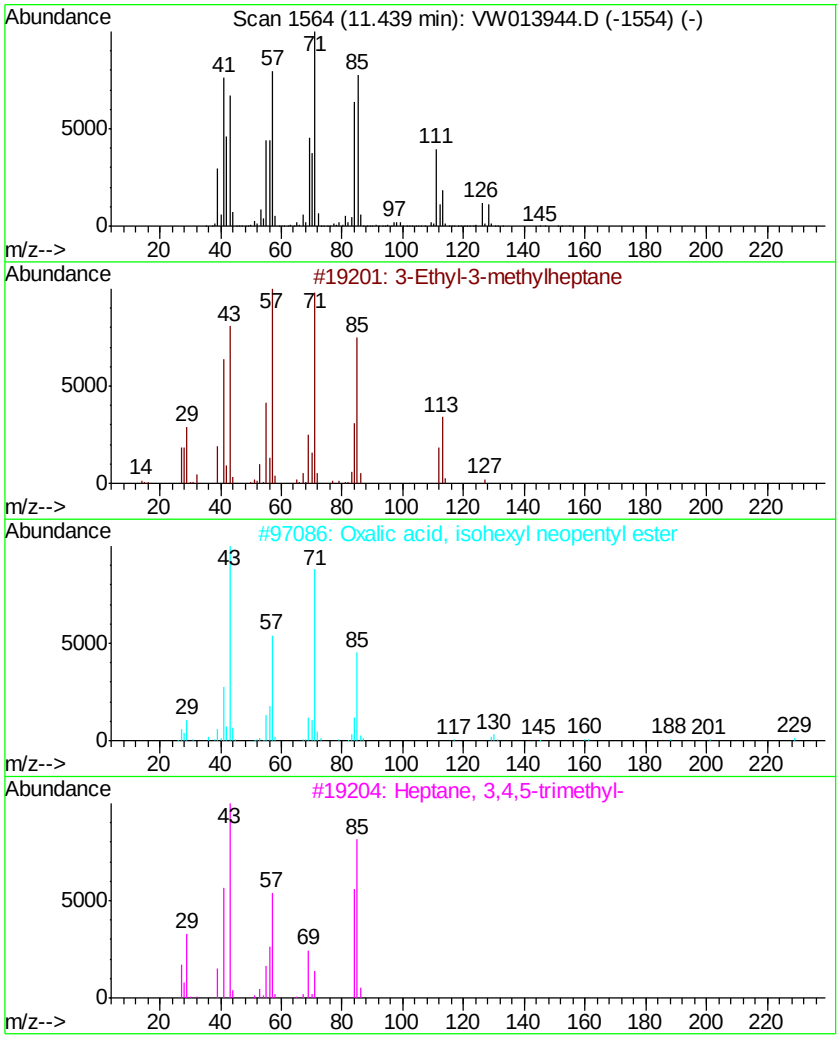
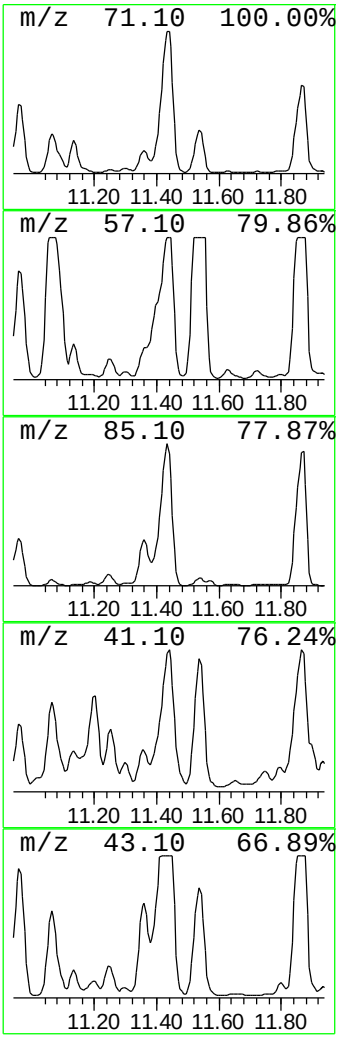
Peak Number 9 unknown11.44 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	1084.39 ug/l	259565000	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	47
2	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	38
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	38
4	Butanoic acid, 2-methyl-, 2-meth...	186	C11H22O2	083783-88-4	35
5	Heptane, 3-methyl-	114	C8H18	000589-81-1	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110819\
Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260

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

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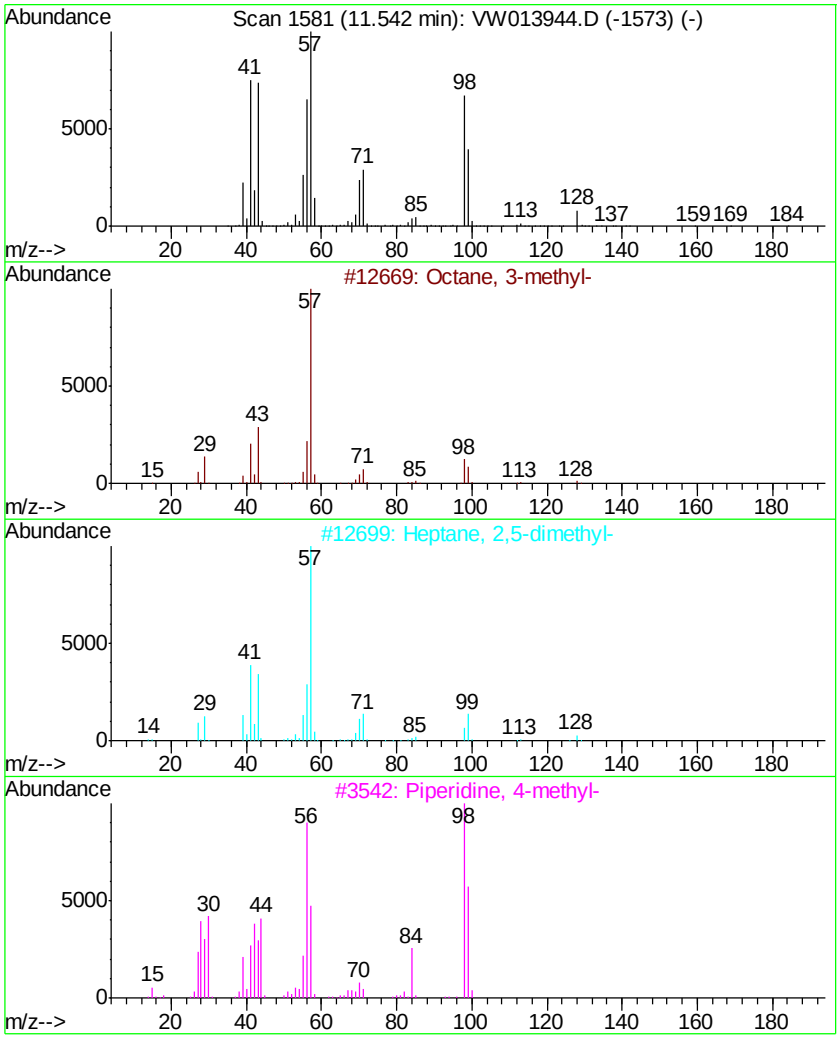
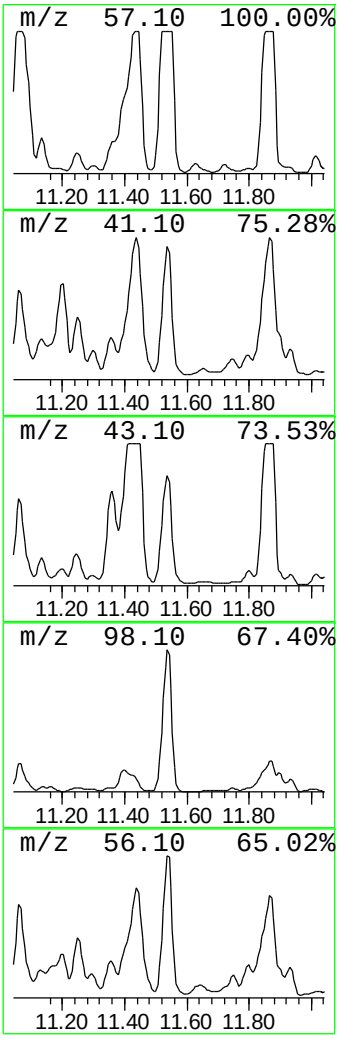
Peak Number 10 Octane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	546.66 ug/l	130853000	Chlorobenzene-d5	11.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	64
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
3	Piperidine, 4-methyl-	99	C6H13N	000626-58-4	53
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110819\
Data File : VW013944.D
Acq On : 08 Nov 2019 15:02
Operator : SY/VA
Sample : K5742-05
Misc : 8.43G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-22-(14-15)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.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
unknown8.76	8.76	410.6	ug/l	497977000	2	8.85	60632800	50.0
2-Piperidinone	10.01	314.1	ug/l	380834000	2	8.85	60632800	50.0
Octane	10.55	1970.4	ug/l	471651000	3	11.64	11968300	50.0
Cyclohexane, 1,2-...	10.71	521.5	ug/l	124842000	3	11.64	11968300	50.0
Cyclohexane, 1,2-...	10.79	542.6	ug/l	129870000	3	11.64	11968300	50.0
Heptane, 2,6-dime...	10.96	346.4	ug/l	82909300	3	11.64	11968300	50.0
Heptane, 2,5-dime...	11.06	469.2	ug/l	112301000	3	11.64	11968300	50.0
(E)-Hex-3-enyl (E...	11.20	401.8	ug/l	96164100	3	11.64	11968300	50.0
unknown11.44	11.44	1084.4	ug/l	259565000	3	11.64	11968300	50.0
Octane, 3-methyl-	11.54	546.7	ug/l	130853000	3	11.64	11968300	50.0