LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

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\82W100125S.M
Title : SW846 8260

Signal : TIC: VW032388.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	364	373	384	rBV	102760	307915	2.06%	0.131%
2	7.197	857	871	889	rVB3	59369	205309	1.37%	0.087%
3	7.904	976	987	991	rBV2	209871	521543	3.48%	0.221%
4	7.965	991	997	1004	rVV2	344456	842474	5.63%	0.357%
5	8.044	1004	1010	1022	rVB2	124053	327641	2.19%	0.139%
6	8.319	1048	1055	1066	rVB2	242663	562616	3.76%	0.239%
7	8.447	1066	1076	1079	rBV3	128868	336313	2.25%	0.143%
8	8.495	1079	1084	1093	rVV3	206884	688819	4.60%	0.292%
9	8.587	1093	1099	1110	rVB	154873	371922	2.48%	0.158%
10	8.855	1133	1143	1154	rBV	534003	1133171	7.57%	0.480%
11	9.081	1172	1180	1187	rBV	127341	295531	1.97%	0.125%
12	9.154	1187	1192	1201	rVB	73340	159754	1.07%	0.068%
13	9.337	1209	1222	1228	rBV2	1137722	3137409	20.95%	1.330%
14	9.392	1228	1231	1240	rVB	413675	732414	4.89%	0.311%
15	9.611	1257	1267	1275	rVB2	370649	909959	6.08%	0.386%
16	9.757	1284	1291	1301	rBV2	488317	1039119	6.94%	0.441%
17	9.904	1304	1315	1319	rBV	448584	931890	6.22%	0.395%
18	9.946	1319	1322	1329	rVB2	118943	222056	1.48%	0.094%
19	10.080	1337	1344	1348	rBV2	266601	555091	3.71%	0.235%
20	10.129	1348	1352	1360	rVB	245964	471347	3.15%	0.200%
21	10.251	1360	1372	1378	rBV3	396946	1019219	6.81%	0.432%
22	10.324	1378	1384	1398	rVB2	2055379	4393199	29.34%	1.863%
23	10.446	1399	1404	1407	rBV	170735	292599	1.95%	0.124%
24	10.501	1407	1413	1422	rVB2	436905	1200668	8.02%	0.509%
25	10.623	1424	1433	1436	rBV2	336554	664871	4.44%	0.282%
26	10.666	1436	1440	1448	rVB	523148	969639	6.48%	0.411%
27	10.763	1448	1456	1460	rBV4	567006	1290316	8.62%	0.547%
28	10.849	1466	1470	1475	rVB	673256	1073705	7.17%	0.455%
29	10.934	1475	1484	1491	rBV	1832798	3200535	21.38%	1.357%
30	11.038	1491	1501	1509	rBV	1359849	3088469	20.63%	1.310%
31	11.111	1509	1513	1517	rVV2	514775	879119	5.87%	0.373%
32	11.178	1520	1524	1528	rVV	901806	1609939	10.75%	0.683%
33	11.233	1528	1533	1538	rVV	2128742	4081784	27.26%	1.731%
34	11.288	1538	1542	1545	rVV2	428798	736287	4.92%	0.312%
35	11.336	1545	1550	1554	rVV2	1520937	2691345	17.98%	1.141%
36	11.379	1554	1557	1562	rVV2	646419	1071225	7.15%	0.454%

LSC Area Percent Report

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Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

37	11.434	1562	1566	1574	rVB	950107	1729557	11.55%	0.733%
38	11.501	1574	1577	1581	rBV	363657	496251	3.31%	0.210%
39	11.550	1581	1585	1589	rVB4	103047	157954	1.05%	0.067%
40	11.629	1590	1598	1607	rBV2	771240	1736948	11.60%	0.736%
41	11.763	1616	1620	1623	rBV	506472	760880	5.08%	0.323%
42	11.818	1623	1629	1633	rVV5	871276	1733619	11.58%	0.735%
43	11.873	1633	1638	1642	rVV	1813156	3115543	20.81%	1.321%
44	11.916	1642	1645	1650	rVB3	1140018	1812800	12.11%	0.769%
45	11.976	1650	1655	1657	rBV	550724	963577	6.44%	0.409%
46	12.056	1663	1668	1674	rVB3	1075625	2042924	13.64%	0.866%
47	12.135	1674	1681	1687	rBV3	3150008	7308624	48.81%	3.099%
48	12.251	1692	1700	1705	rVB	4918281	8603238	57.46%	3.648%
49	12.361	1705	1718	1726	rBV3	4196377	14972288	100.00%	6.349%
50	12.452	1729	1733	1735	rVV4	905138	1667062	11.13%	0.707%
51	12.501	1737	1741	1748	rVB3	2405009	5044807	33.69%	2.139%
52	12.562	1748	1751	1754	rVB	223835	241462	1.61%	0.102%
53	12.617	1754	1760	1765	rVB3	1745736	2957527	19.75%	1.254%
54	12.702	1765	1774	1777	rBV5	1424464	3403067	22.73%	1.443%
55	12.781	1782	1787	1793	rVB2	3131543	5937748	39.66%	2.518%
56	12.854	1793	1799	1804	rBV5	1833488	4523516	30.21%	1.918%
57	12.940	1805	1813	1818	rBV6	3733511	9702514	64.80%	4.114%
58	13.074	1826	1835	1839	rBV3	2665459	6831197	45.63%	2.897%
59	13.123	1839	1843	1846	rVV2	3775684	5834291	38.97%	2.474%
60	13.159	1846	1849	1855	rVB	3999741	6333832	42.30%	2.686%
61	13.287	1867	1870	1874	rVB	1631871	2038808	13.62%	0.864%
62	13.342	1875	1879	1882	rVV	1743558	2269568	15.16%	0.962%
63	13.446	1888	1896	1899	rBV6	3358851	7025582	46.92%	2.979%
64	13.696	1931	1937	1941	rBV4	2022604	3747552	25.03%	1.589%
65	13.872	1961	1966	1970	rBV2	3939342	7065398	47.19%	2.996%
66	13.915	1970	1973	1978	rVB4	1809521	2696508	18.01%	1.143%
67	13.976	1979	1983	1986	rBV3	1885038	2981076	19.91%	1.264%
68	14.129	2005	2008	2013	rVB	2515142	3725835	24.88%	1.580%
69	14.189	2014	2018	2022	rBV4	1513612	2484900	16.60%	1.054%
70	14.257	2025	2029	2035	rVB5	2058600	3547848	23.70%	1.504%
71	14.311	2035	2038	2042	rBV3	784883	1312895	8.77%	0.557%
72	14.378	2043	2049	2054	rBV2	4942789	8872598	59.26%	3.762%
73	14.543	2072	2076	2081	rVB4	2643195	4121820	27.53%	1.748%
74	14.732	2104	2107	2112	rBV4	934064	1485656	9.92%	0.630%
75	14.793	2113	2117	2120	rVV2	2422150	4397579	29.37%	1.865%
76	14.836	2120	2124	2131	rVB2	5287936	10061786	67.20%	4.266%

LSC Area Percent Report

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ClientSampleId :
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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Title : SW846 8260

77	15.317	2198	2203	2210	rVB	6157020	9964334	66.55%	4.225%
78	15.561	2239	2243	2249	rBV5	931126	2025489	13.53%	0.859%
79	15.622	2250	2253	2255	rBV3	783535	1140946	7.62%	0.484%
80	15.720	2265	2269	2277	rVB6	2634197	5520431	36.87%	2.341%
81	16.201	2346	2348	2354	rVB3	1198642	1897142	12.67%	0.804%
82	16.274	2355	2360	2368	rVB	3804884	7528411	50.28%	3.192%

Sum of corrected areas: 235838600

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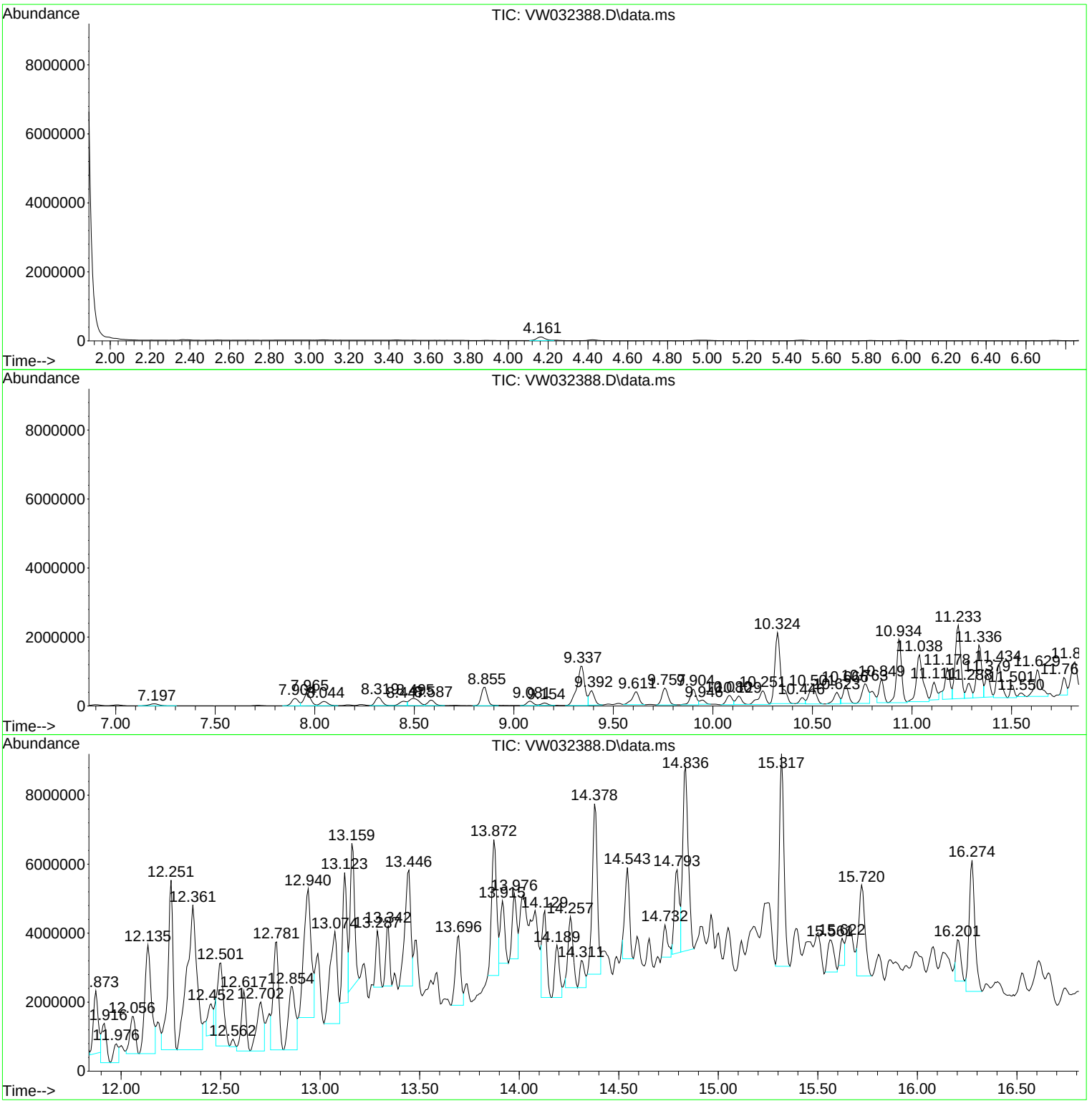
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

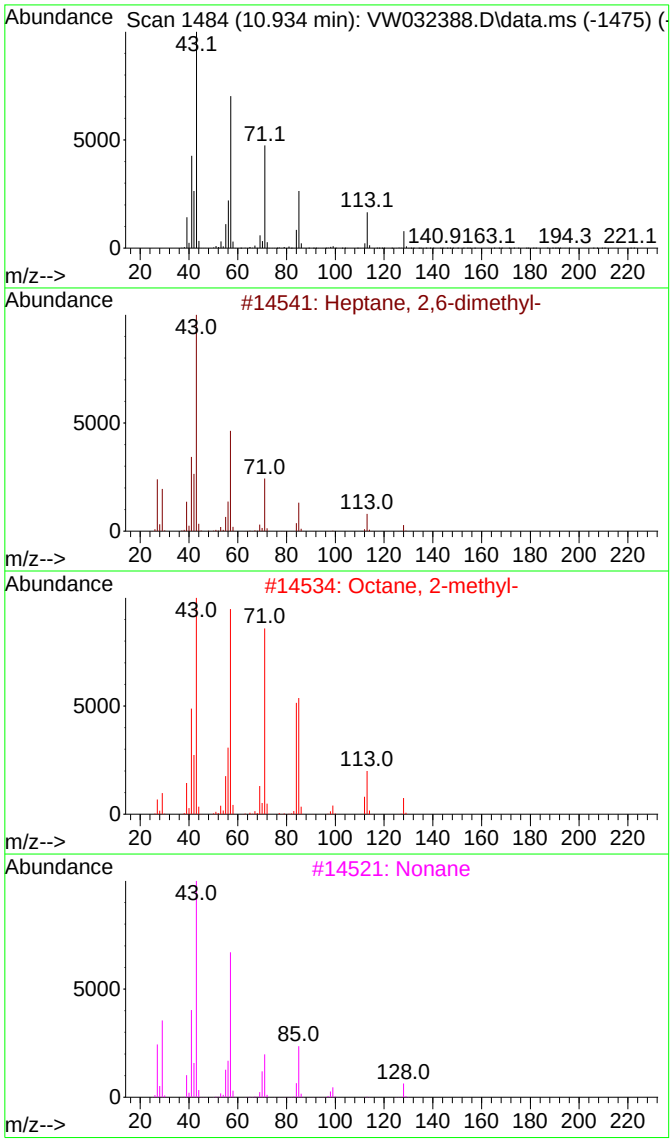
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

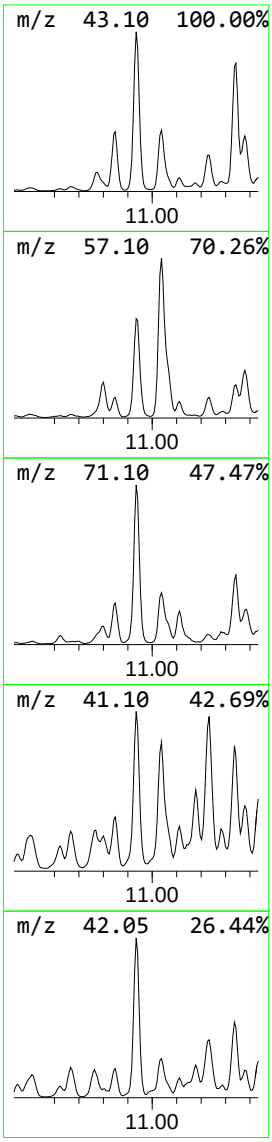
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.934	92.13 ug/l	3200540	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2	Octane, 2-methyl-	128	C9H20	003221-61-2	90
3	Nonane	128	C9H20	000111-84-2	58
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
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Operator : SY/MD
Sample : Q3376-01
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

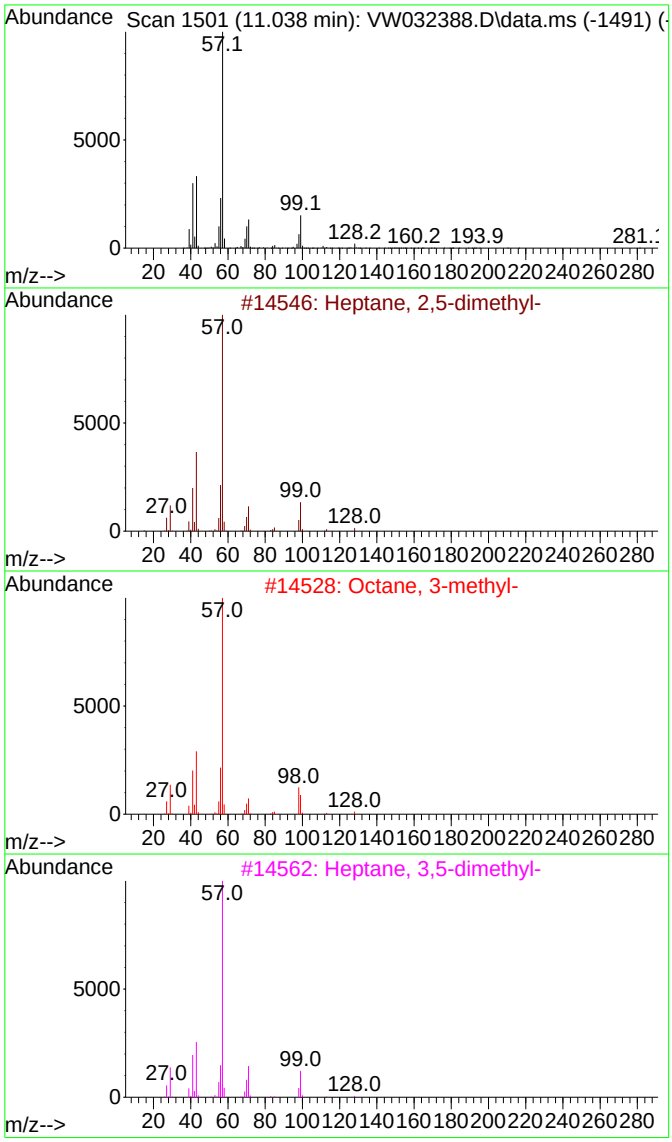
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

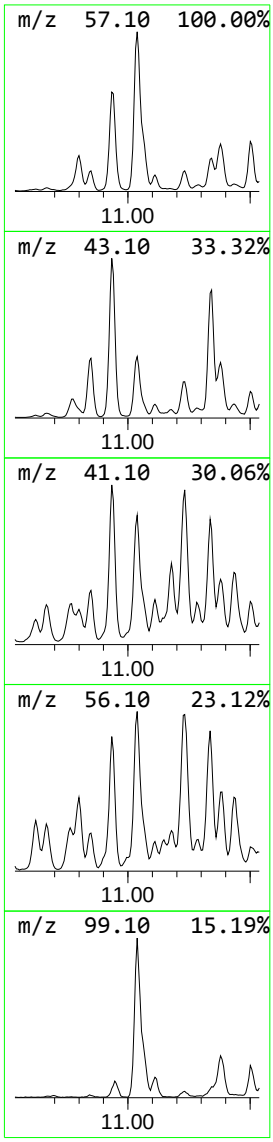
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	88.91 ug/l	3088470	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Octane, 3-methyl-	128	C9H20	002216-33-3	83
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
4	2,2,4,4-Tetramethyloctane	170	C12H26	062183-79-3	53
5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
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Operator : SY/MD
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Instrument :
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ClientSampleId :
PR132-S05-057082-20251016

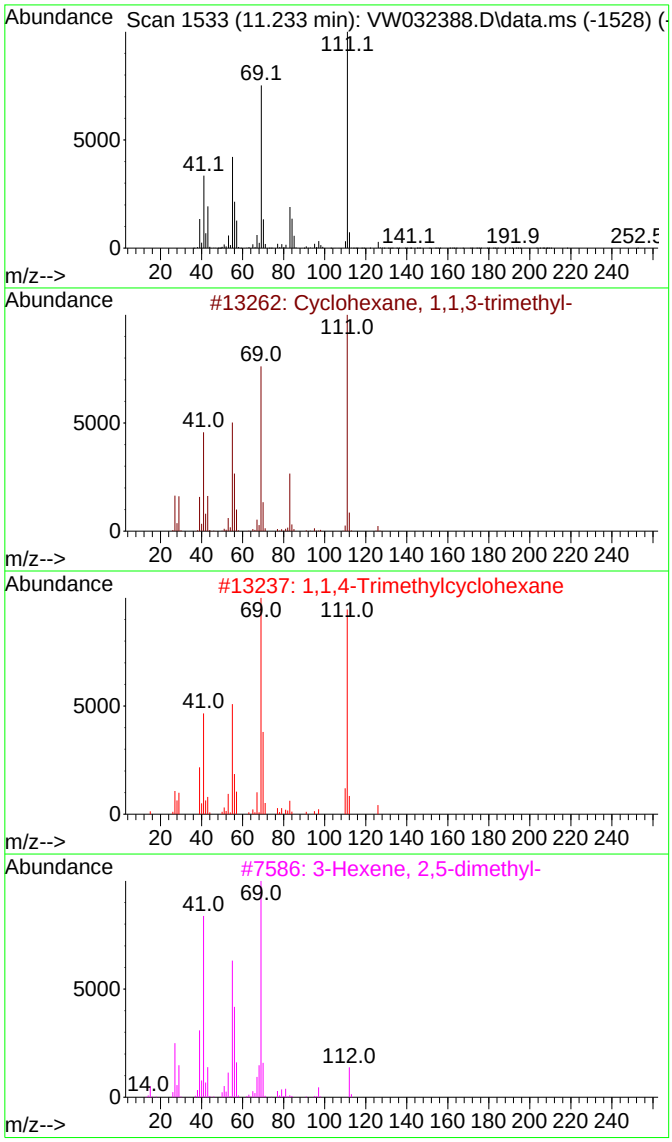
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

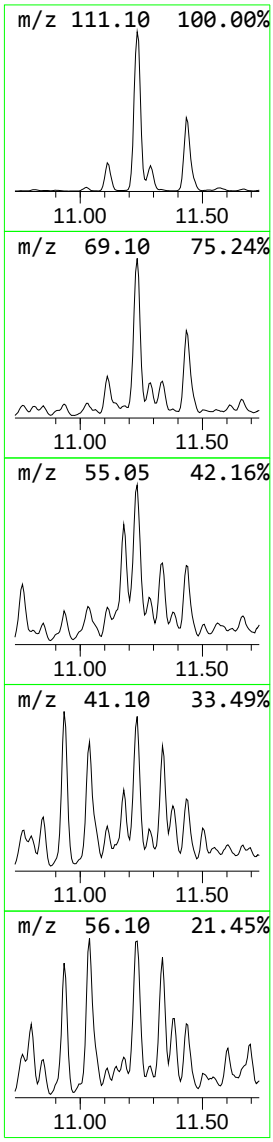
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	117.50 ug/l	4081780	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
3	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	49
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	43





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Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

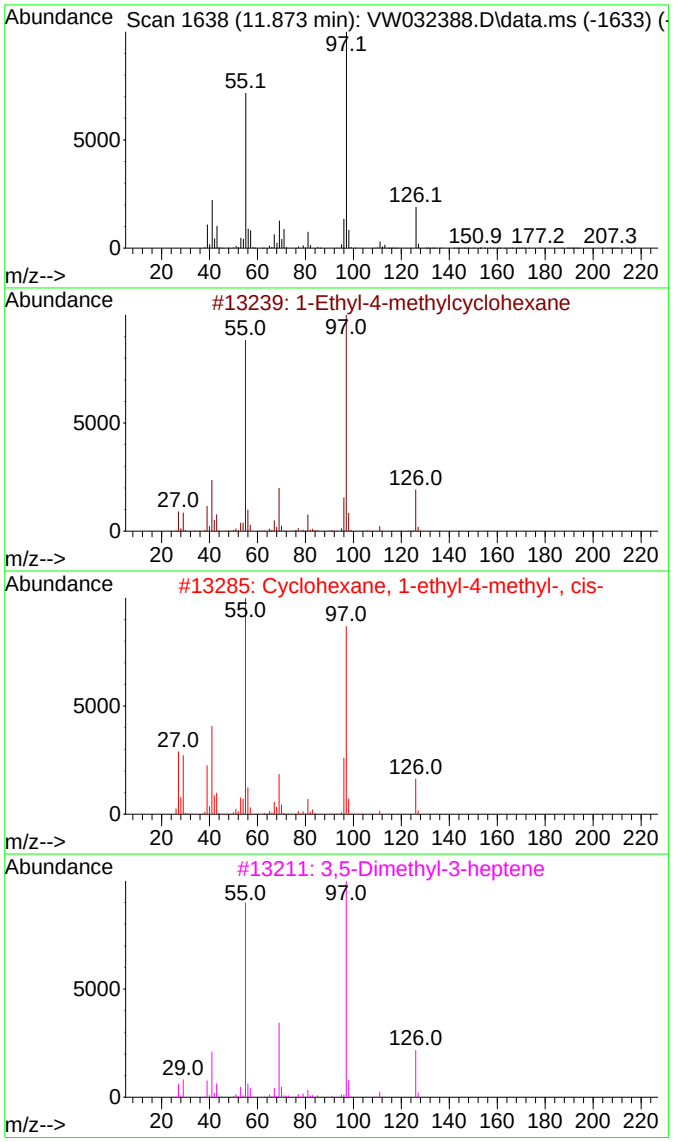
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

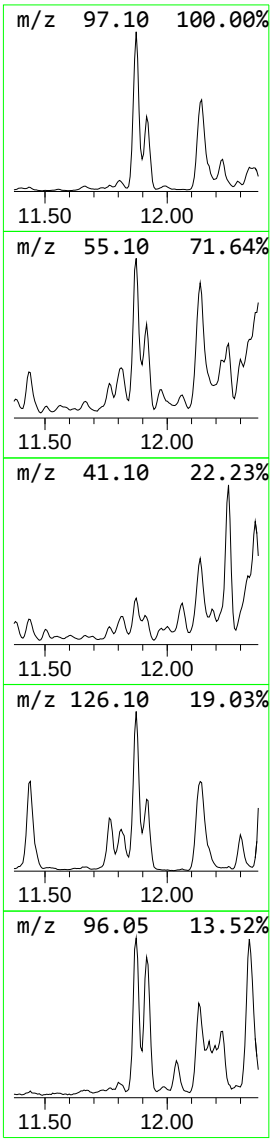
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Ethyl-4-methylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.873	89.68 ug/l	3115540	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	87
4	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	80
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	74





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Operator : SY/MD
Sample : Q3376-01
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

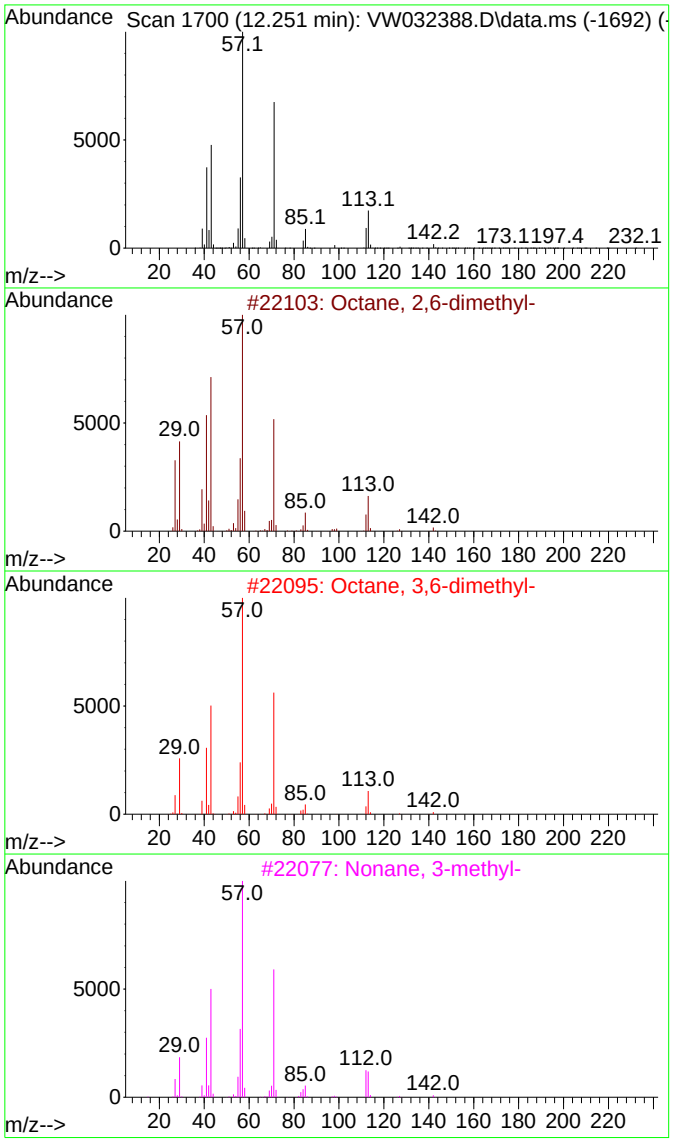
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

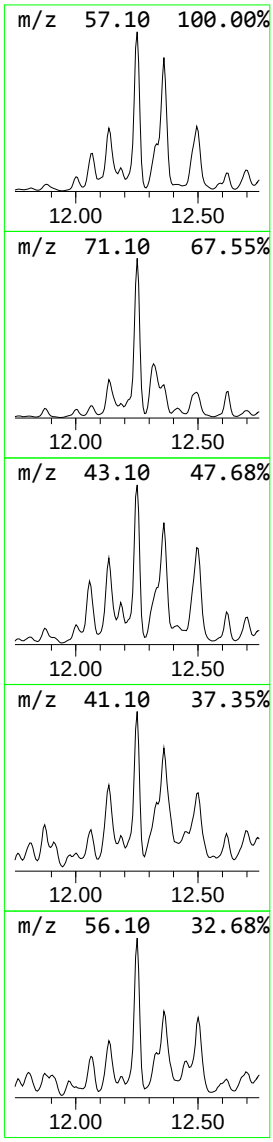
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	247.65 ug/l	8603240	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
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Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PR132-S05-057082-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

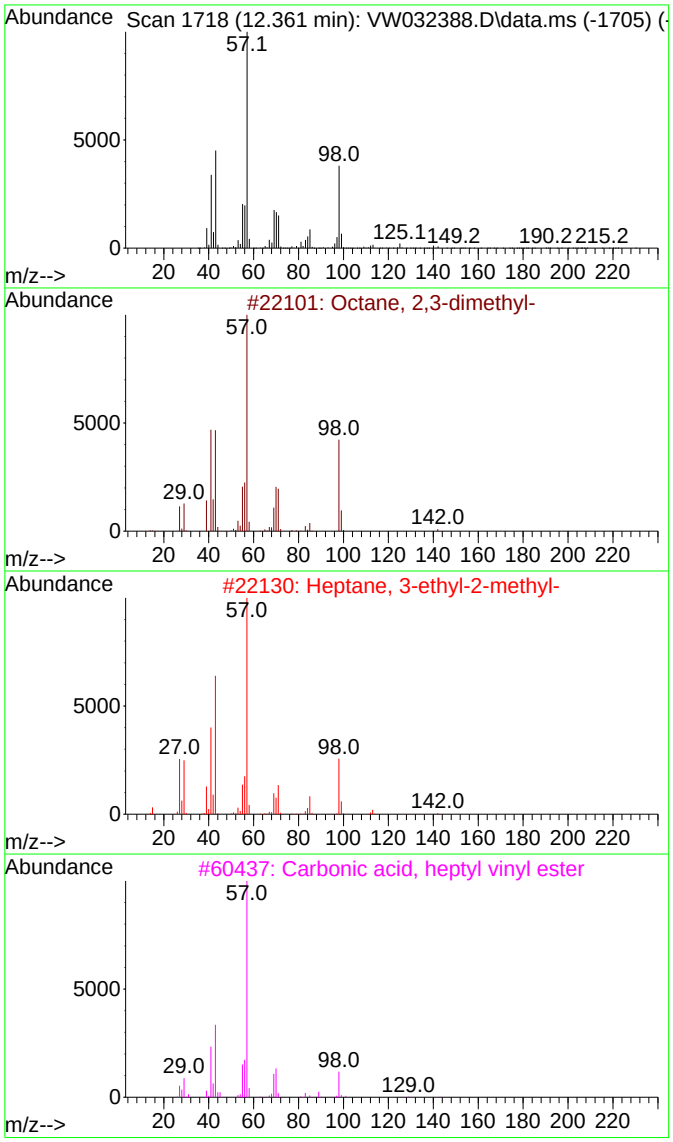
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

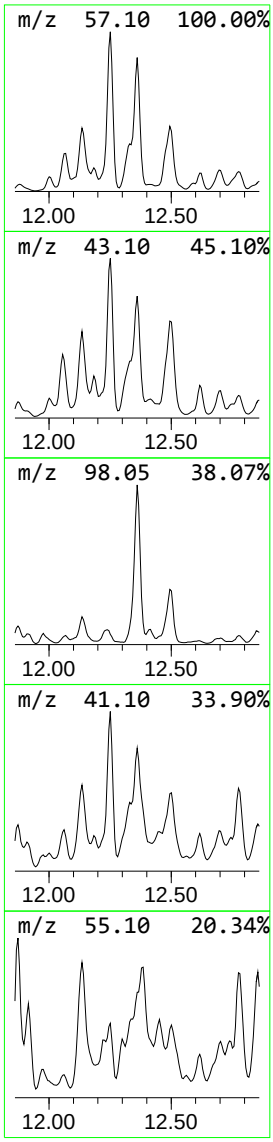
****

Peak Number 7 Octane, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.361	430.99 ug/l	14972300	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	87
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	86
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	64
4	Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

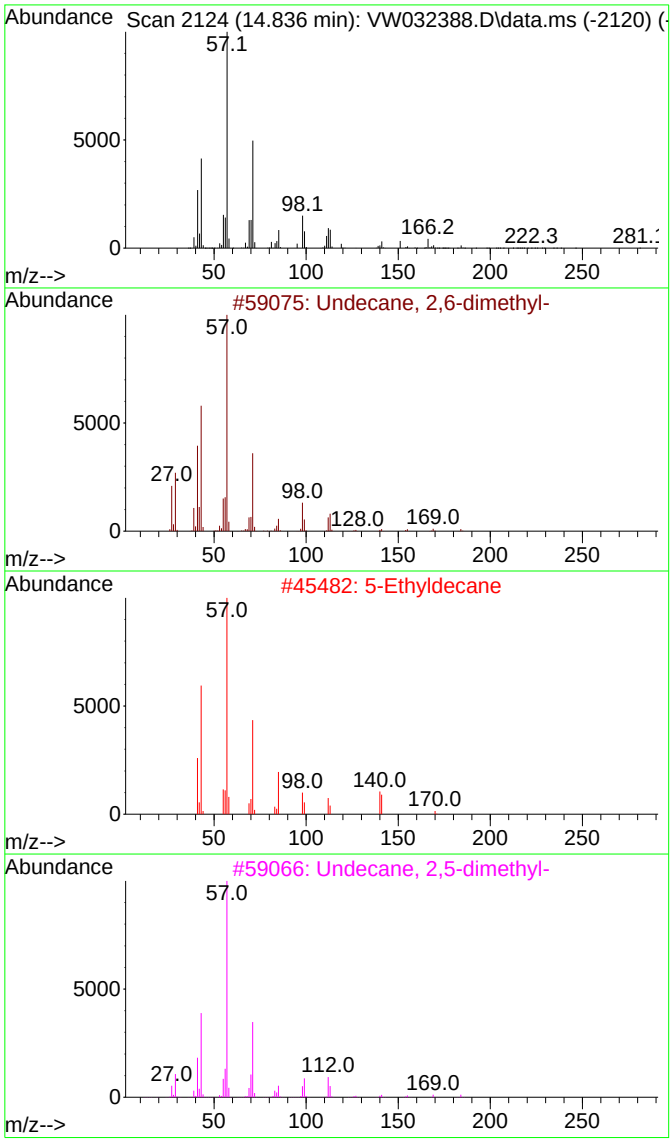
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

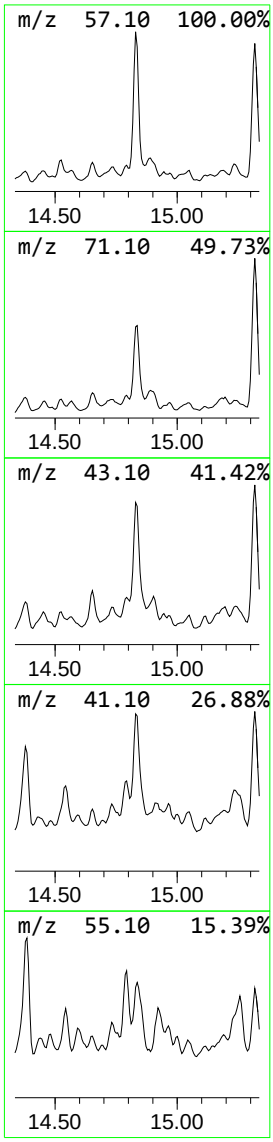
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	71.61 ug/l	10061800	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	5-Ethyldecane	170	C12H26	017302-36-2	64
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	59
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
Data File : VW032388.D
Acq On : 20 Oct 2025 14:56
Operator : SY/MD
Sample : Q3376-01
Misc : 5.56g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PR132-S05-057082-20251016

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.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
Heptane, 2,6-di...	10.934	92.1	ug/l	3200540	3	11.629	1736950	50.0
Heptane, 2,5-di...	11.038	88.9	ug/l	3088470	3	11.629	1736950	50.0
Cyclohexane, 1,...	11.233	117.5	ug/l	4081780	3	11.629	1736950	50.0
1-Ethyl-4-methy...	11.873	89.7	ug/l	3115540	3	11.629	1736950	50.0
Octane, 2,6-dim...	12.251	247.7	ug/l	8603240	3	11.629	1736950	50.0
Octane, 2,3-dim...	12.361	431.0	ug/l	14972300	3	11.629	1736950	50.0
Undecane, 2,6-d...	14.836	71.6	ug/l	10061800	4	13.556	7025580	50.0