LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

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_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088138.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.536	88	99	111	rBV	432966	759715	3.71%	0.471%
2	3.265	213	223	242	rBV	809834	1975264	9.64%	1.224%
3	3.653	280	289	303	rBV3	227244	687305	3.35%	0.426%
4	4.148	363	373	385	rVB2	130016	373745	1.82%	0.232%
5	4.418	408	419	432	rVB3	58866	205199	1.00%	0.127%
6	5.265	552	563	567	rVV4	111889	379011	1.85%	0.235%
7	5.371	568	581	601	rVB4	270725	1511151	7.38%	0.937%
8	5.800	639	654	673	rBV3	372299	1367181	6.67%	0.847%
9	6.641	777	797	808	rBV	85815	274075	1.34%	0.170%
10	7.312	899	911	930	rVB	778527	2316425	11.31%	1.436%
11	7.988	1017	1026	1035	rVB3	114434	291580	1.42%	0.181%
12	8.147	1043	1053	1058	rBV	296988	729479	3.56%	0.452%
13	8.212	1058	1064	1066	rBV	402132	791283	3.86%	0.490%
14	8.312	1076	1081	1091	rVB3	149223	375746	1.83%	0.233%
15	8.430	1091	1101	1107	rBV2	89659	211123	1.03%	0.131%
16	8.588	1116	1128	1141	rBV	2401449	6135132	29.95%	3.802%
17	8.718	1141	1150	1154	rBV4	161948	467810	2.28%	0.290%
18	8.835	1165	1170	1179	rVB3	104977	247433	1.21%	0.153%
19	9.082	1202	1212	1225	rBV	886963	2039255	9.95%	1.264%
20	9.582	1278	1297	1312	rBV2	402219	1225540	5.98%	0.760%
21	10.082	1375	1382	1386	rBV2	203447	401569	1.96%	0.249%
22	10.124	1386	1389	1401	rVB3	127573	269635	1.32%	0.167%
23	10.300	1412	1419	1431	rBV2	175676	482491	2.36%	0.299%
24	10.429	1435	1441	1453	rVB2	176845	380586	1.86%	0.236%
25	10.547	1453	1461	1467	rBV	1220282	2271963	11.09%	1.408%
26	10.612	1467	1472	1484	rVV	265132	603797	2.95%	0.374%
27	10.741	1484	1494	1500	rVV	416240	818312	3.99%	0.507%
28	10.812	1500	1506	1513	rVB	435282	751613	3.67%	0.466%
29	10.959	1525	1531	1541	rVB4	99941	266819	1.30%	0.165%
30	11.847	1674	1682	1691	rBV	1149978	2221651	10.84%	1.377%
31	11.941	1691	1698	1708	rVV	3460846	5968642	29.13%	3.699%
32	12.053	1708	1717	1731	rVV	10261883	18037675	88.04%	11.179%
33	12.194	1735	1741	1751	rVB6	96598	222050	1.08%	0.138%
34	12.376	1760	1772	1791	rVB	8138824	13901773	67.85%	8.616%
35	12.671	1817	1822	1830	rVB	383909	655973	3.20%	0.407%
36	12.829	1842	1849	1868	rBV	846687	1553745	7.58%	0.963%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

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_N\methods\82N102325W.M
Title : SW846 8260

37	13.012	1874	1880	1886	rBV	608224	1015195	4.96%	0.629%
38	13.076	1886	1891	1892	rVV	610943	873394	4.26%	0.541%
39	13.106	1892	1896	1901	rVV	2480519	4200159	20.50%	2.603%
40	13.153	1901	1904	1914	rVB	589736	903824	4.41%	0.560%
41	13.312	1924	1931	1940	rBV	2713588	4520479	22.06%	2.802%
42	13.459	1948	1956	1971	rBV	12731341	20487577	100.00%	12.697%
43	13.653	1983	1989	1994	rBV	144633	236324	1.15%	0.146%
44	13.794	2002	2013	2022	rBV2	4411984	9295523	45.37%	5.761%
45	13.929	2030	2036	2038	rBV	707362	1166610	5.69%	0.723%
46	13.970	2038	2043	2058	rVV	8234992	14896691	72.71%	9.232%
47	14.094	2059	2064	2068	rVV	171139	260536	1.27%	0.161%
48	14.153	2068	2074	2080	rVV2	552230	1009825	4.93%	0.626%
49	14.217	2080	2085	2088	rVV	605931	1019872	4.98%	0.632%
50	14.247	2088	2090	2095	rVV	536129	756701	3.69%	0.469%
51	14.306	2095	2100	2106	rVV	1802693	2804944	13.69%	1.738%
52	14.370	2106	2111	2114	rVV	317026	506369	2.47%	0.314%
53	14.417	2114	2119	2128	rVB2	1617027	2816191	13.75%	1.745%
54	14.553	2136	2142	2147	rVB2	291371	479095	2.34%	0.297%
55	14.629	2148	2155	2158	rBV	1076826	1736316	8.47%	1.076%
56	14.670	2158	2162	2167	rVB	755167	1176417	5.74%	0.729%
57	14.900	2196	2201	2207	rBV	1105511	1833506	8.95%	1.136%
58	15.023	2213	2222	2229	rBV2	2324240	4896867	23.90%	3.035%
59	15.094	2229	2234	2242	rVB3	184839	372989	1.82%	0.231%
60	15.182	2242	2249	2257	rBV	417921	772833	3.77%	0.479%
61	15.294	2258	2268	2273	rBV4	258507	627870	3.06%	0.389%
62	15.412	2280	2288	2297	rVB3	232926	599162	2.92%	0.371%
63	15.611	2313	2322	2334	rBV	4908064	9522459	46.48%	5.902%
64	15.717	2334	2340	2347	rVV	249569	547426	2.67%	0.339%
65	16.106	2398	2406	2421	rVB2	62350	208095	1.02%	0.129%
66	16.747	2508	2515	2522	rVV	282990	639577	3.12%	0.396%

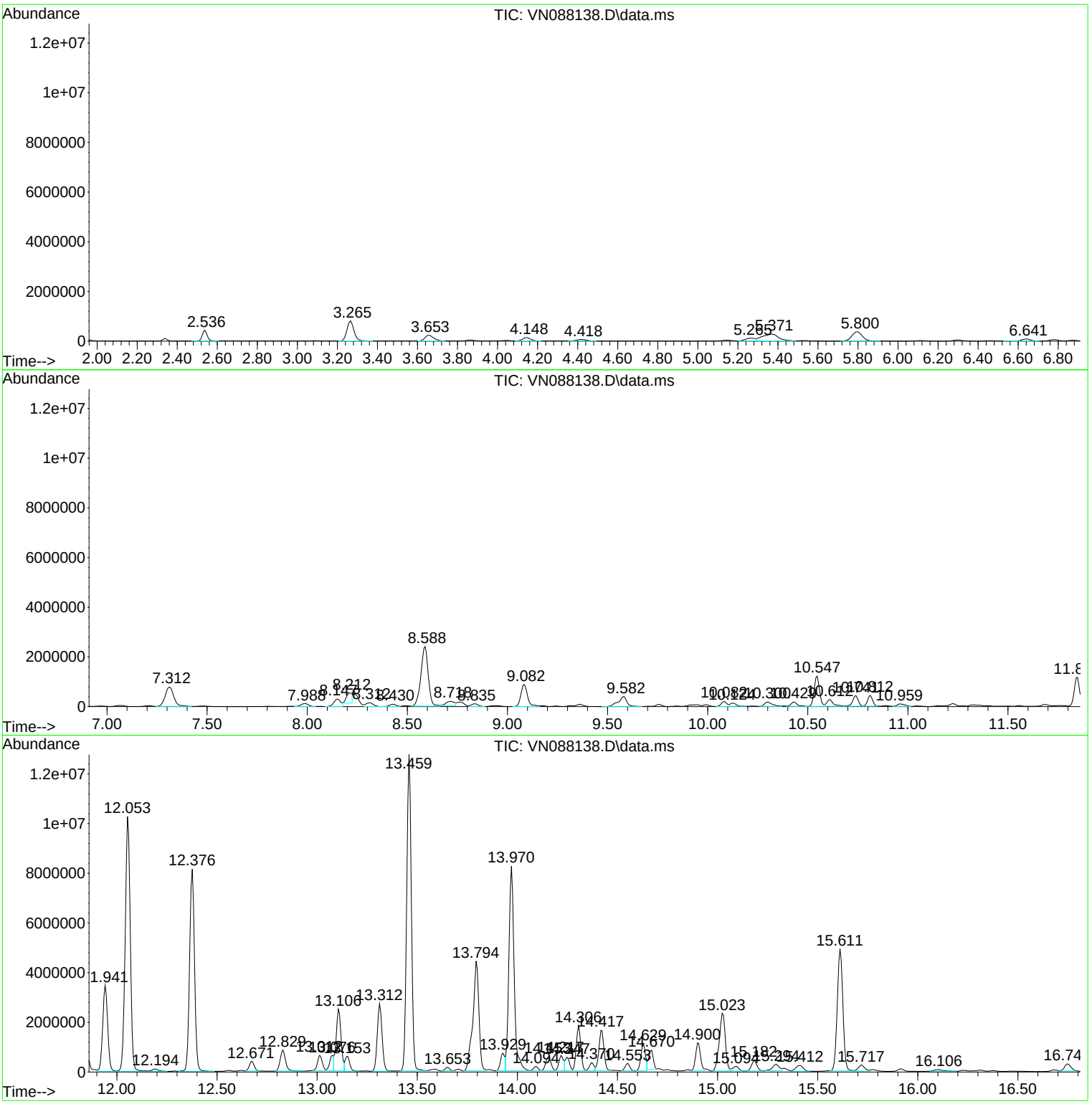
Sum of corrected areas: 161354572

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

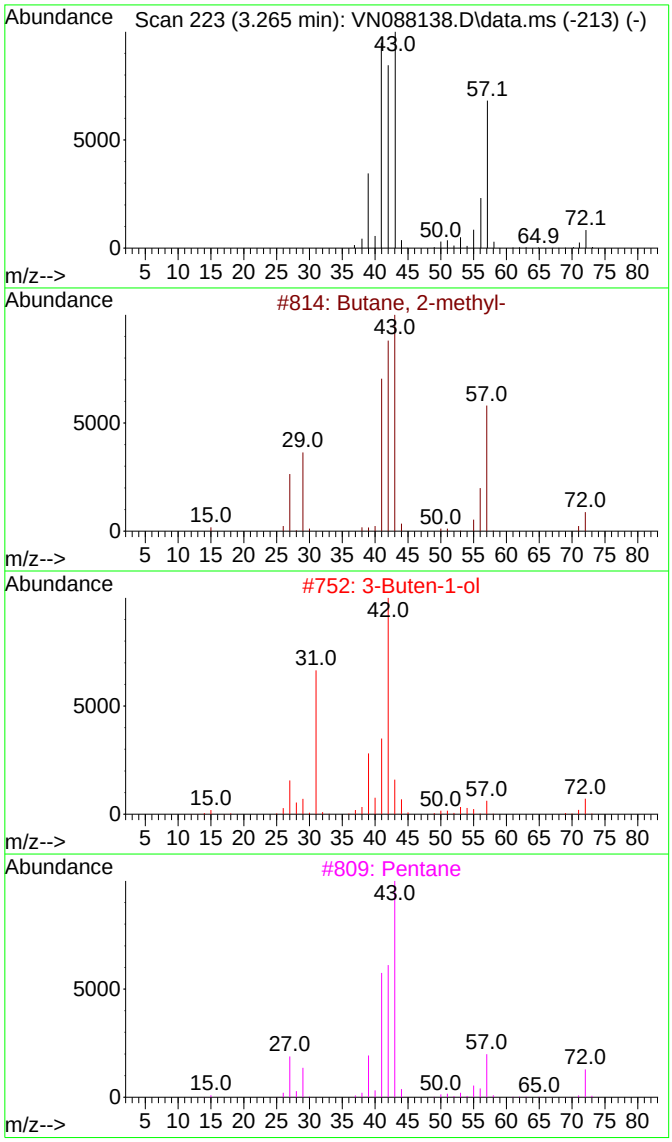
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

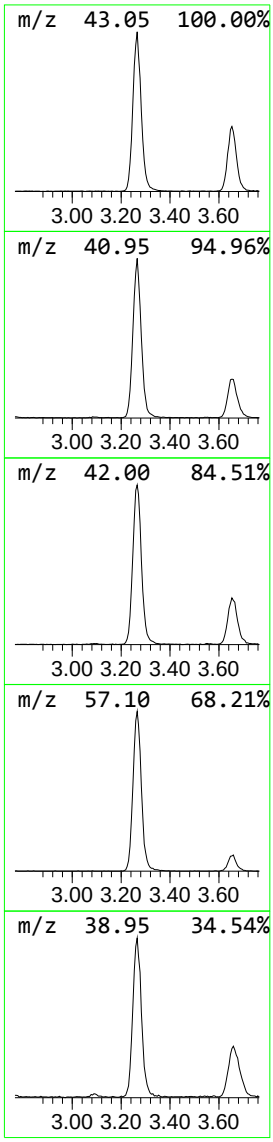
****

Peak Number 2 Butane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.265	124.81 ug/l	1975260	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
5	Azetidine	57	C3H7N	000503-29-7	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

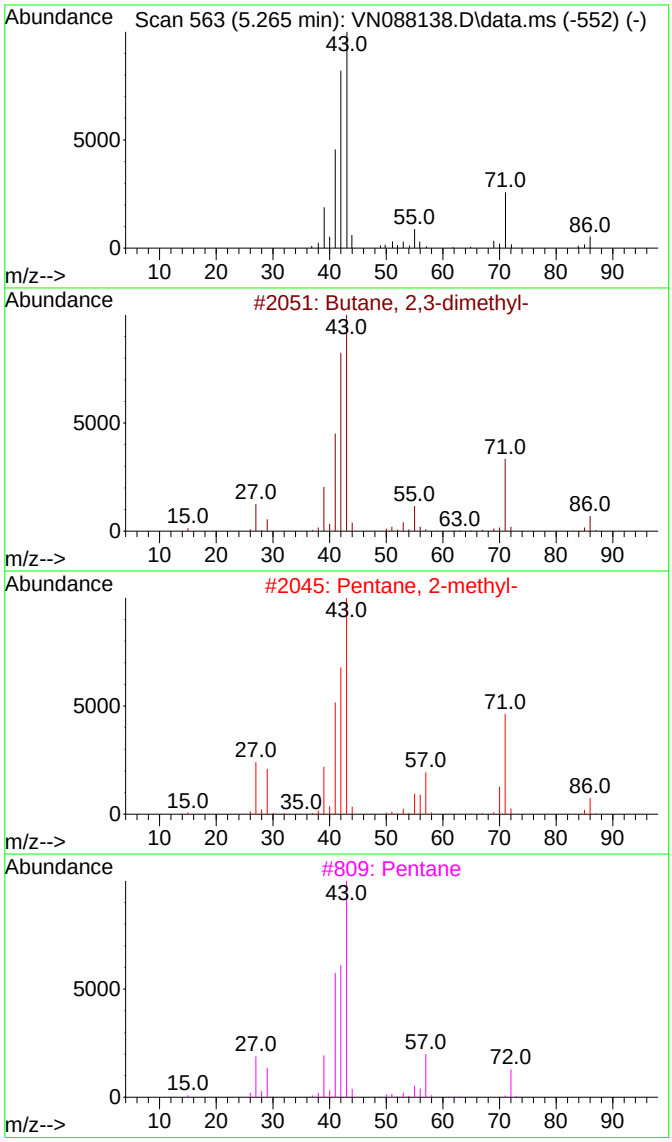
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

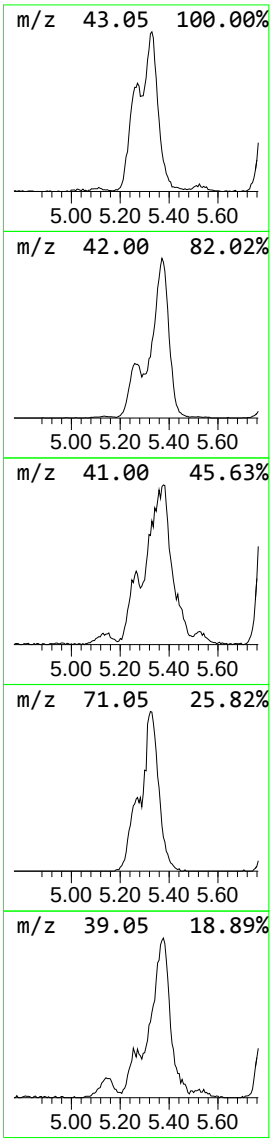
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.265	23.95 ug/l	379011	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
3	Pentane	72	C5H12	000109-66-0	38
4	Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	22
5	Hydroxylamine, O-(3-methylbutyl)-	103	C5H13NO	019411-65-5	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

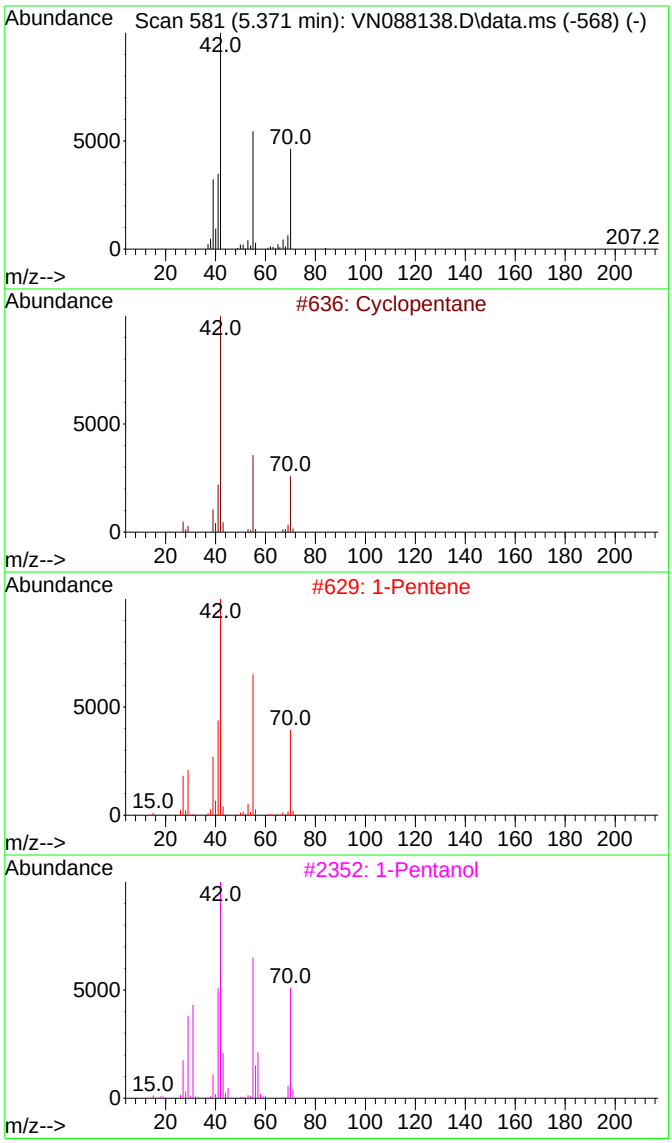
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

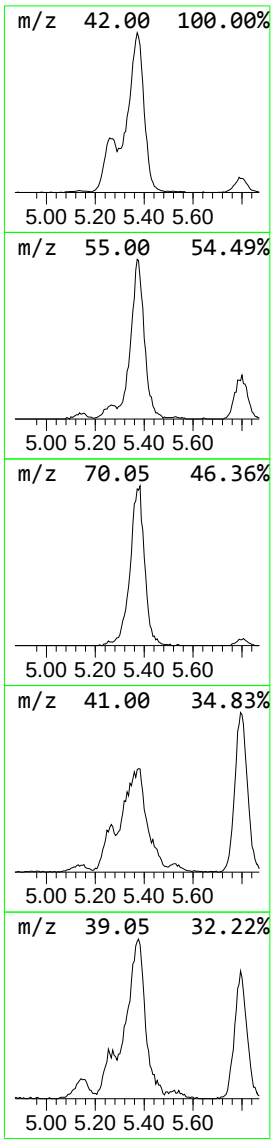
****

Peak Number 5 Cyclopentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.371	95.49 ug/l	1511150	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	1-Pentene	70	C5H10	000109-67-1	78
3	1-Pentanol	88	C5H12O	000071-41-0	72
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

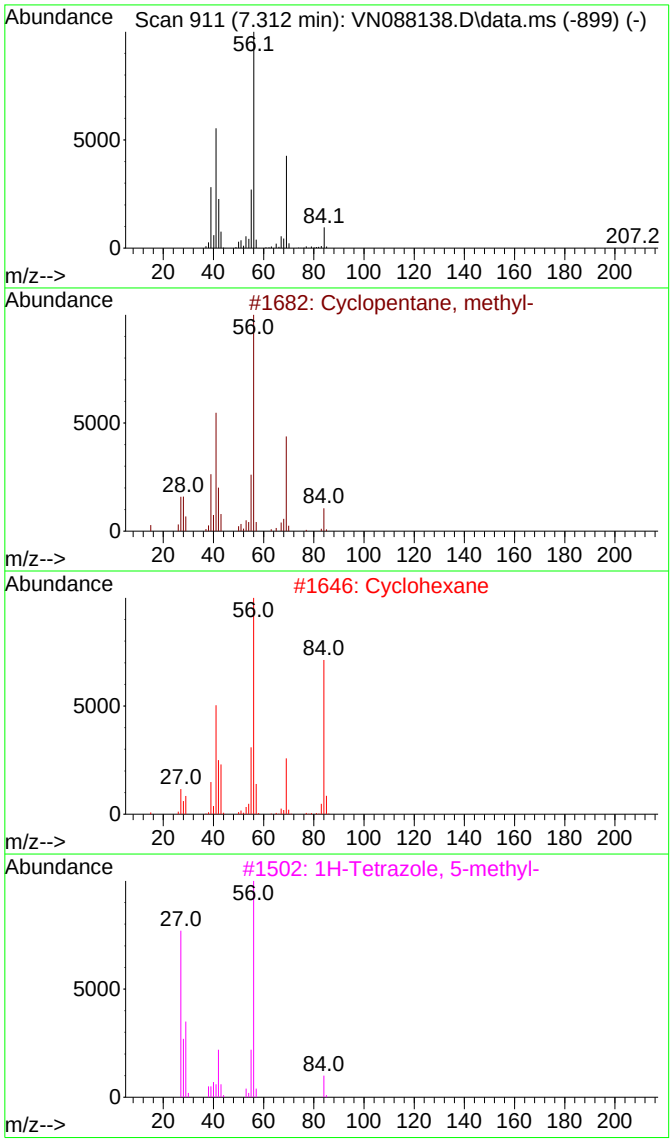
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

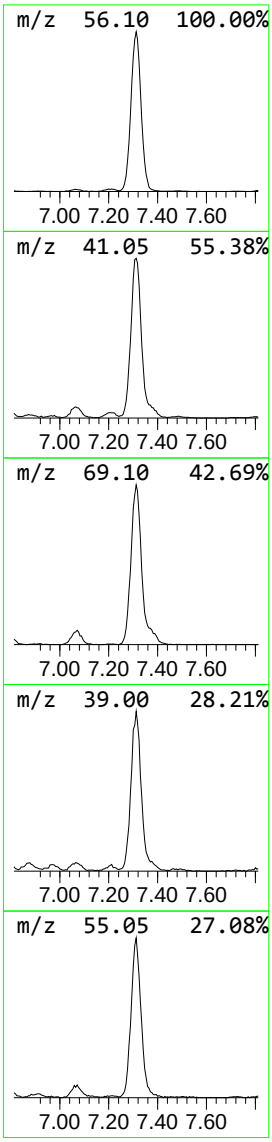
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	146.37 ug/l	2316430	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

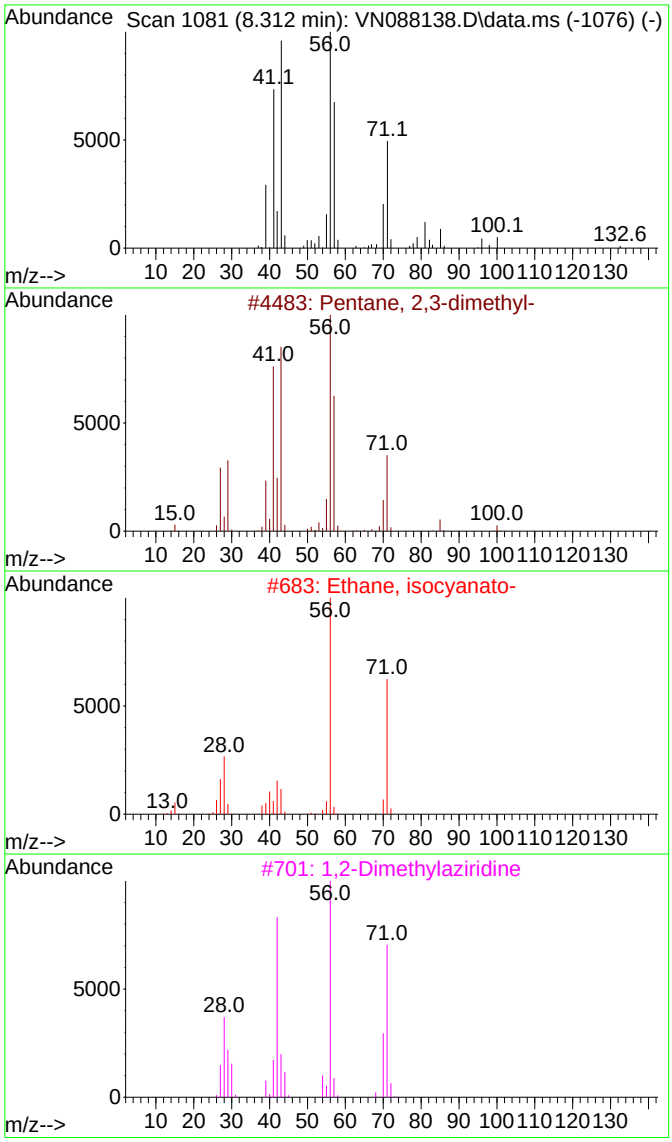
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

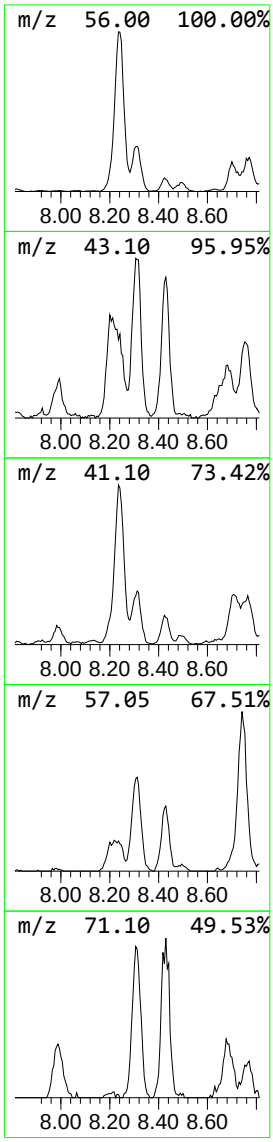
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.312	23.74 ug/l	375746	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	Ethane, isocyanato-	71	C3H5NO	000109-90-0	53
3	1,2-Dimethylaziridine	71	C4H9N	030757-96-1	50
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	43
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

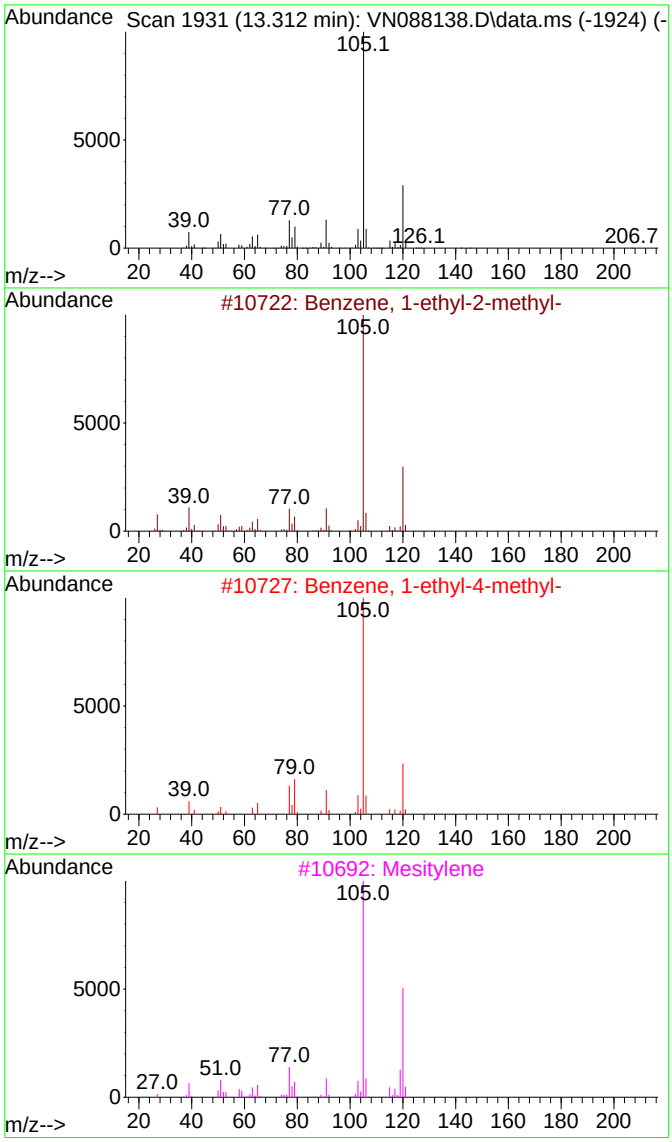
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

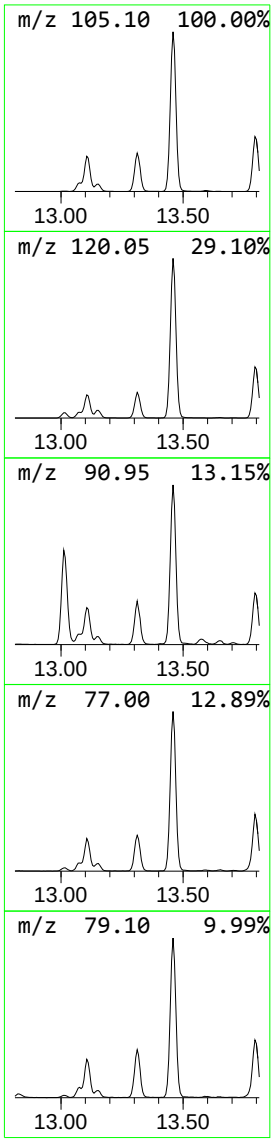
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	24.32 ug/l	4520480	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

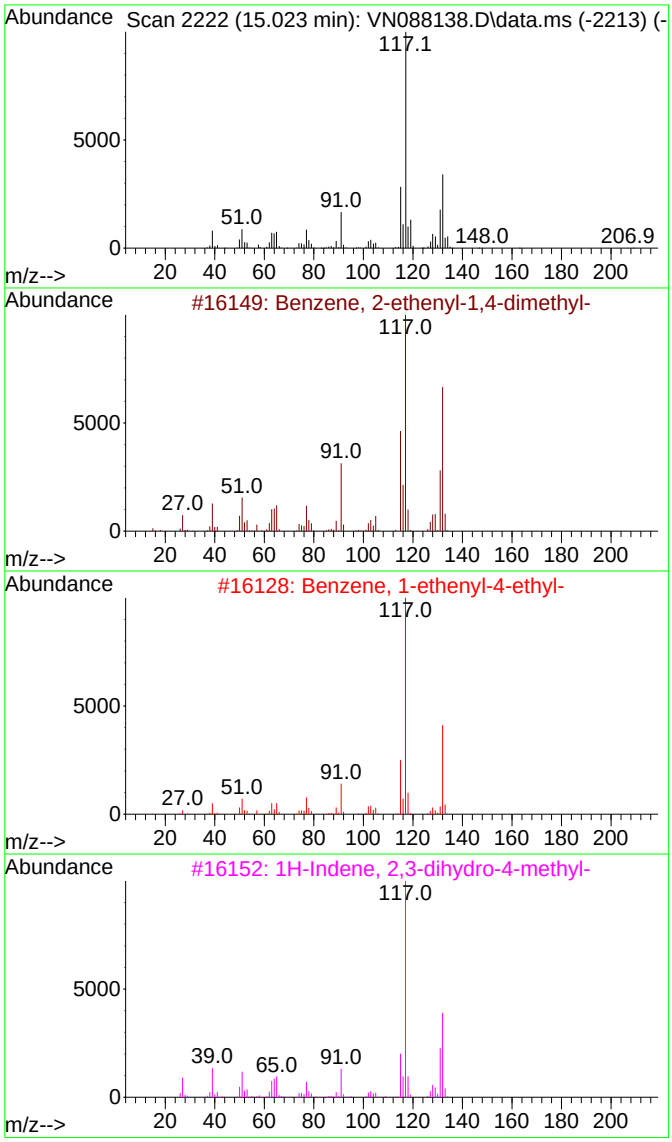
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

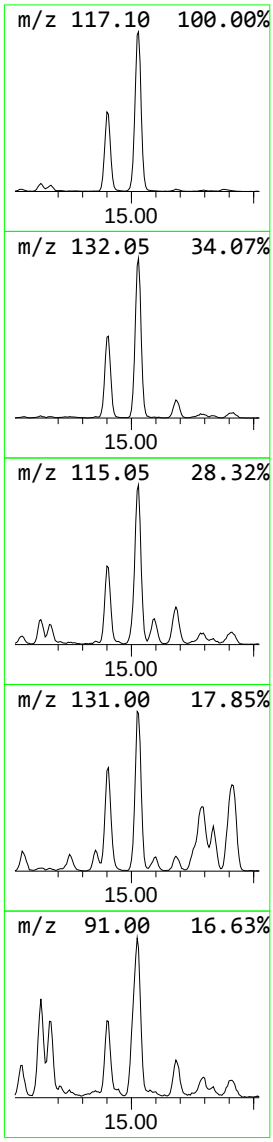
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	26.34 ug/l	4896870	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088138.D
Acq On : 28 Oct 2025 14:40
Operator : JC\MD
Sample : Q3468-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.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
Butane, 2-methyl-	3.265	124.8	ug/l	1975260	1	8.206	791283	50.0
Butane, 2,3-dim...	5.265	23.9	ug/l	379011	1	8.206	791283	50.0
Cyclopentane	5.371	95.5	ug/l	1511150	1	8.206	791283	50.0
Cyclopentane, m...	7.312	146.4	ug/l	2316430	1	8.206	791283	50.0
Pentane, 2,3-di...	8.312	23.7	ug/l	375746	1	8.206	791283	50.0
Benzene, 1-ethy...	13.312	24.3	ug/l	4520480	4	13.770	9295520	50.0
Benzene, 2-ethe...	15.023	26.3	ug/l	4896870	4	13.770	9295520	50.0