LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

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\82D072919S.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	1.478	3	5	24	rVB	1090861	2656153	71.24%	7.475%
2	1.753	27	33	36	rBV	11803	37306	1.00%	0.105%
3	2.196	75	78	82	rBV	45279	83388	2.24%	0.235%
4	3.220	177	182	188	rVB	44323	119903	3.22%	0.337%
5	3.801	235	241	253	rBV	51976	144792	3.88%	0.407%
6	3.988	254	260	266	rVB3	16473	44320	1.19%	0.125%
7	6.154	473	480	490	rVB	72500	232726	6.24%	0.655%
8	6.912	547	557	564	rBV	701239	1992443	53.44%	5.607%
9	7.040	564	570	585	rVB	975793	3015901	80.89%	8.487%
10	7.443	605	611	621	rBV2	521142	1346759	36.12%	3.790%
11	8.211	682	689	705	rBV	1325394	3351081	89.88%	9.430%
12	10.407	906	912	919	rBV	1602316	3514514	94.27%	9.890%
13	10.505	919	922	928	rVB	20384	48326	1.30%	0.136%
14	12.366	1107	1111	1118	rVB	2302860	3728308	100.00%	10.492%
15	13.547	1228	1231	1236	rBV	1739015	2727438	73.15%	7.675%
16	13.704	1244	1247	1252	rVB	57437	95239	2.55%	0.268%
17	13.931	1267	1270	1272	rVB	63257	83917	2.25%	0.236%
18	14.079	1281	1285	1287	rBV	79359	111318	2.99%	0.313%
19	14.364	1308	1314	1319	rBV7	18383	72313	1.94%	0.204%
20	14.433	1319	1321	1324	rBV	70458	91450	2.45%	0.257%
21	14.512	1326	1329	1332	rVV	2773579	3586067	96.18%	10.092%
22	14.551	1332	1333	1337	rVB	146950	178381	4.78%	0.502%
23	14.620	1337	1340	1344	rVB5	28371	72034	1.93%	0.203%
24	14.699	1344	1348	1350	rBV2	63797	122294	3.28%	0.344%
25	14.728	1350	1351	1353	rVB	108582	103178	2.77%	0.290%
26	14.778	1353	1356	1358	rBV	197232	292854	7.85%	0.824%
27	14.807	1358	1359	1361	rVB	54785	43413	1.16%	0.122%
28	14.905	1366	1369	1374	rBV	91002	128618	3.45%	0.362%
29	14.974	1374	1376	1377	rBV	43163	41396	1.11%	0.116%
30	15.004	1377	1379	1381	rVB2	57534	73374	1.97%	0.206%
31	15.053	1381	1384	1386	rBV	134270	171276	4.59%	0.482%
32	15.132	1389	1392	1396	rVB3	151320	286899	7.70%	0.807%
33	15.220	1398	1401	1403	rVB2	65776	101182	2.71%	0.285%
34	15.270	1403	1406	1409	rBV2	119859	211978	5.69%	0.597%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

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\82D072919S.M
Title : SW846 8260

35	15.339	1411	1413	1415	rBV	95937	105335	2.83%	0.296%
36	15.378	1415	1417	1419	rVB	149618	182599	4.90%	0.514%
37	15.427	1419	1422	1424	rBV2	170897	239978	6.44%	0.675%
38	15.467	1424	1426	1429	rVB3	59984	89972	2.41%	0.253%
39	15.545	1429	1434	1436	rBV3	92203	190445	5.11%	0.536%
40	15.604	1436	1440	1441	rVB2	33909	49342	1.32%	0.139%
41	15.624	1441	1442	1444	rVB	88309	80915	2.17%	0.228%
42	15.673	1444	1447	1451	rBV2	641390	1001937	26.87%	2.820%
43	15.732	1451	1453	1456	rVB2	78984	100178	2.69%	0.282%
44	15.791	1456	1459	1464	rVB	320550	445590	11.95%	1.254%
45	15.910	1464	1471	1472	rBV2	178675	462199	12.40%	1.301%
46	15.929	1472	1473	1475	rVB	197687	151749	4.07%	0.427%
47	15.998	1475	1480	1481	rBV2	192830	355810	9.54%	1.001%
48	16.175	1488	1498	1500	rBV3	234055	458350	12.29%	1.290%
49	16.225	1500	1503	1505	rVV	248397	397958	10.67%	1.120%
50	16.254	1505	1506	1508	rVV2	112950	135098	3.62%	0.380%
51	16.294	1508	1510	1512	rVV2	60089	74490	2.00%	0.210%
52	16.353	1514	1516	1520	rVV2	123475	175447	4.71%	0.494%
53	16.422	1520	1523	1525	rVB3	41469	80390	2.16%	0.226%
54	16.481	1525	1529	1530	rBV2	197276	337060	9.04%	0.949%
55	16.500	1530	1531	1534	rVV	287851	340306	9.13%	0.958%
56	16.579	1536	1539	1541	rVV3	71388	113279	3.04%	0.319%
57	16.618	1541	1543	1547	rVV	134980	233208	6.26%	0.656%
58	16.727	1551	1554	1557	rBV	268419	364633	9.78%	1.026%
59	16.874	1565	1569	1571	rBV2	120828	218153	5.85%	0.614%
60	16.914	1571	1573	1576	rVB2	55083	87355	2.34%	0.246%
61	17.052	1584	1587	1591	rBV6	39926	93840	2.52%	0.264%
62	17.150	1594	1597	1601	rVB3	26743	58408	1.57%	0.164%

Sum of corrected areas: 35534563

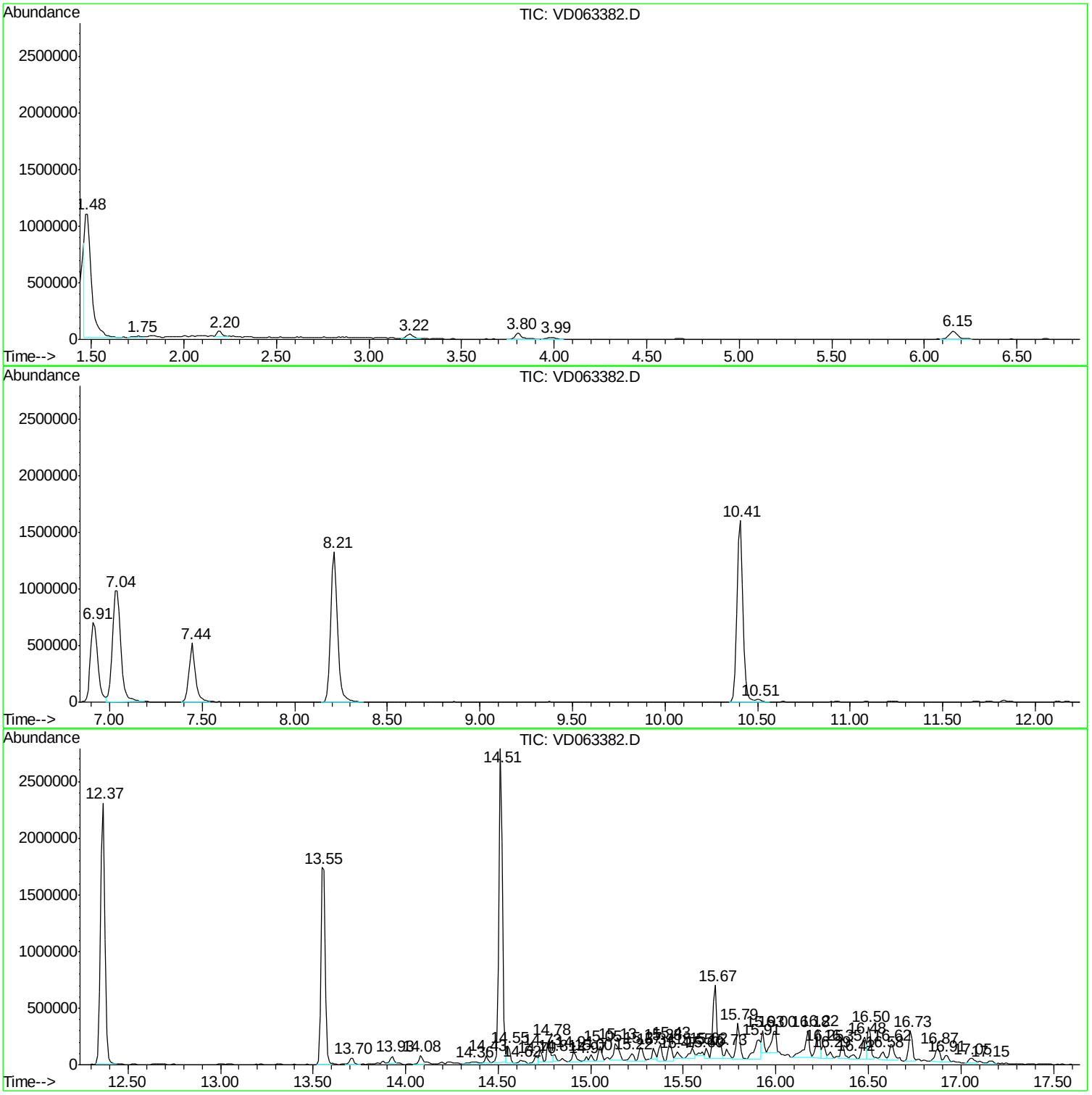
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

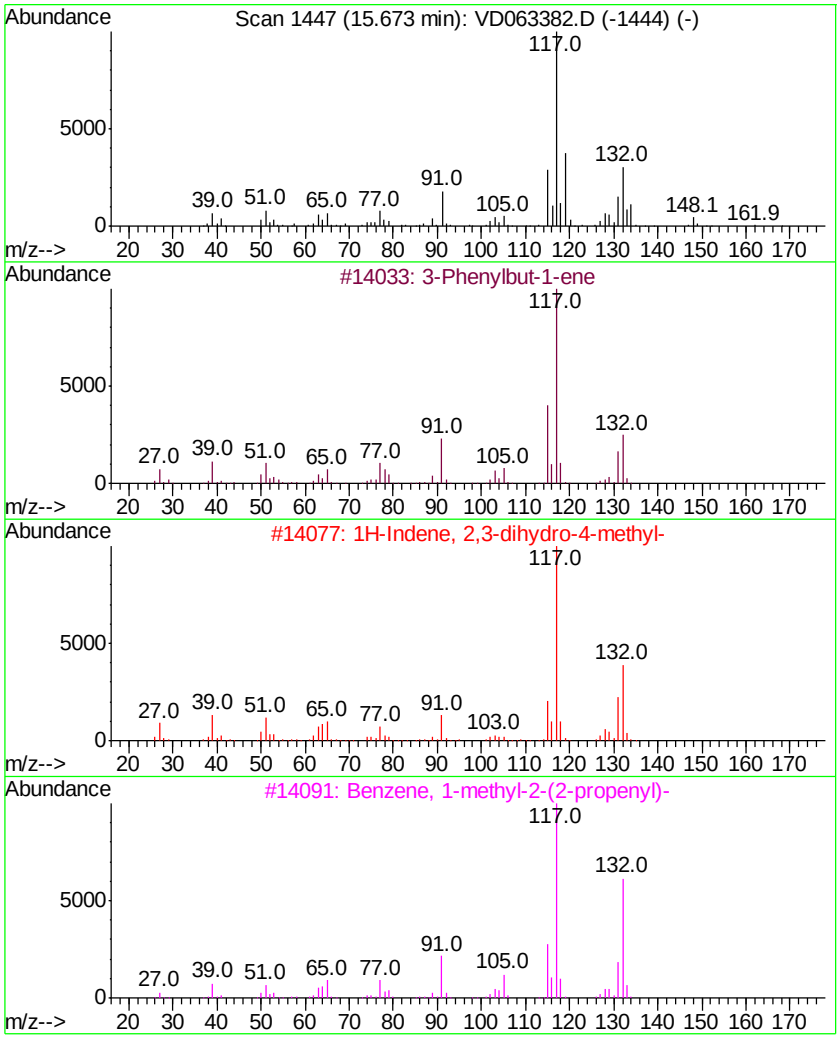
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

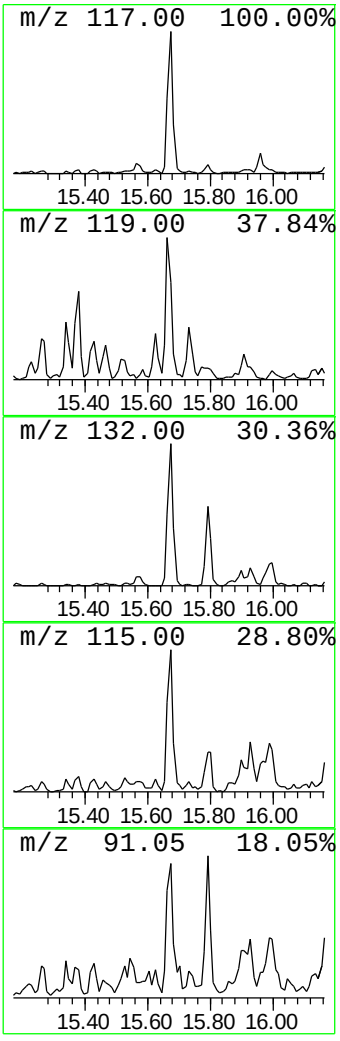
****

Peak Number 2 3-Phenylbut-1-ene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	13.97 ug/l	1001940	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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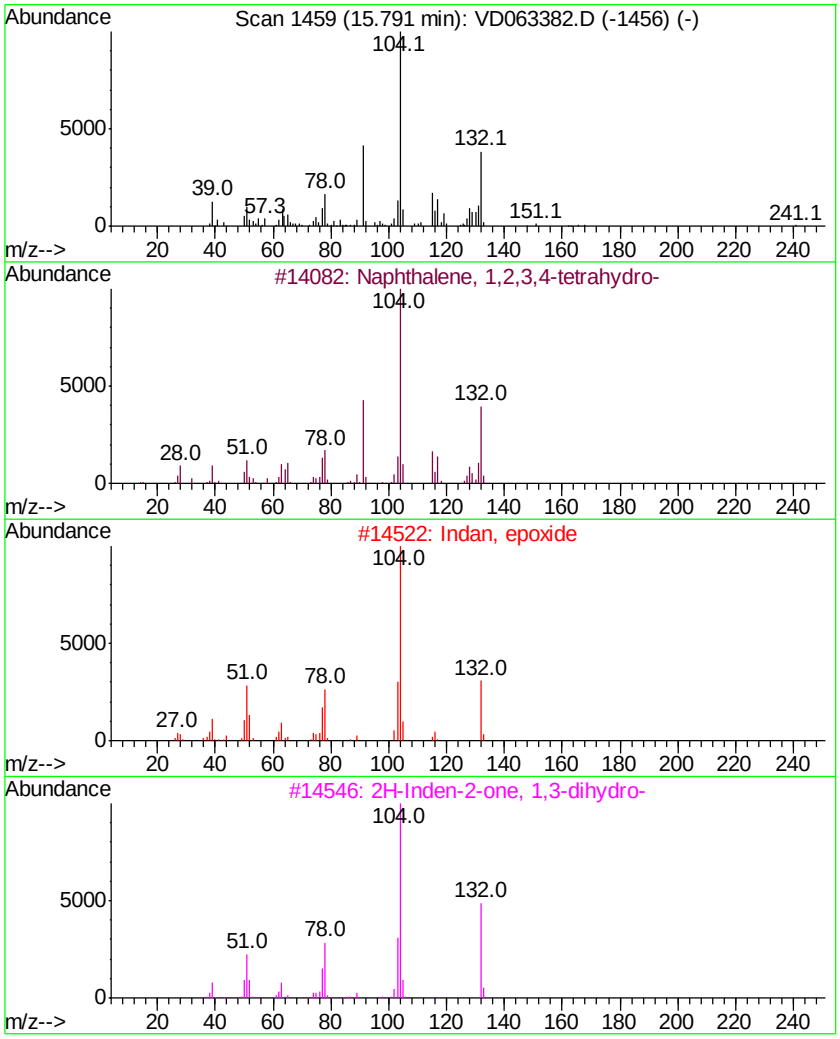
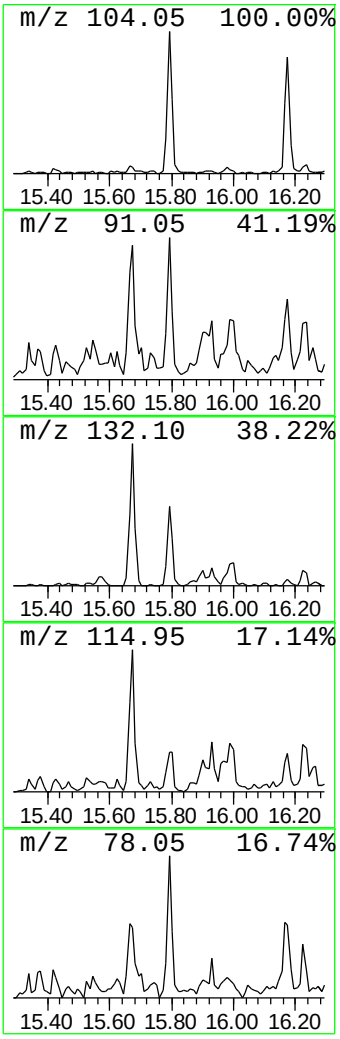
Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	6.21 ug/l	445590	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
2	Indan, epoxide	132	C9H8O	000768-22-9	52
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	52
4	Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	43
5	[2.2]Paracyclophane	208	C16H16	001633-22-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

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

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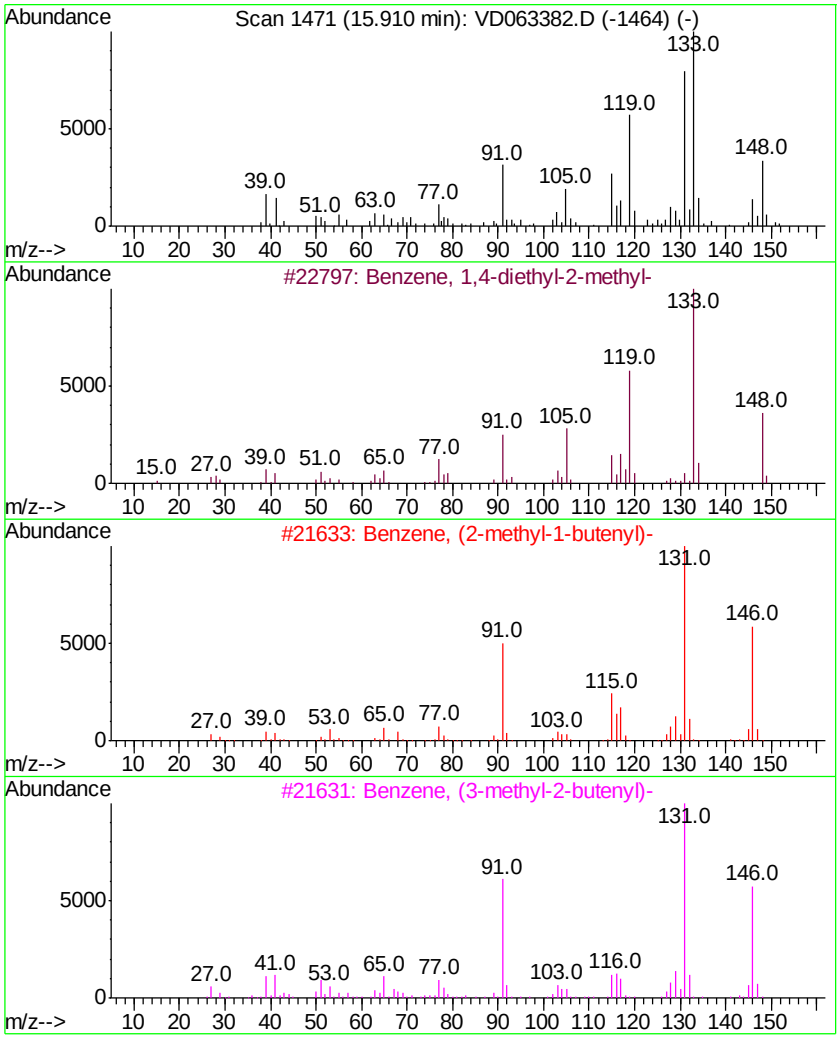
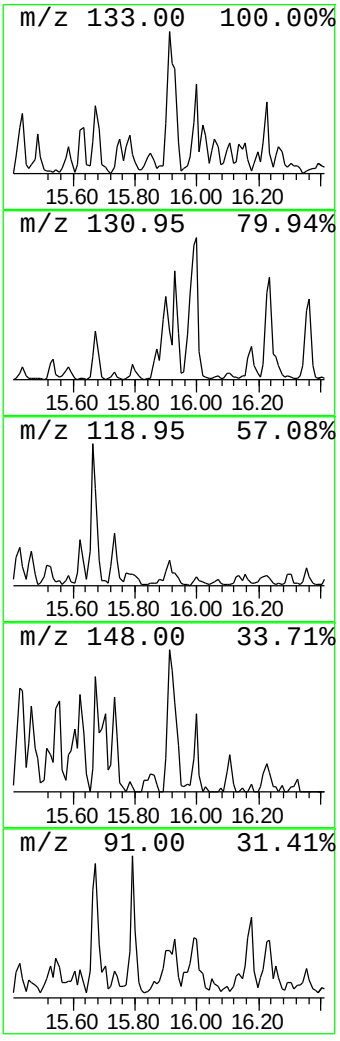
Peak Number 4 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	6.44 ug/l	462199	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	60
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	52
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

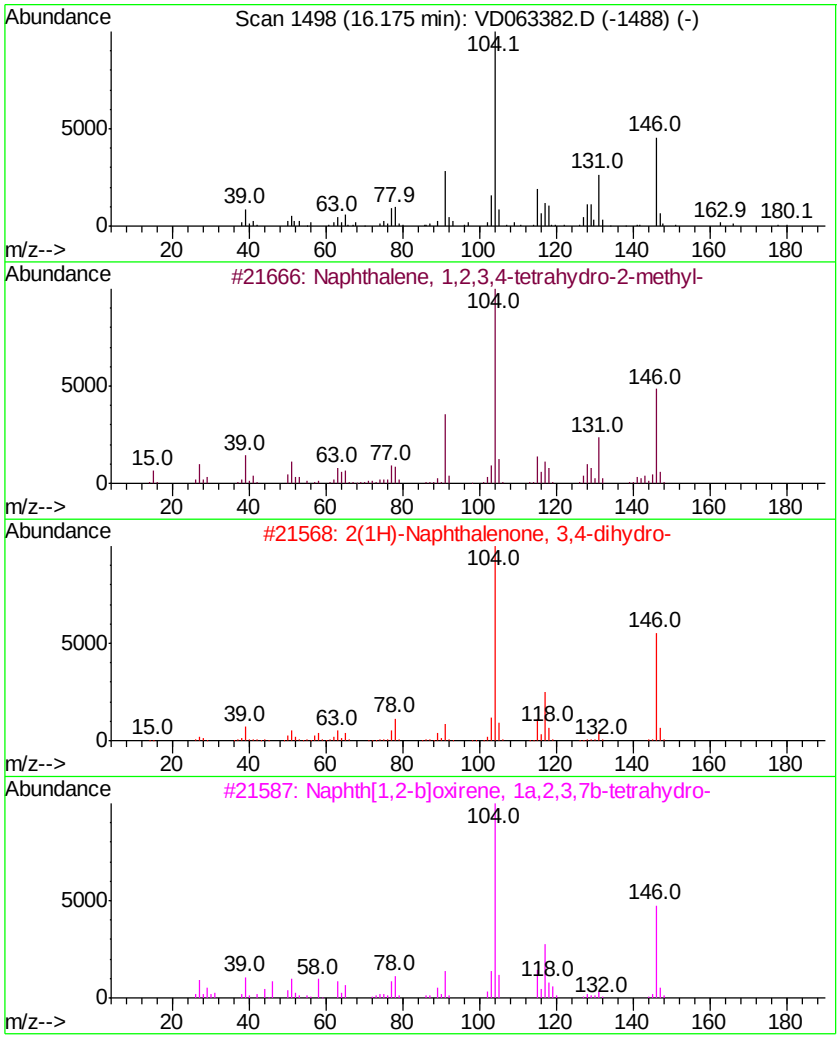
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

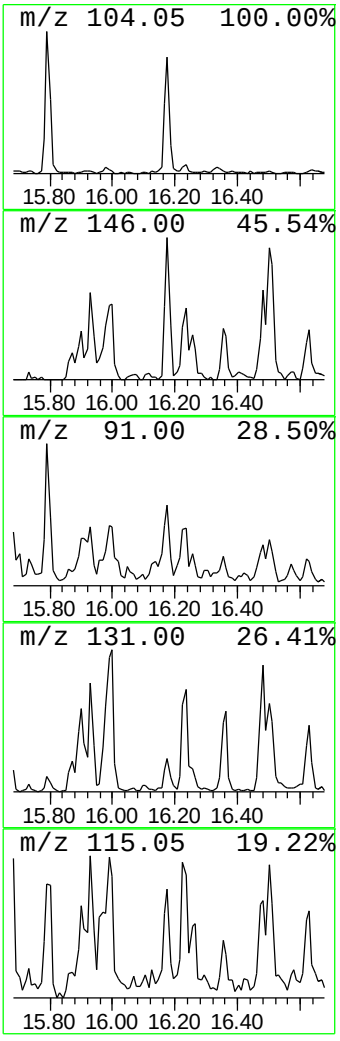
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	6.39 ug/l	458350	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	62
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	58
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	38
5	Acetic acid, chloro-, 2-phenylet...	198	C10H11ClO2	007476-91-7	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

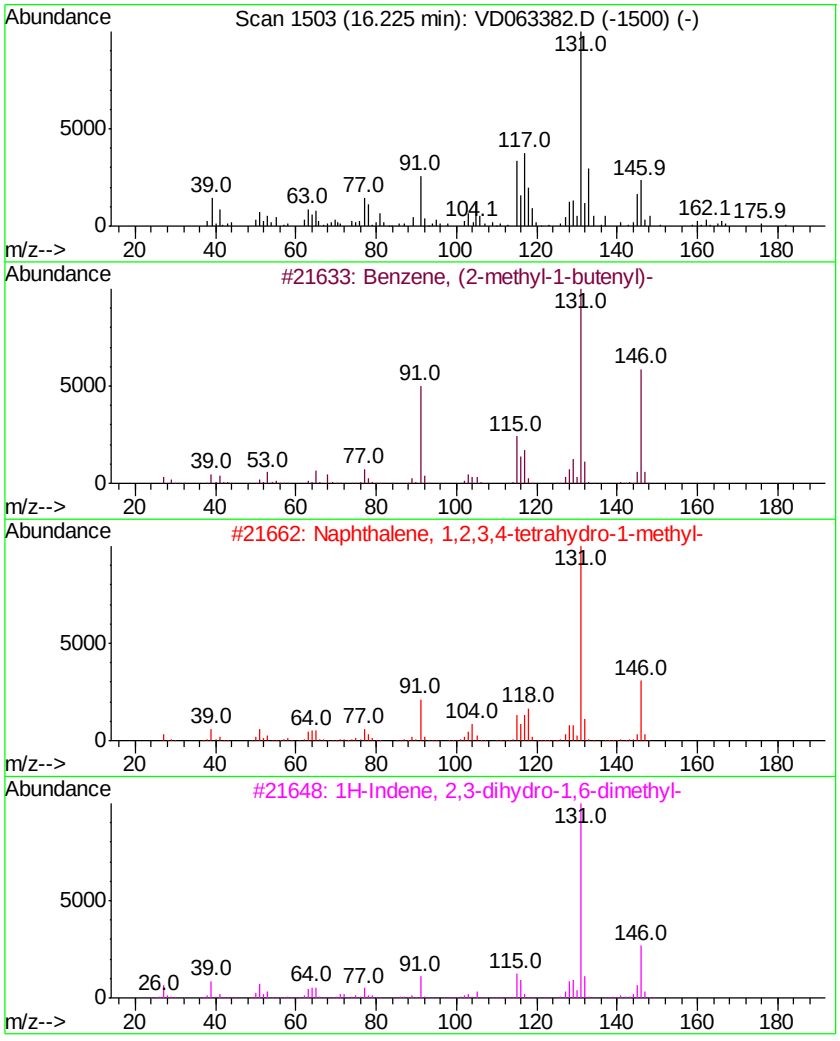
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

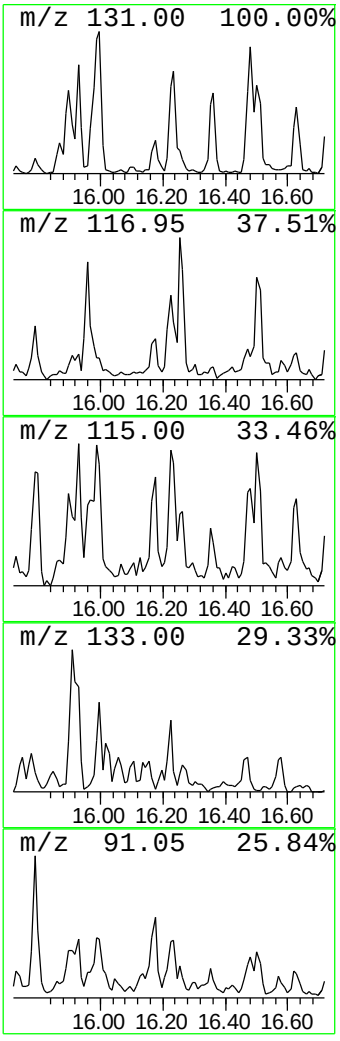
****

Peak Number 6 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	5.55 ug/l	397958	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260

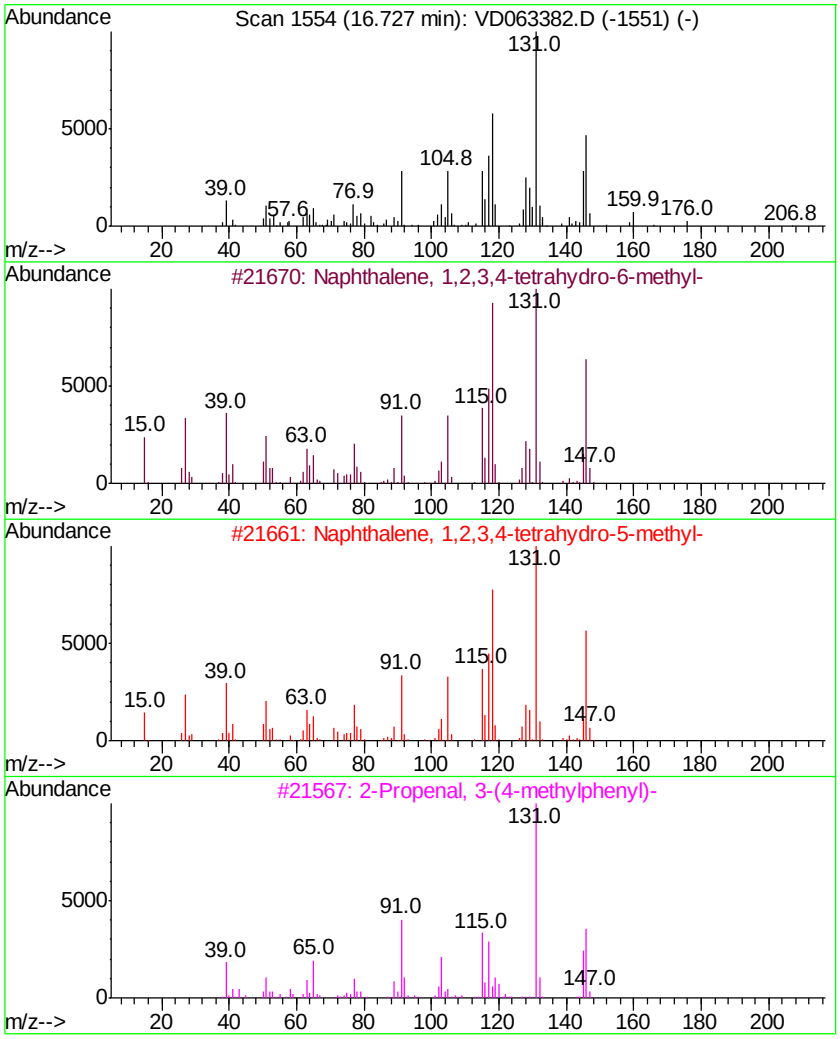
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

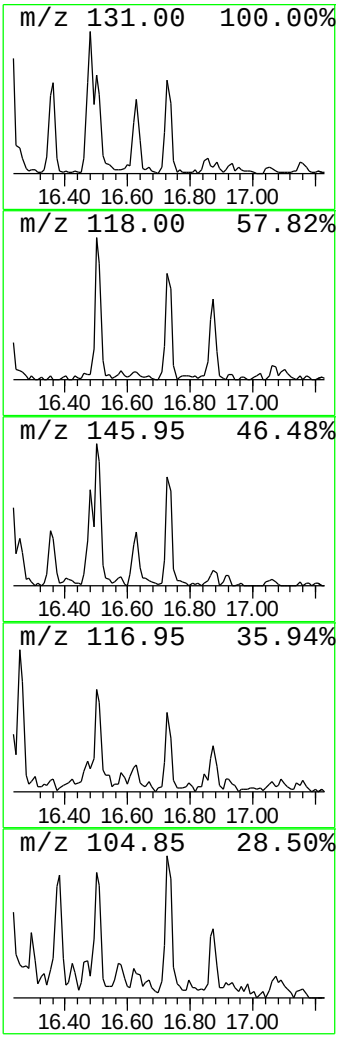
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	5.08 ug/l	364633	1,4-Dichlorobenzene-d4	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
3	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	64
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
Data File : VD063382.D
Acq On : 5 Aug 2019 15:55
Operator : VA/AP
Sample : K4095-01
Misc : 6.89g/5ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : SU-02-080219-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.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
3-Phenylbut-1-ene	15.67	14.0	ug/l	1001940	4	14.51	3586070	50.0
Naphthalene, 1,2,...	15.79	6.2	ug/l	445590	4	14.51	3586070	50.0
Benzene, 1,4-diet...	15.91	6.4	ug/l	462199	4	14.51	3586070	50.0
Naphthalene, 1,2,...	16.18	6.4	ug/l	458350	4	14.51	3586070	50.0
Benzene, (2-methy...	16.22	5.5	ug/l	397958	4	14.51	3586070	50.0
Naphthalene, 1,2,...	16.73	5.1	ug/l	364633	4	14.51	3586070	50.0