LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC: VV015812.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.113	3	7	16	rVB4	4621	5616	1.32%	0.084%
2	1.206	29	36	49	rBV2	17583	32223	7.55%	0.481%
3	1.312	62	69	77	rBV	64914	67451	15.79%	1.007%
4	1.386	77	92	100	rBV3	25343	83518	19.56%	1.246%
5	1.576	145	151	161	rVB	56871	66013	15.46%	0.985%
6	2.122	311	321	332	rVB	101617	150518	35.25%	2.246%
7	2.312	370	380	398	rVB2	6539	16287	3.81%	0.243%
8	3.907	865	876	904	rBV	54566	164516	38.52%	2.455%
9	4.376	1005	1022	1042	rBV2	72507	181778	42.57%	2.713%
10	5.074	1222	1239	1274	rBV2	164622	427051	100.00%	6.373%
11	5.643	1403	1416	1444	rBV	156844	317963	74.46%	4.745%
12	6.096	1540	1557	1577	rBV	97071	206862	48.44%	3.087%
13	7.010	1829	1841	1863	rBV	42884	80529	18.86%	1.202%
14	7.338	1931	1943	1960	rBV	197593	348849	81.69%	5.206%
15	7.415	1960	1967	1979	rVB3	8008	14110	3.30%	0.211%
16	7.646	2027	2039	2053	rBV2	25455	44438	10.41%	0.663%
17	8.109	2173	2183	2214	rBV	216772	408028	95.55%	6.089%
18	8.270	2227	2233	2251	rVB7	4323	9648	2.26%	0.144%
19	8.875	2409	2421	2442	rBV	243100	399528	93.56%	5.962%
20	9.035	2461	2471	2482	rBV	29533	46809	10.96%	0.699%
21	9.164	2496	2511	2526	rBV	57863	95588	22.38%	1.427%
22	9.566	2625	2636	2650	rBV	69739	112458	26.33%	1.678%
23	9.955	2747	2757	2769	rVB2	14950	22779	5.33%	0.340%
24	10.238	2834	2845	2855	rBV2	66440	105279	24.65%	1.571%
25	10.376	2877	2888	2896	rBV	20768	35041	8.21%	0.523%
26	10.495	2908	2925	2936	rBV	30534	63988	14.98%	0.955%
27	10.563	2936	2946	2956	rVB3	5873	8672	2.03%	0.129%
28	10.759	2998	3007	3031	rVB	30496	50203	11.76%	0.749%
29	10.936	3049	3062	3076	rBV	82408	128866	30.18%	1.923%
30	11.013	3078	3086	3097	rVB6	6265	9852	2.31%	0.147%
31	11.074	3097	3105	3113	rBV3	3218	4478	1.05%	0.067%
32	11.215	3139	3149	3155	rBV6	3742	6524	1.53%	0.097%
33	11.270	3155	3166	3183	rVV	269645	414499	97.06%	6.186%
34	11.357	3186	3193	3204	rVV	22899	35655	8.35%	0.532%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

35	11.421	3204	3213	3221	rVV3	9554	15786	3.70%	0.236%
36	11.476	3221	3230	3240	rVB3	3782	7951	1.86%	0.119%
37	11.550	3243	3253	3264	rVV	169743	267294	62.59%	3.989%
38	11.646	3266	3283	3300	rVB	210254	356388	83.45%	5.319%
39	11.768	3310	3321	3331	rBV	43085	74865	17.53%	1.117%
40	11.810	3331	3334	3339	rVB5	3505	4452	1.04%	0.066%
41	11.929	3359	3371	3376	rBV5	8906	16796	3.93%	0.251%
42	11.964	3377	3382	3390	rVB2	8783	11636	2.72%	0.174%
43	12.038	3395	3405	3411	rBV	12024	18878	4.42%	0.282%
44	12.083	3411	3419	3426	rVB6	7741	11882	2.78%	0.177%
45	12.138	3426	3436	3443	rBV	40574	60379	14.14%	0.901%
46	12.183	3444	3450	3458	rVB4	14331	21425	5.02%	0.320%
47	12.228	3459	3464	3471	rBV4	6280	7475	1.75%	0.112%
48	12.270	3472	3477	3487	rVB4	7813	12600	2.95%	0.188%
49	12.337	3488	3498	3503	rBV8	10181	18693	4.38%	0.279%
50	12.382	3503	3512	3522	rVB2	59210	94871	22.22%	1.416%
51	12.434	3523	3528	3533	rVB5	3726	4478	1.05%	0.067%
52	12.485	3533	3544	3551	rBV2	120048	255860	59.91%	3.818%
53	12.530	3552	3558	3567	rVB	201916	271162	63.50%	4.047%
54	12.627	3581	3588	3597	rVB	4655	7916	1.85%	0.118%
55	12.688	3599	3607	3612	rVV9	3747	6028	1.41%	0.090%
56	12.746	3612	3625	3639	rVB	41353	72171	16.90%	1.077%
57	12.907	3657	3675	3688	rBV2	69790	131149	30.71%	1.957%
58	12.971	3689	3695	3711	rVV3	20132	34343	8.04%	0.513%
59	13.080	3715	3729	3743	rVB3	42213	71778	16.81%	1.071%
60	13.167	3749	3756	3762	rBV9	4342	6640	1.55%	0.099%
61	13.244	3772	3780	3786	rBV5	12565	17394	4.07%	0.260%
62	13.286	3787	3793	3810	rVB8	18504	42293	9.90%	0.631%
63	13.370	3811	3819	3821	rBV6	4814	5814	1.36%	0.087%
64	13.460	3840	3847	3856	rVB4	14250	21998	5.15%	0.328%
65	13.527	3856	3868	3874	rBV	106373	186403	43.65%	2.782%
66	13.562	3875	3879	3891	rVB2	53693	92768	21.72%	1.384%
67	13.688	3908	3918	3928	rVV	99987	156850	36.73%	2.341%
68	13.730	3928	3931	3941	rVB5	10480	14594	3.42%	0.218%
69	13.791	3941	3950	3959	rVB2	19003	30525	7.15%	0.456%
70	13.842	3959	3966	3968	rBV8	5113	5634	1.32%	0.084%
71	13.939	3988	3996	4003	rBV10	5222	9111	2.13%	0.136%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR042220WMA.M
Title : TRACE VOA SOM01.0

72	14.006	4013	4017	4028	rVB10	9498	14747	3.45%	0.220%
73	14.514	4169	4175	4185	rVB10	3641	6665	1.56%	0.099%
74	14.591	4191	4199	4207	rBV7	6105	8087	1.89%	0.121%
75	14.640	4207	4214	4219	rBV6	3602	5810	1.36%	0.087%
76	14.707	4227	4235	4244	rVB7	4041	6331	1.48%	0.094%
77	14.842	4267	4277	4289	rBV	28096	47146	11.04%	0.704%

Sum of corrected areas: 6700683

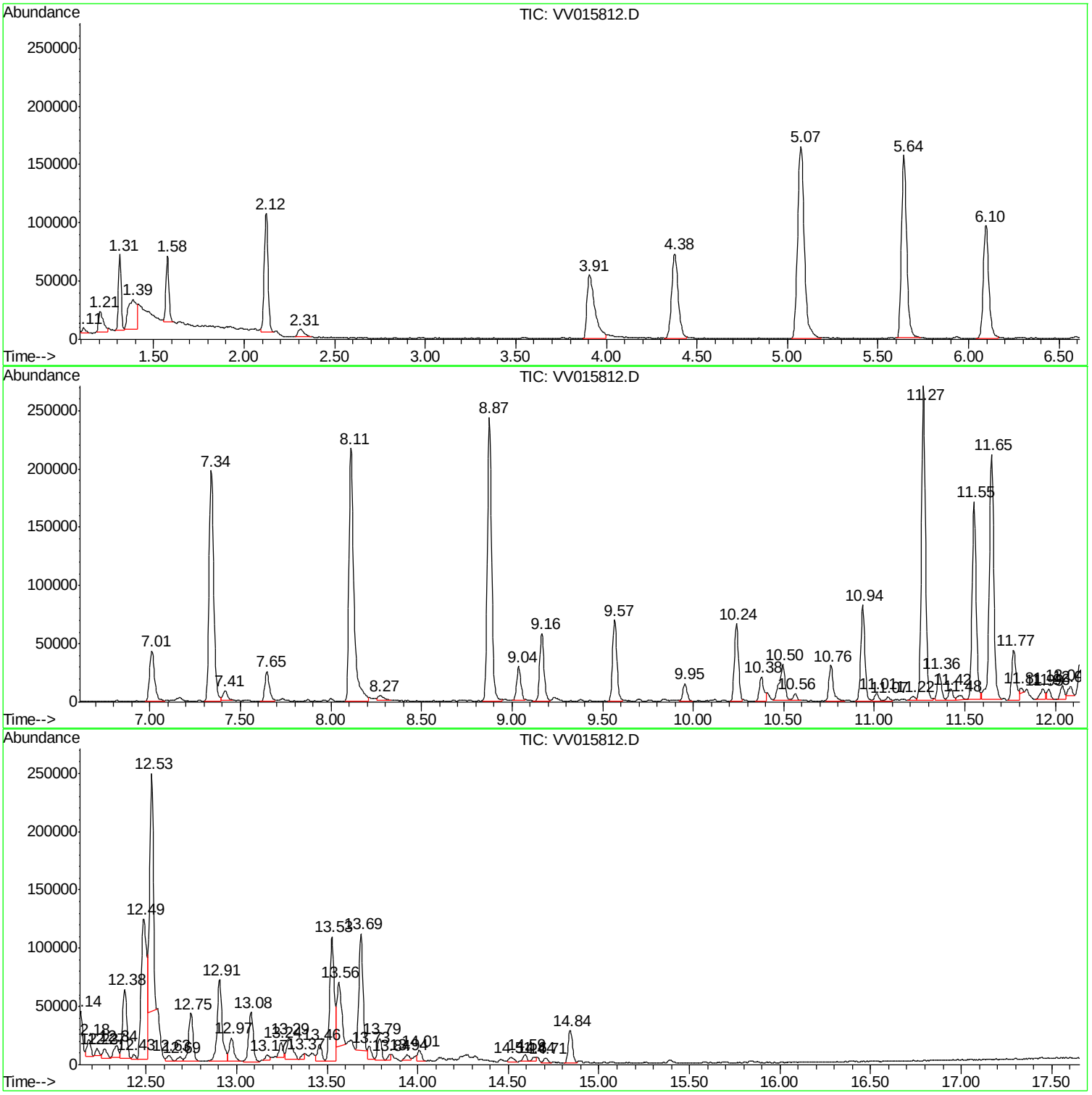
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

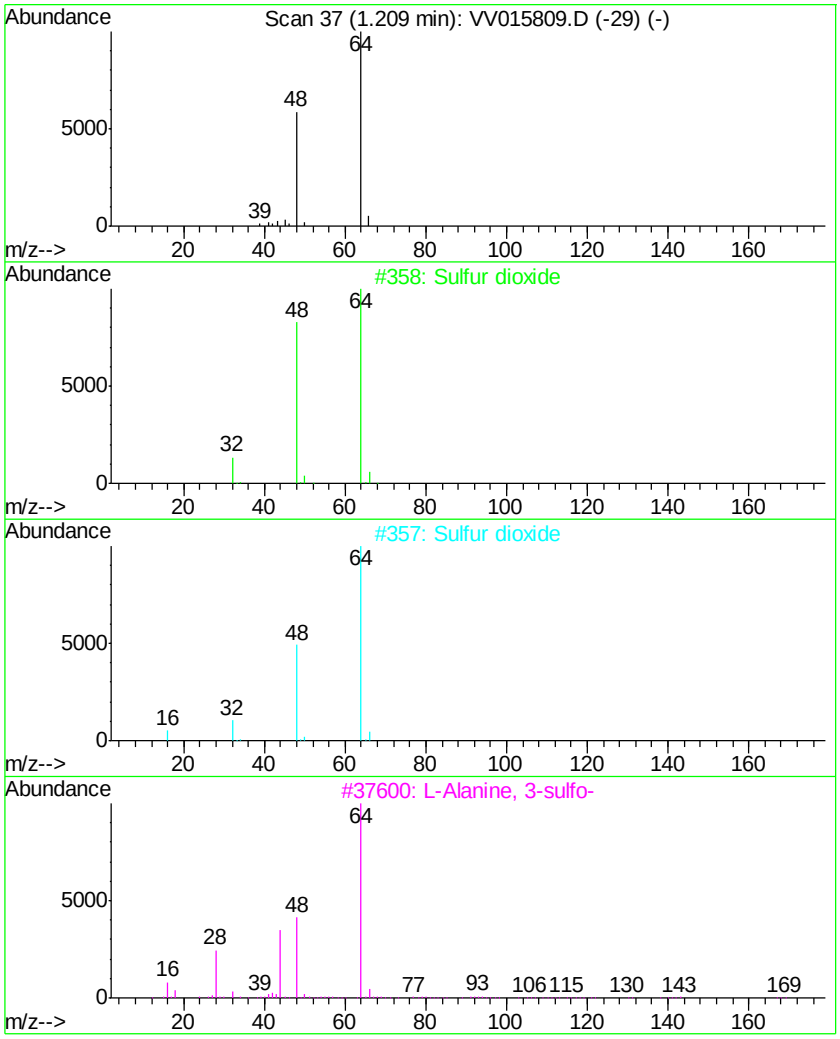
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

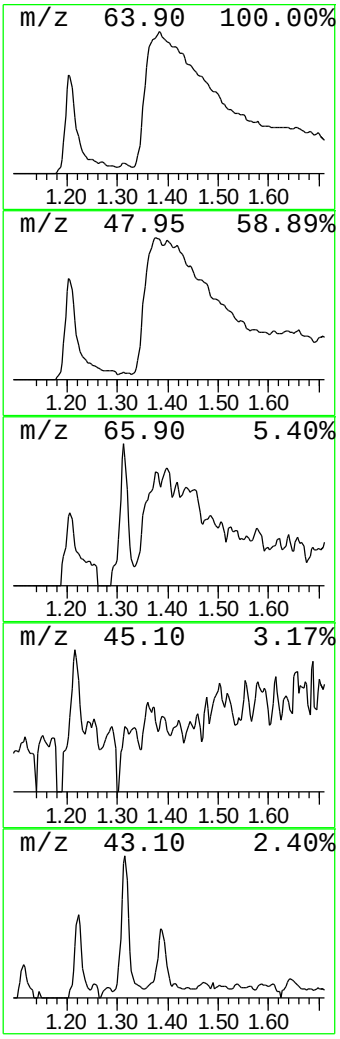
****

Peak Number 1 Sulfur dioxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.21	0.51 ug/L	32223	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Sulfur dioxide	64	O2S	007446-09-5	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

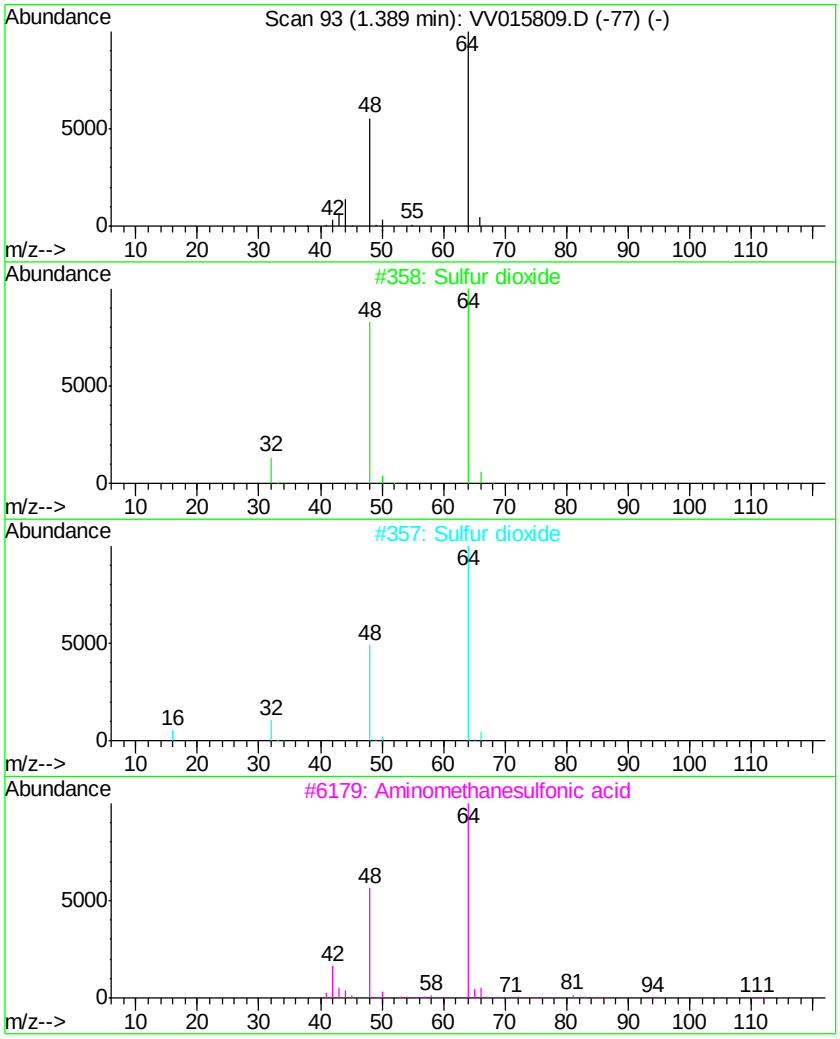
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

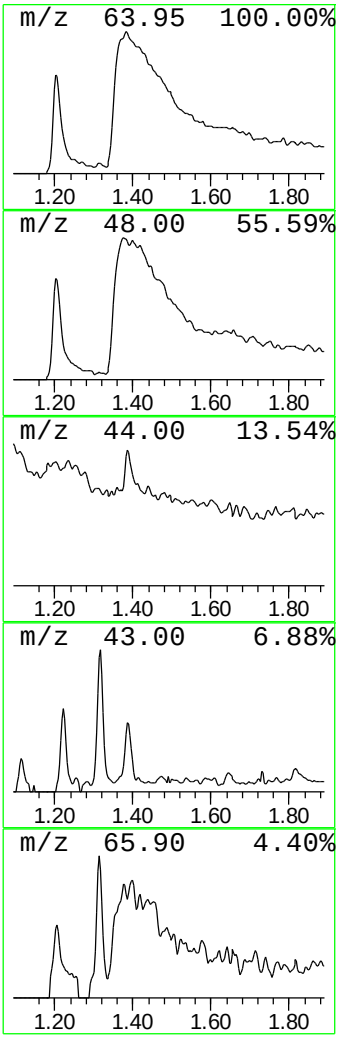
****

Peak Number 2 Aminomethanesulfonic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.39	1.31 ug/L	83518	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Sulfur dioxide	64	O2S	007446-09-5	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

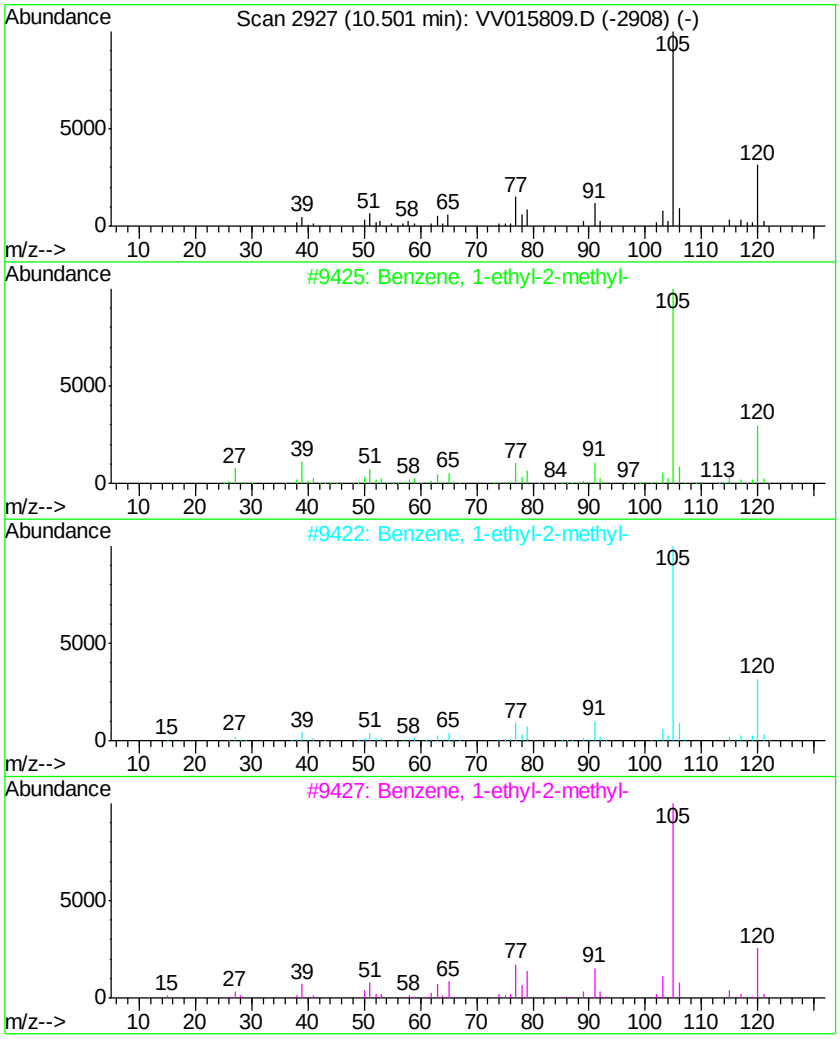
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

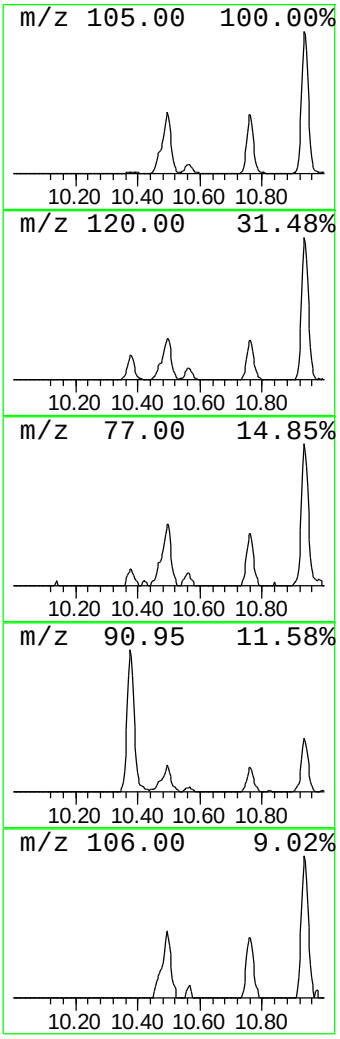
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	0.77 ug/L	63988	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

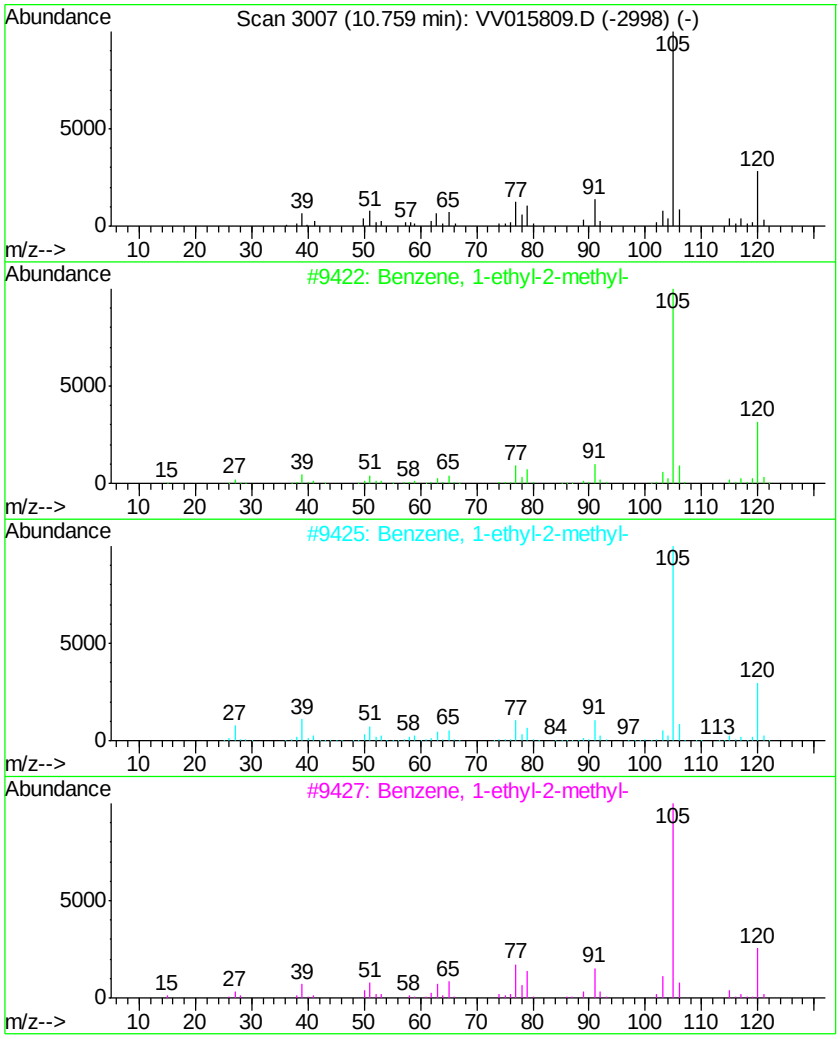
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

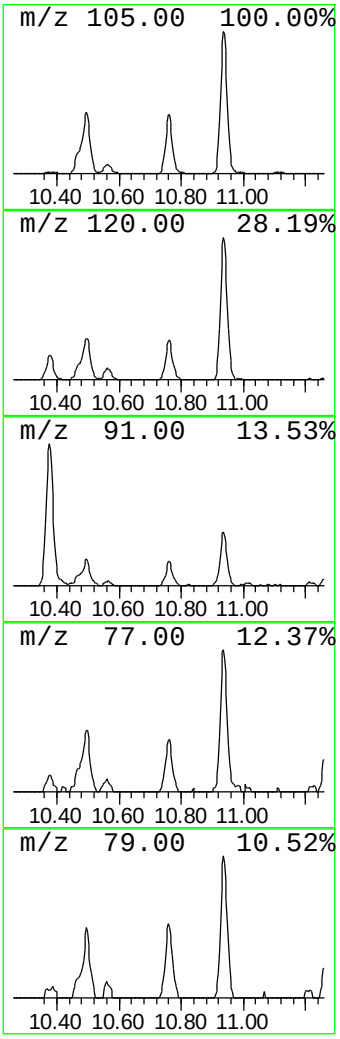
****

Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	0.61 ug/L	50203	1,4-Dichlorobenzene-d4	11.27

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-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

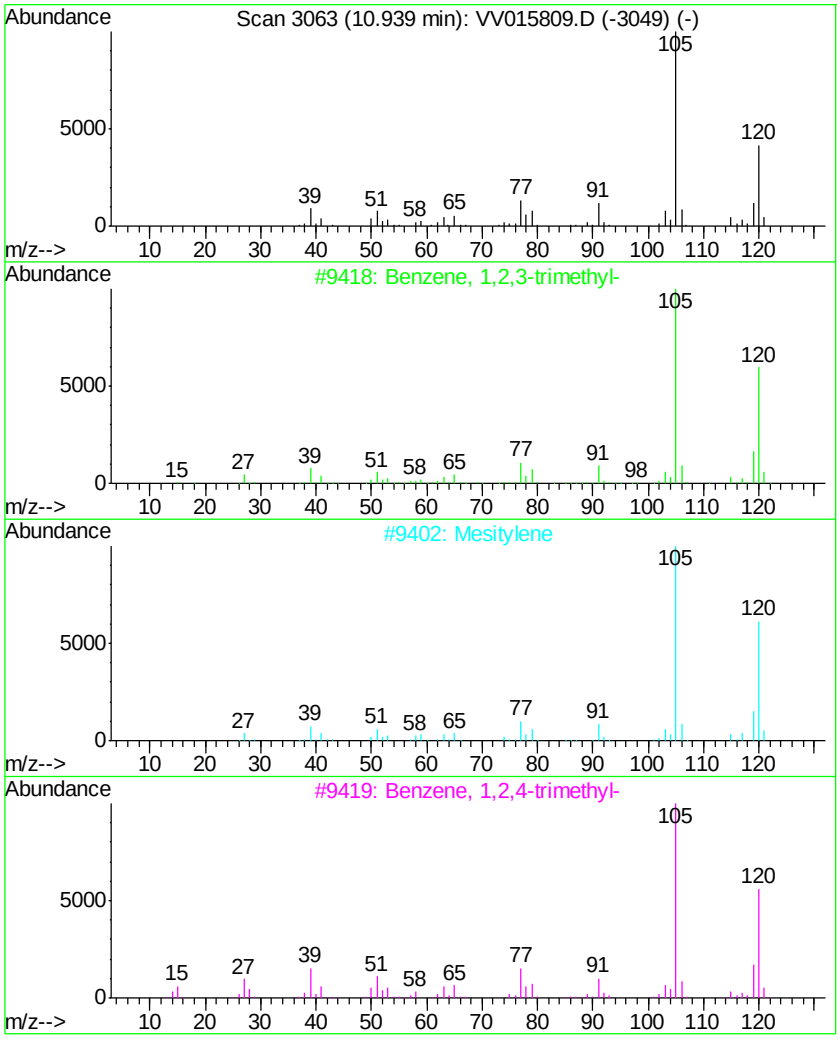
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

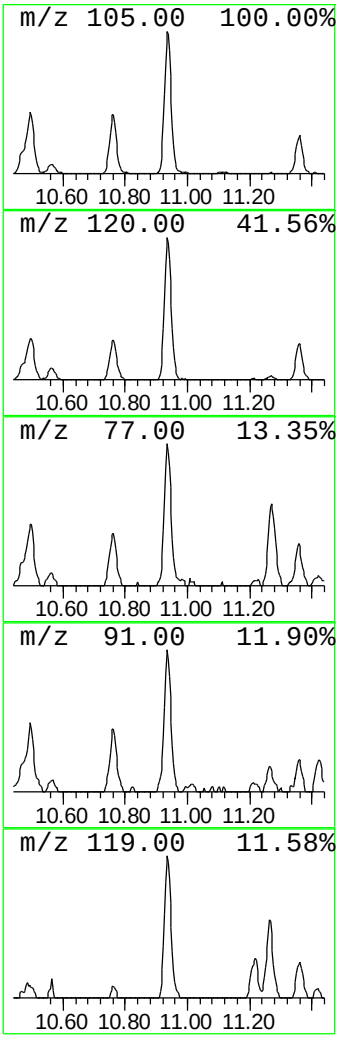
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	1.55 ug/L	128866	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

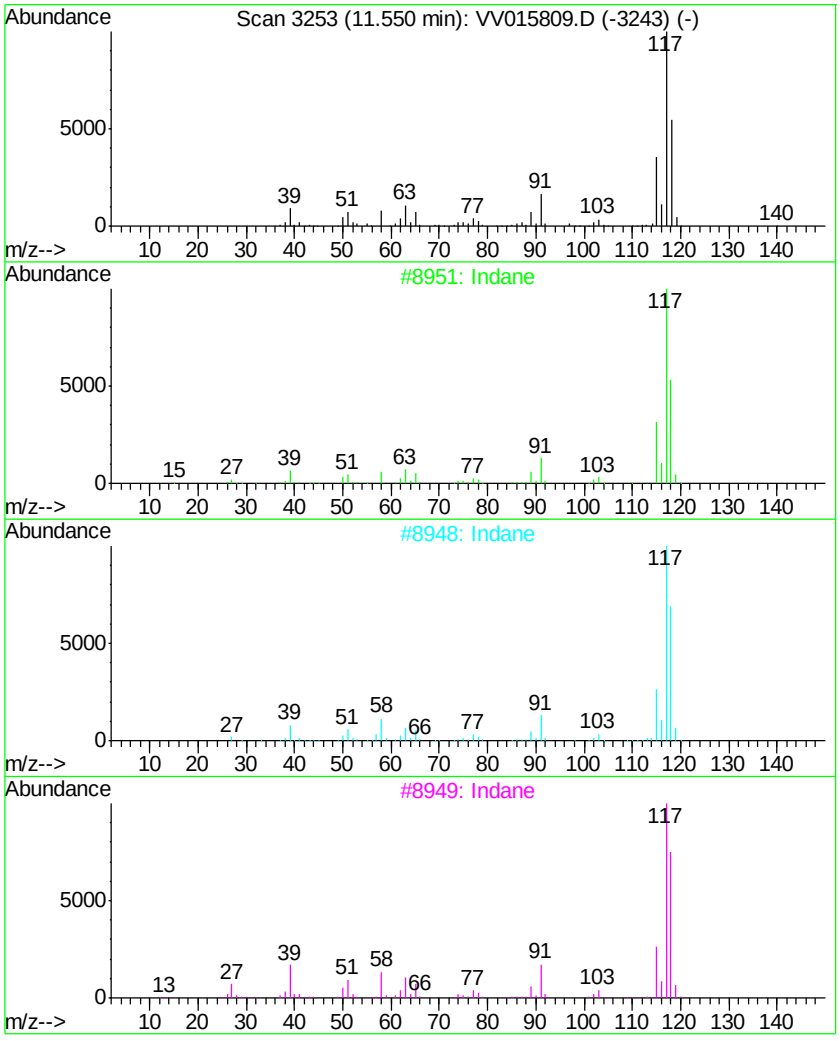
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

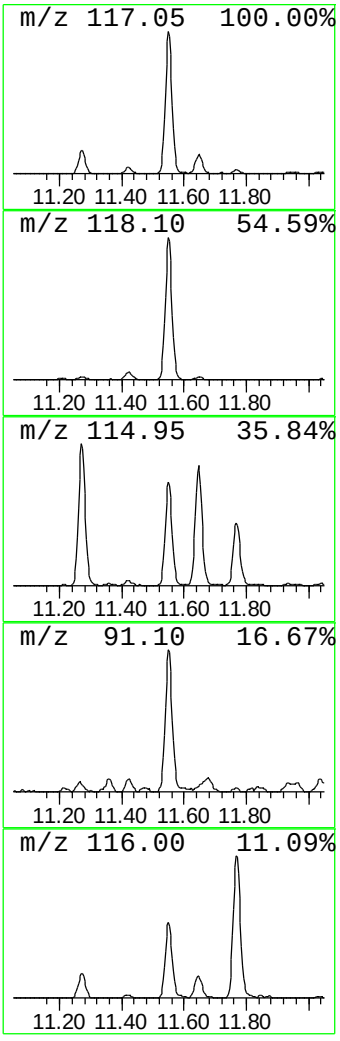
****

Peak Number 7 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.22 ug/L	267294	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	91
4	Indane	118	C9H10	000496-11-7	90
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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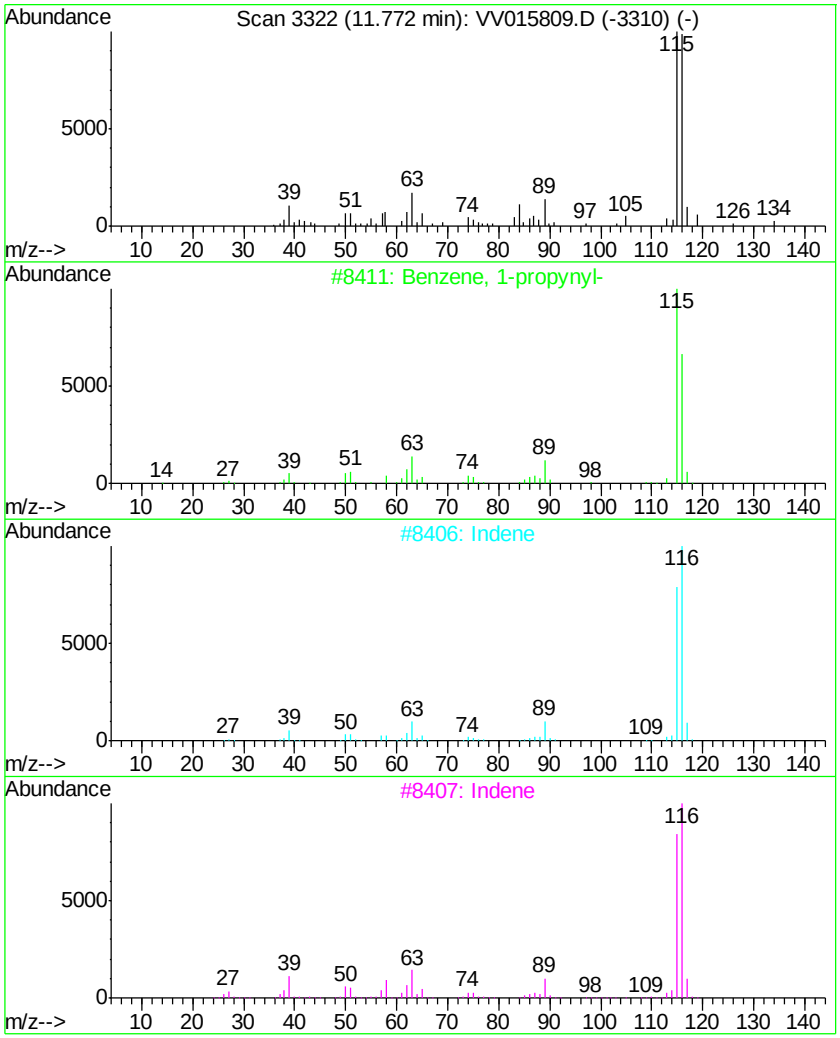
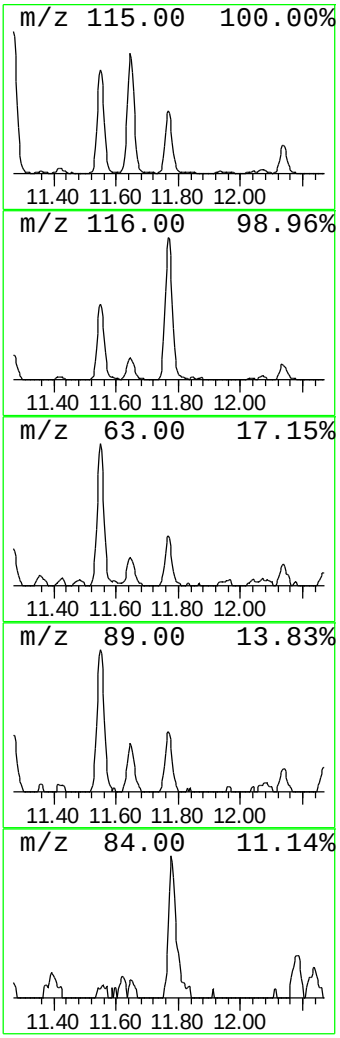
Peak Number 8 Benzene, 1-propynyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	0.90 ug/L	74865	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	93
3	Indene	116	C9H8	000095-13-6	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	90
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	87





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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

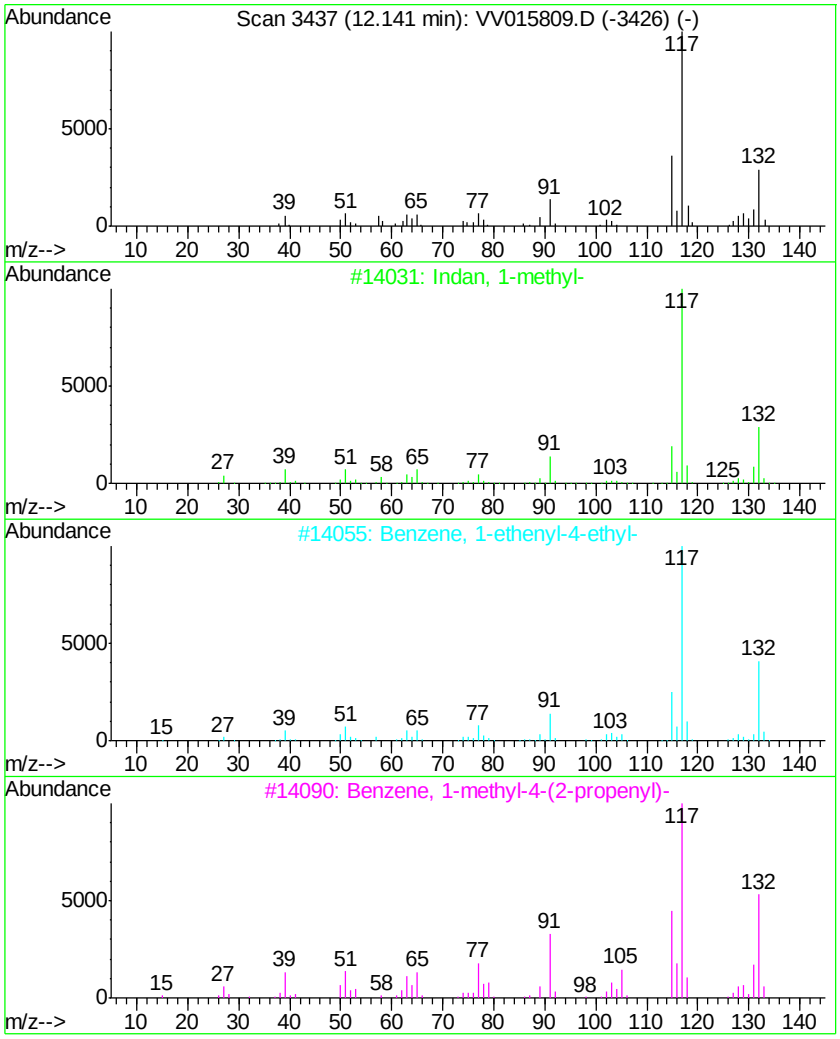
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

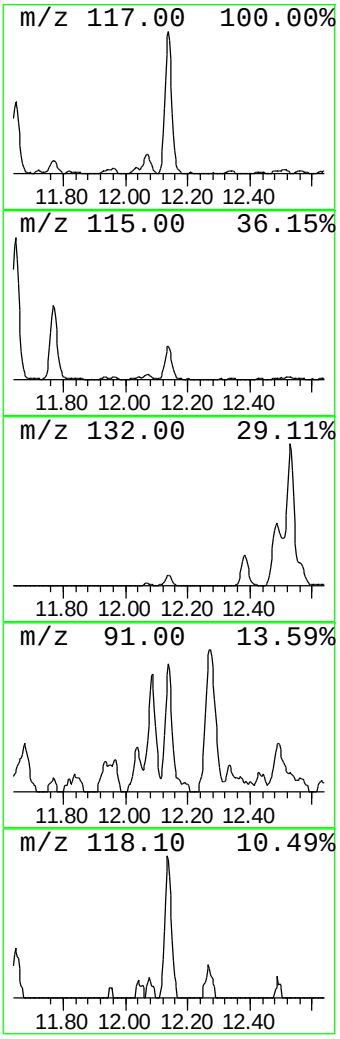
****

Peak Number 9 Indan, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.73 ug/L	60379	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Library Search Compound Report

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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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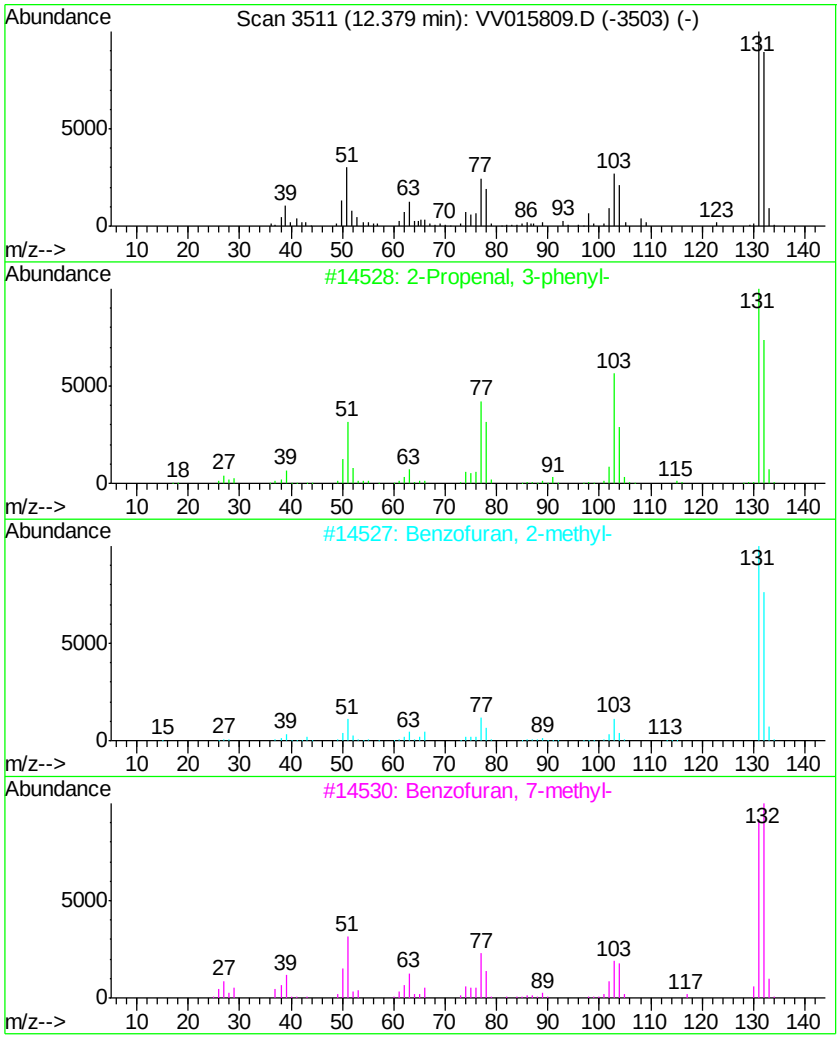
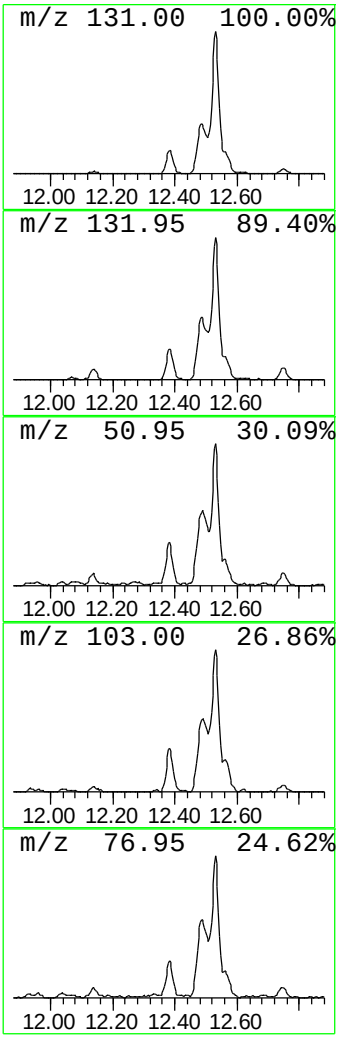
Peak Number 10 2-Propenal, 3-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	1.14 ug/L	94871	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91





Library Search Compound Report

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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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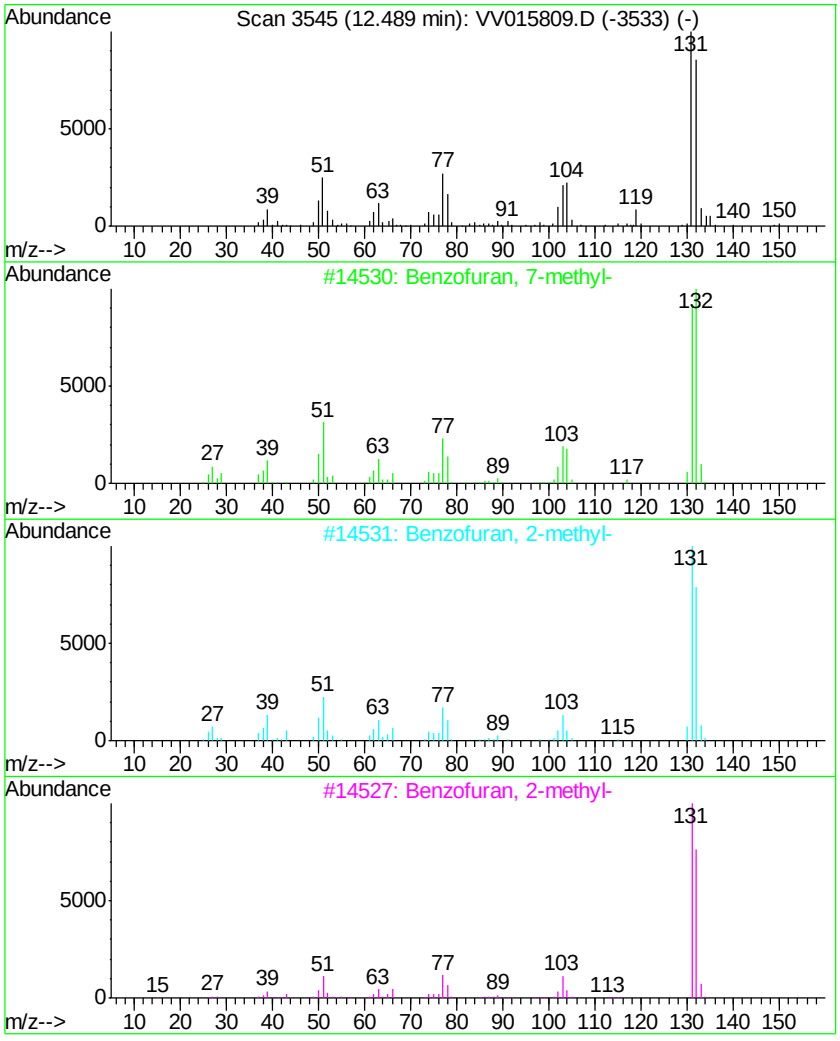
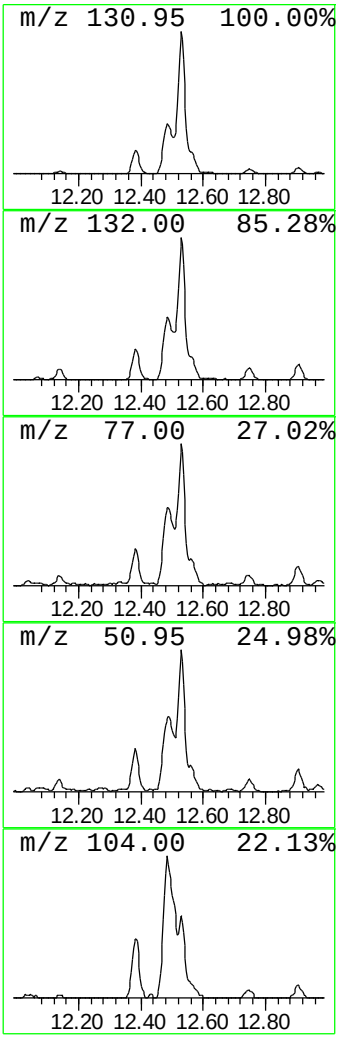
Peak Number 11 Benzofuran, 7-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.09 ug/L	255860	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	Benzopyrimidine, 3,4-dihydro-	132	C8H8N2	001904-64-9	87





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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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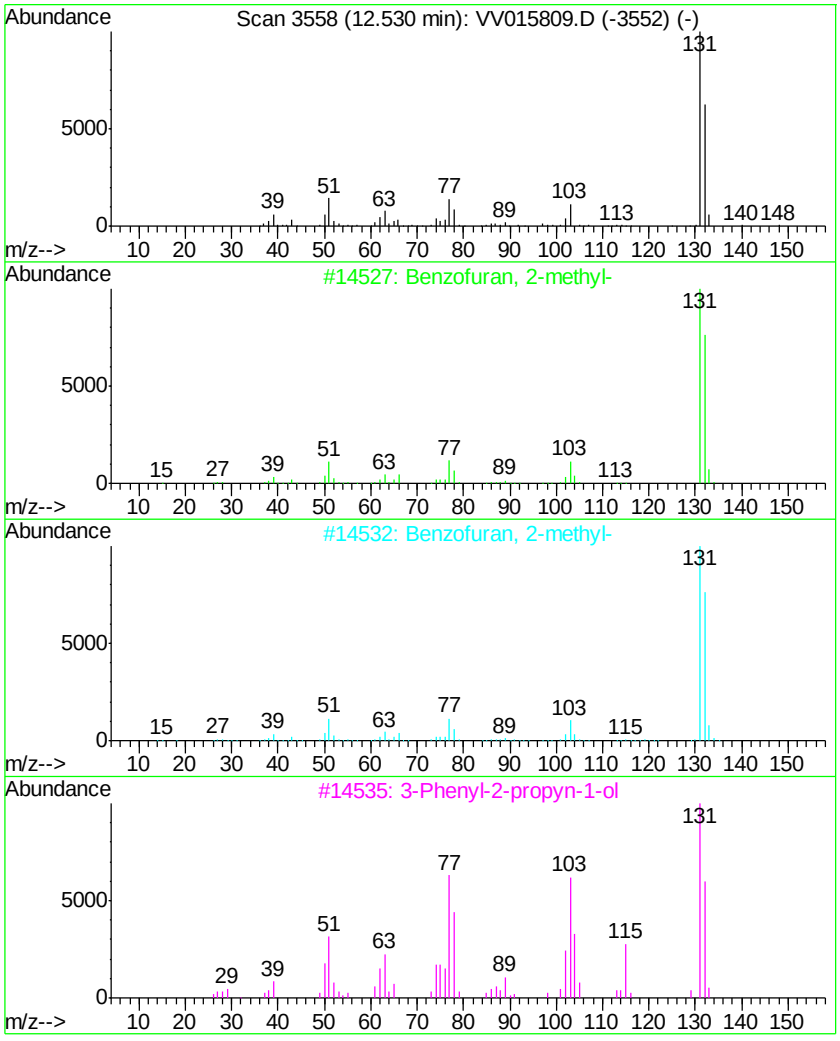
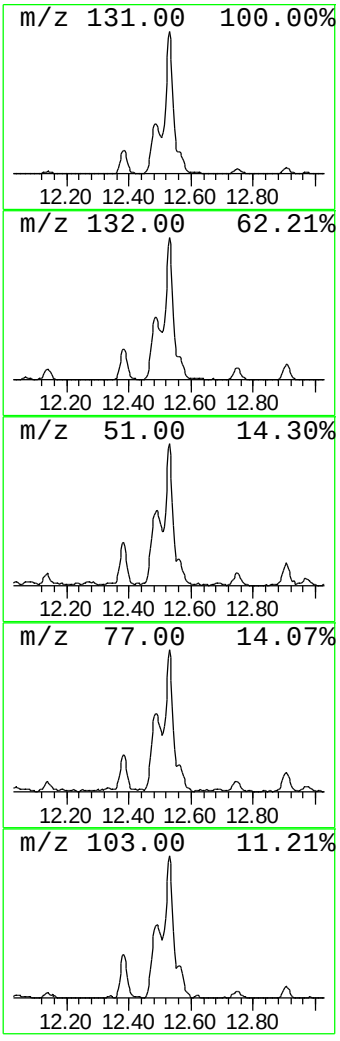
Peak Number 12 Benzofuran, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.27 ug/L	271162	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	86
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	86
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

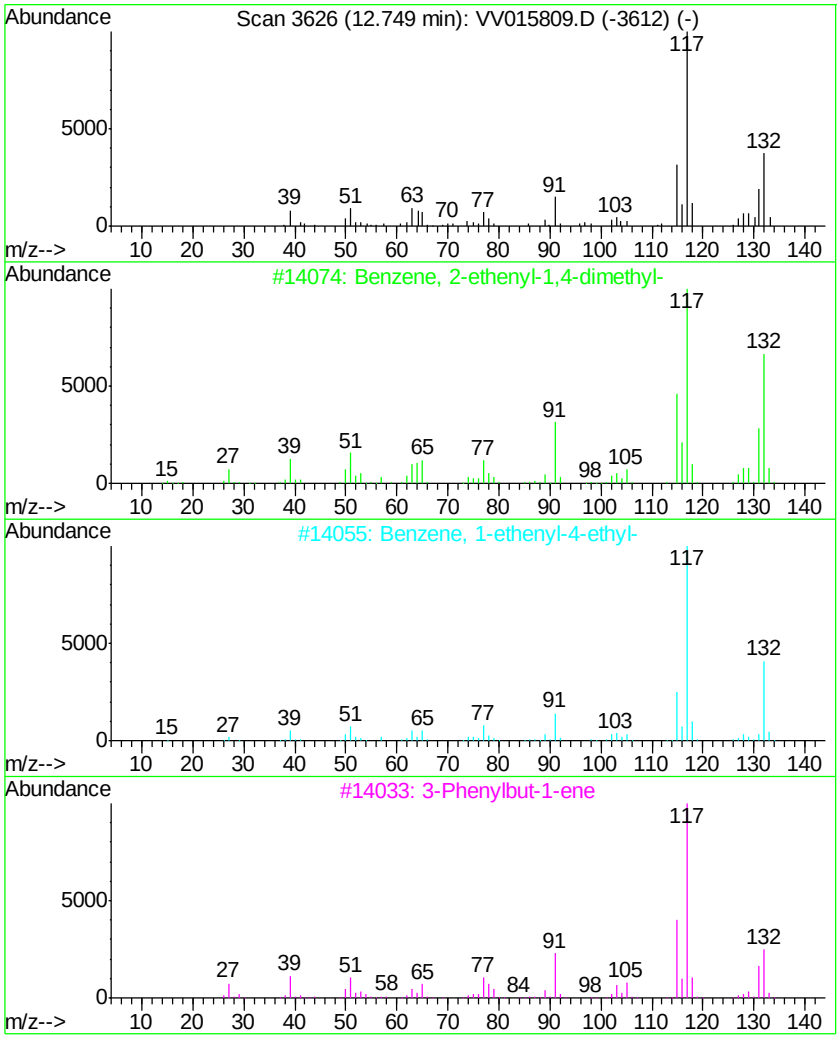
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

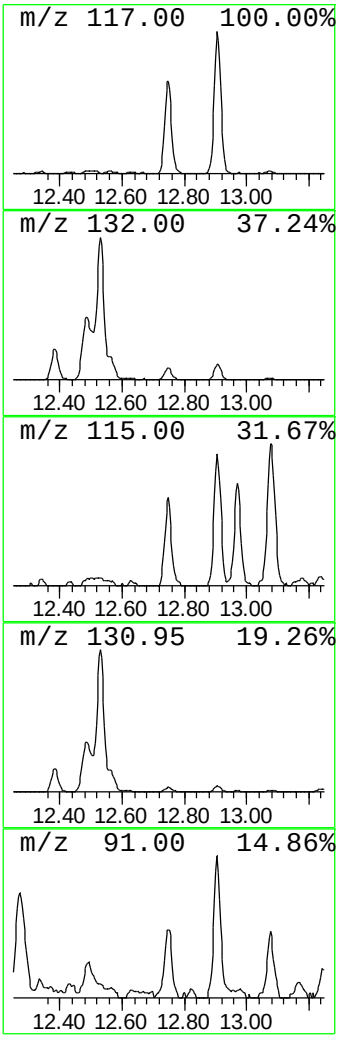
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	0.87 ug/L	72171	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

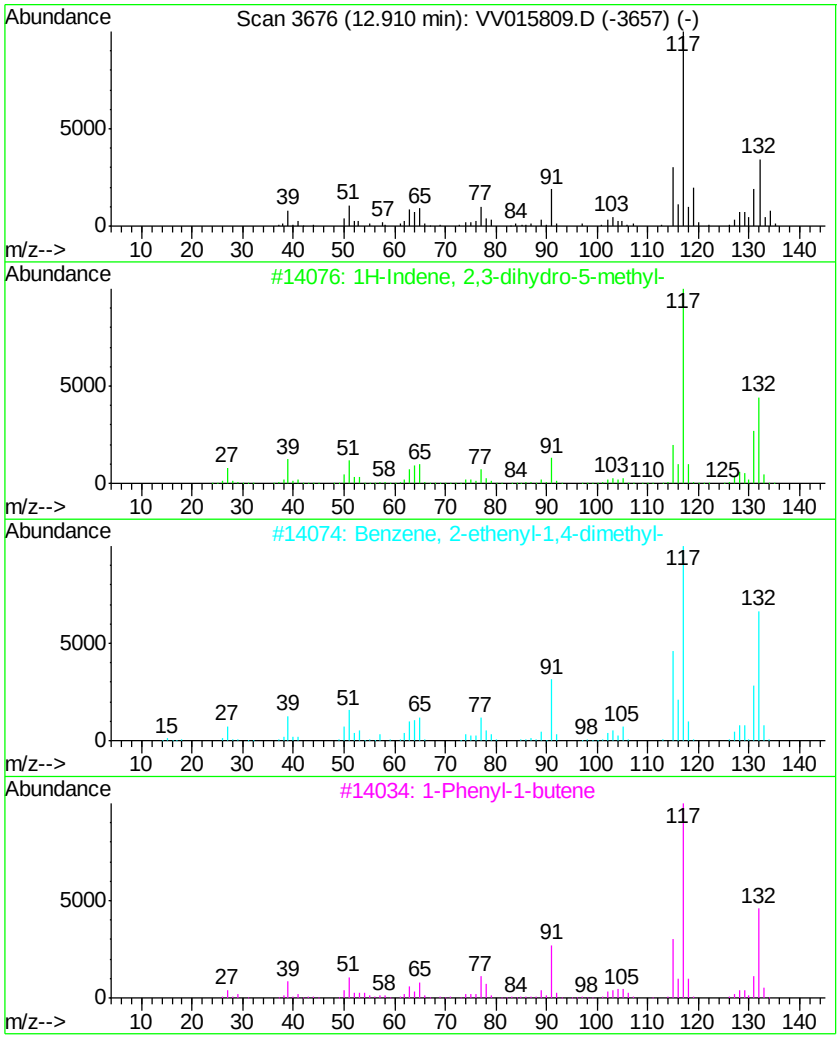
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

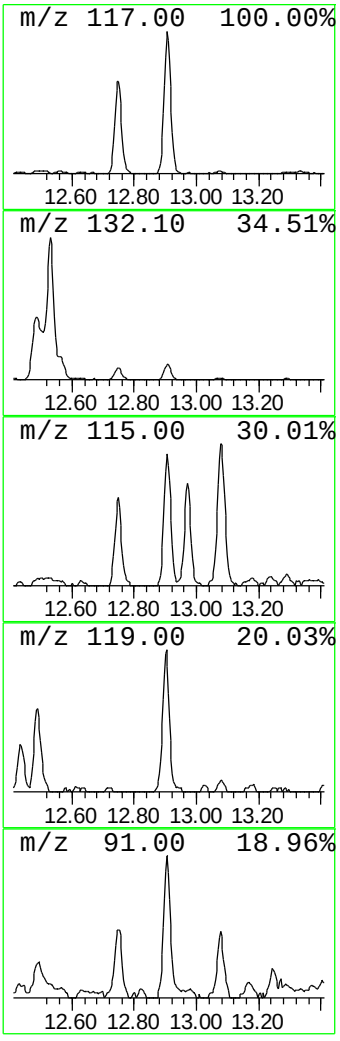
****

Peak Number 14 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	1.58 ug/L	131149	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Library Search Compound Report

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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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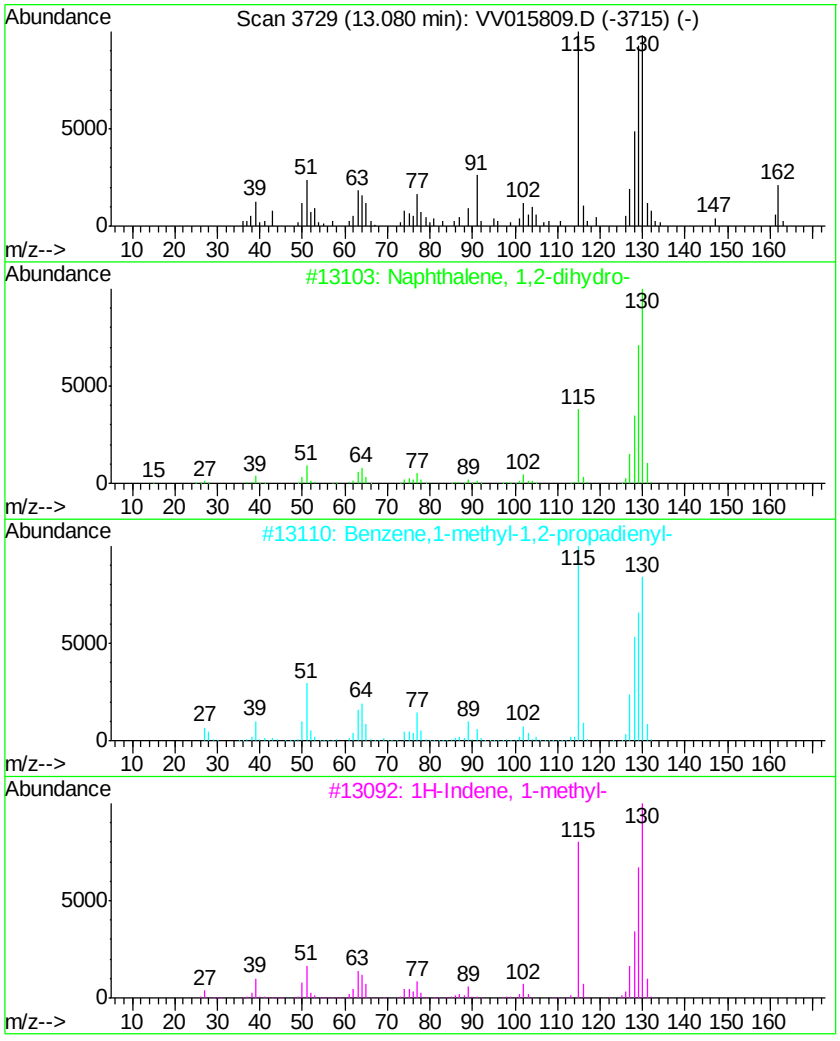
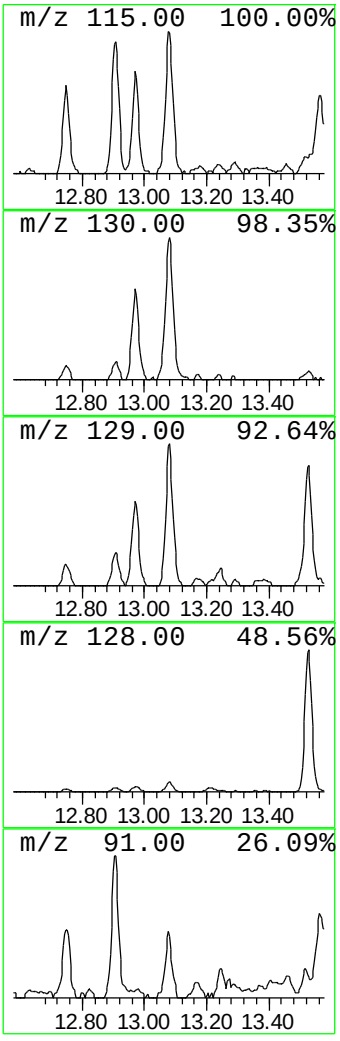
Peak Number 15 Naphthalene, 1,2-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	0.87 ug/L	71778	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	2-Methylindene	130	C10H10	002177-47-1	94
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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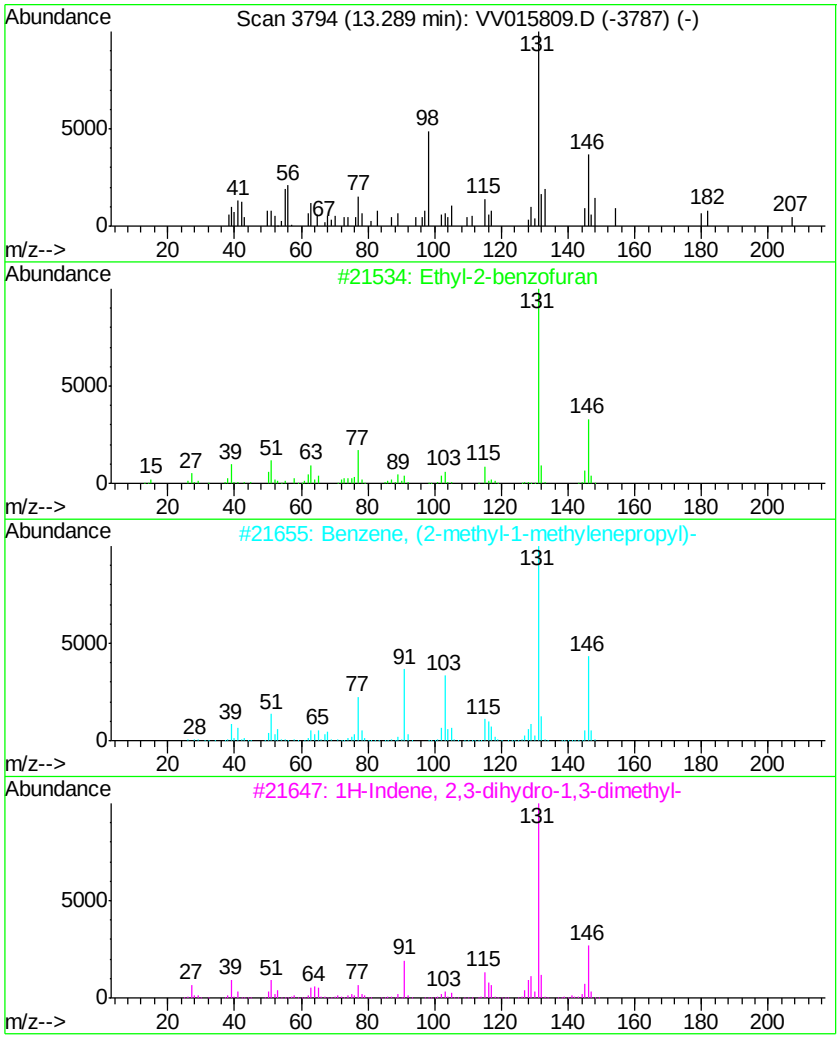
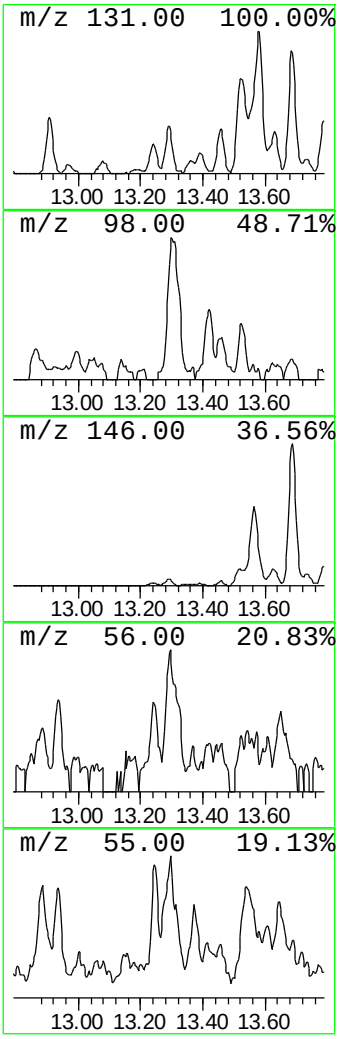
Peak Number 16 Ethyl-2-benzofuran Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	0.51 ug/L	42293	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl-2-benzofuran	146	C10H10O	003131-63-3	90
2	Benzene, (2-methyl-1-methylenepr...	146	C11H14	017498-71-4	55
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	50
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50





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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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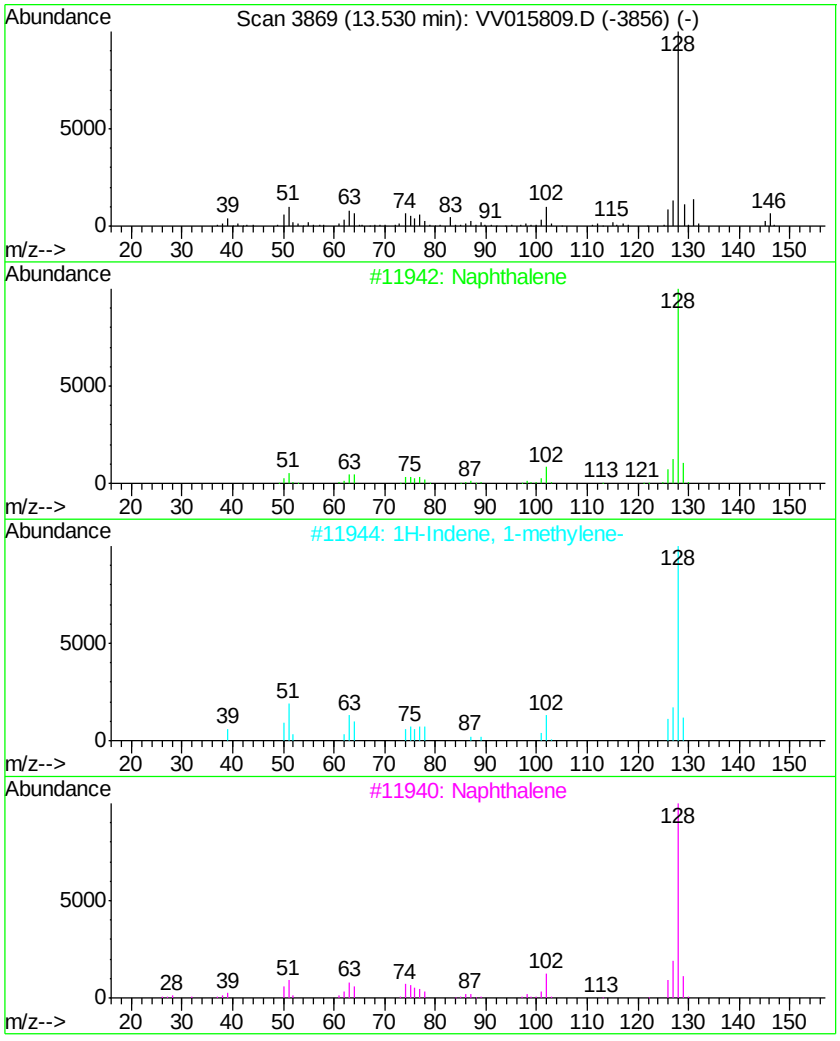
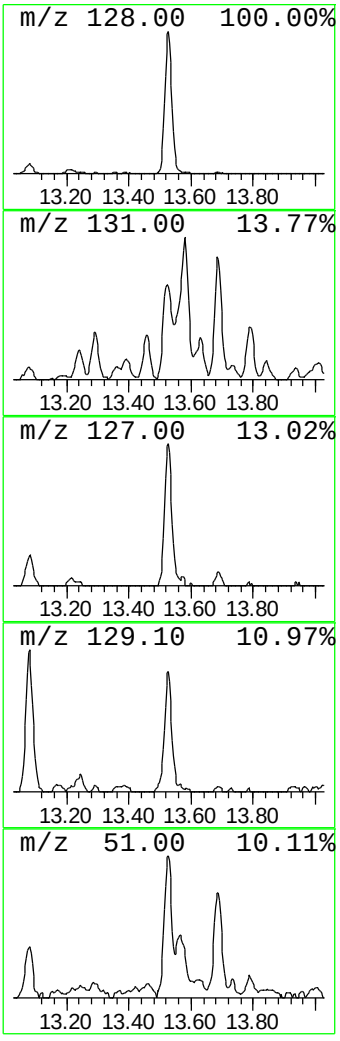
Peak Number 17 1H-Indene, 1-methylene- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.25 ug/L	186403	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	93
3	Naphthalene	128	C10H8	000091-20-3	90
4	Naphthalene	128	C10H8	000091-20-3	90
5	Azulene	128	C10H8	000275-51-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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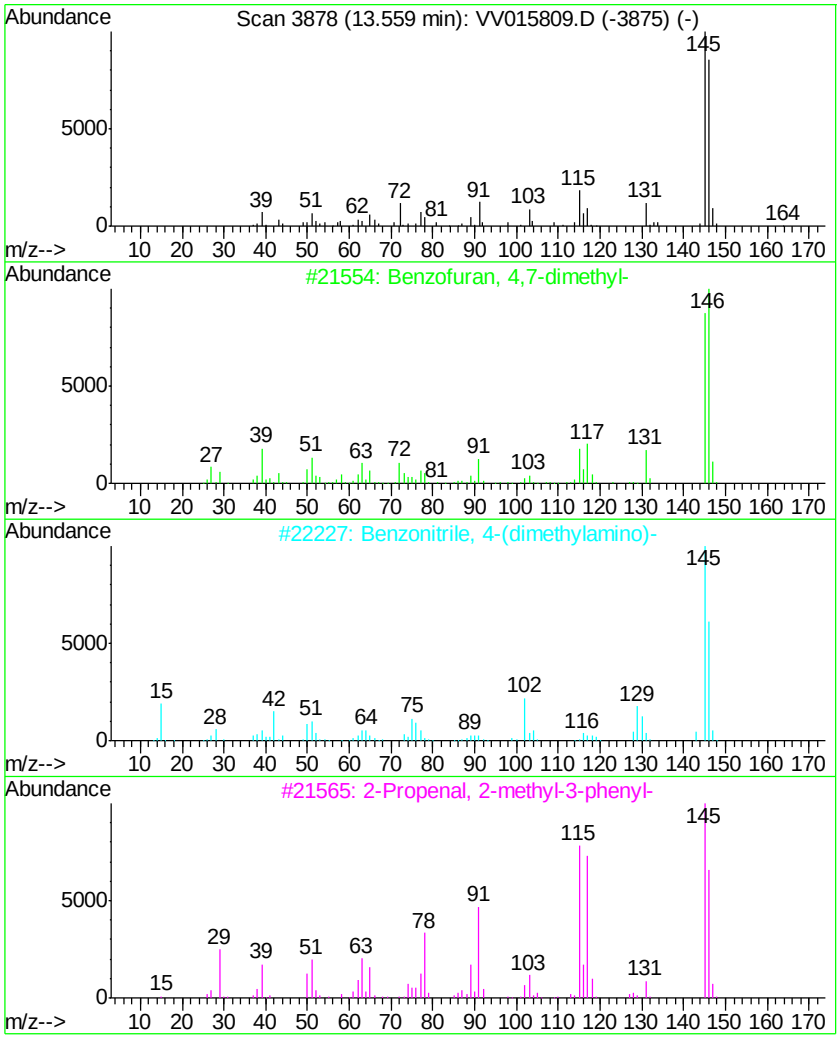
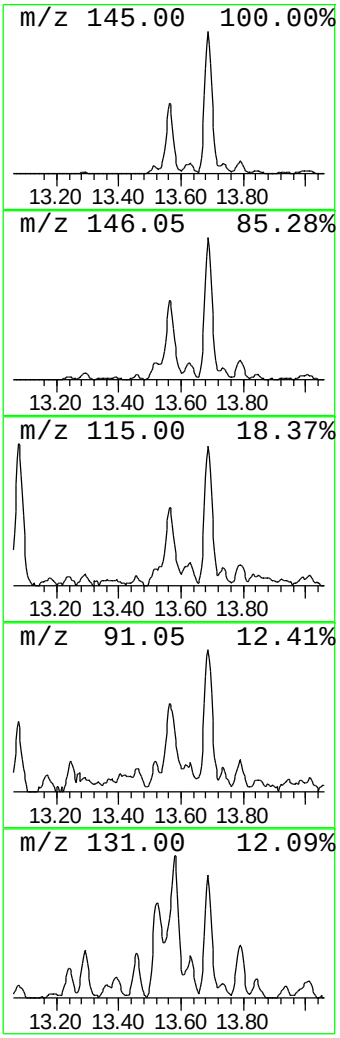
Peak Number 18 Benzofuran, 4,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	1.12 ug/L	92768	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	91
2	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	72
3	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	64
4	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	56
5	2-Propenal, 2-methyl-3-phenyl-	146	C10H10O	000101-39-3	56





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Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

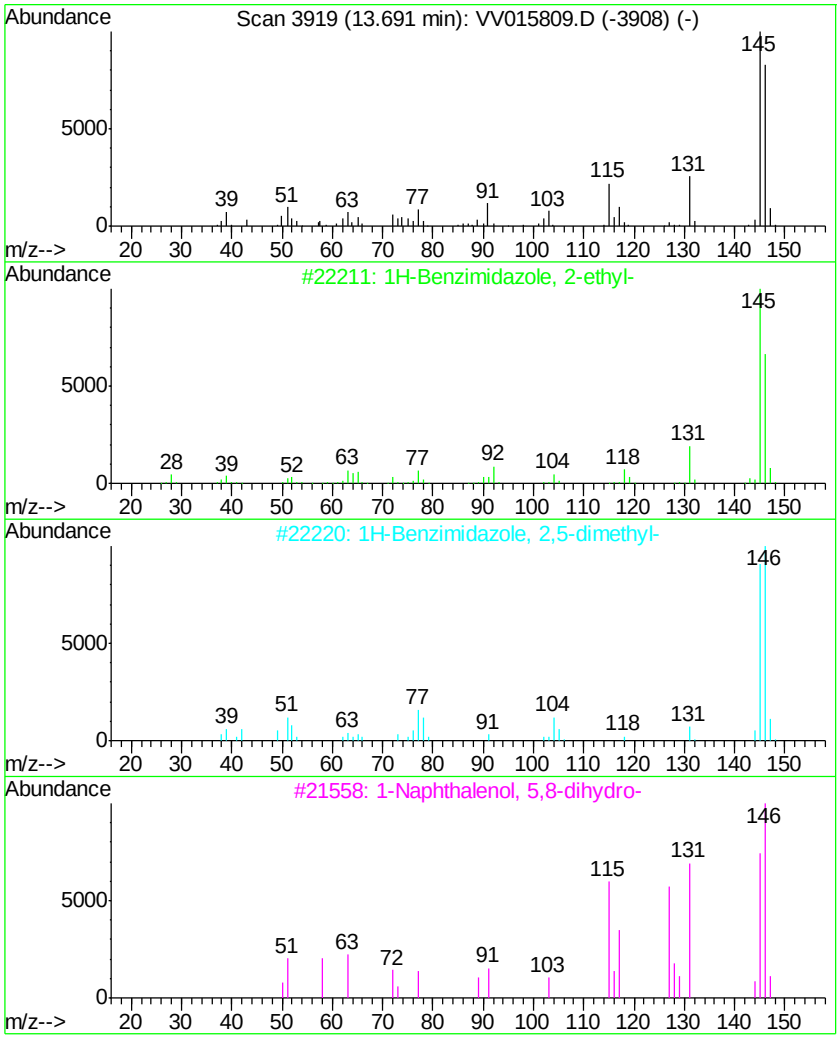
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

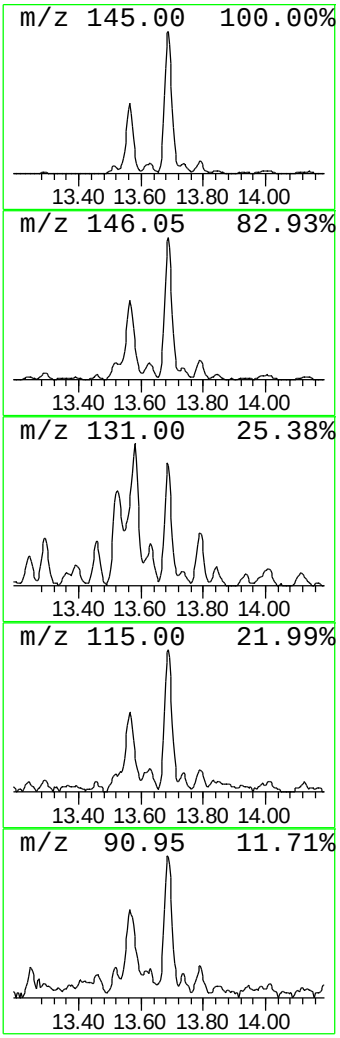
****

Peak Number 19 1H-Benzimidazole, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	1.89 ug/L	156850	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	64
2	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	59
3	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	53
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

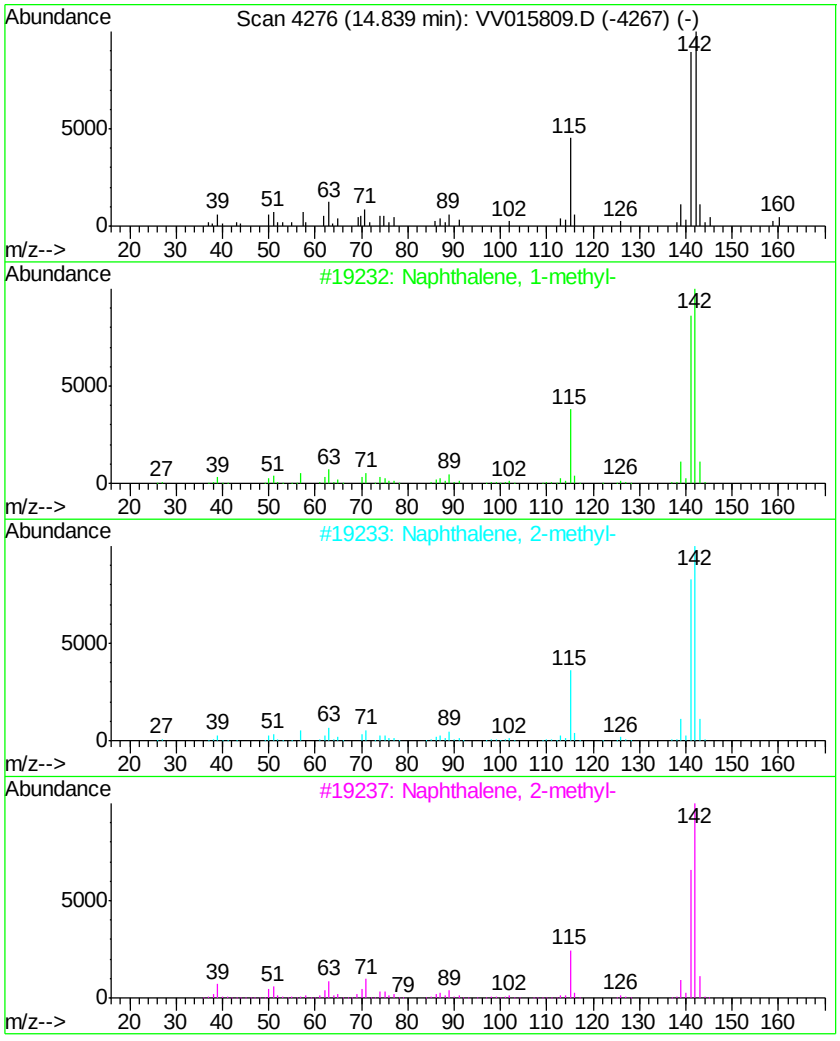
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

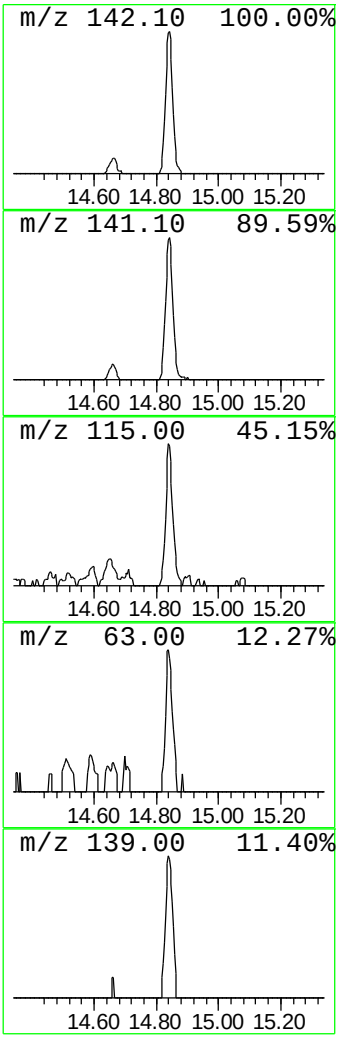
****

Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	0.57 ug/L	47146	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042920\
Data File : VV015809.D
Acq On : 29 Apr 2020 23:43
Operator : SY/MD
Sample : L2431-03
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKR2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.21	0.5	ug/L	32223	1	5.64	317963	5.0
Aminomethanesulfo...	1.39	1.3	ug/L	83518	1	5.64	317963	5.0
Benzene, 1-ethyl-...	10.50	0.8	ug/L	63988	3	11.27	414499	5.0
Benzene, 1-ethyl-...	10.76	0.6	ug/L	50203	3	11.27	414499	5.0
Benzene, 1,2,3-tr...	10.94	1.6	ug/L	128866	3	11.27	414499	5.0
Indane	11.55	3.2	ug/L	267294	3	11.27	414499	5.0
Benzene, 1-propynyl-	11.77	0.9	ug/L	74865	3	11.27	414499	5.0
Indan, 1-methyl-	12.14	0.7	ug/L	60379	3	11.27	414499	5.0
2-Propenal, 3-phe...	12.38	1.1	ug/L	94871	3	11.27	414499	5.0
Benzofuran, 7-met...	12.49	3.1	ug/L	255860	3	11.27	414499	5.0
Benzofuran, 2-met...	12.53	3.3	ug/L	271162	3	11.27	414499	5.0
Benzene, 2-etheny...	12.75	0.9	ug/L	72171	3	11.27	414499	5.0
1H-Indene, 2,3-di...	12.91	1.6	ug/L	131149	3	11.27	414499	5.0
Naphthalene, 1,2-...	13.08	0.9	ug/L	71778	3	11.27	414499	5.0
Ethyl-2-benzofuran	13.29	0.5	ug/L	42293	3	11.27	414499	5.0
1H-Indene, 1-meth...	13.53	2.3	ug/L	186403	3	11.27	414499	5.0
Benzofuran, 4,7-d...	13.56	1.1	ug/L	92768	3	11.27	414499	5.0
1H-Benzimidazole,...	13.69	1.9	ug/L	156850	3	11.27	414499	5.0
Naphthalene, 1-me...	14.84	0.6	ug/L	47146	3	11.27	414499	5.0