LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	61	70	82	rVB	56360	60874	10.90%	0.657%
2	1.579	144	152	161	rBV	47679	57069	10.22%	0.616%
3	2.122	310	321	347	rVB	90379	140148	25.10%	1.514%
4	2.527	436	447	457	rVB2	4587	8195	1.47%	0.089%
5	3.537	746	761	784	rBV3	17040	42311	7.58%	0.457%
6	3.936	873	885	929	rBV2	40583	169488	30.35%	1.831%
7	4.379	1006	1023	1050	rBV2	64981	174415	31.23%	1.884%
8	5.074	1220	1239	1249	rBV2	152299	377530	67.60%	4.077%
9	5.125	1251	1255	1276	rVB2	71136	138651	24.83%	1.497%
10	5.563	1379	1391	1404	rBV2	6370	15378	2.75%	0.166%
11	5.643	1404	1416	1440	rVB	148005	297777	53.32%	3.216%
12	5.942	1497	1509	1520	rBV2	10685	21421	3.84%	0.231%
13	6.055	1529	1544	1550	rBV	84114	156350	28.00%	1.689%
14	6.093	1550	1556	1575	rVB	92743	189437	33.92%	2.046%
15	6.286	1607	1616	1630	rBV6	6470	15440	2.76%	0.167%
16	7.010	1828	1841	1858	rBV2	41923	79628	14.26%	0.860%
17	7.264	1911	1920	1931	rBV7	2755	6480	1.16%	0.070%
18	7.338	1931	1943	1955	rBV	179892	311186	55.72%	3.361%
19	7.412	1955	1966	1985	rVV	318677	558468	100.00%	6.032%
20	7.498	1985	1993	2003	rVB3	6900	11494	2.06%	0.124%
21	7.646	2029	2039	2056	rBV2	25463	44535	7.97%	0.481%
22	7.730	2056	2065	2074	rVB5	3869	7042	1.26%	0.076%
23	7.862	2096	2106	2121	rBV	41526	69702	12.48%	0.753%
24	7.961	2129	2137	2145	rVB2	4190	6153	1.10%	0.066%
25	8.035	2151	2160	2172	rBV2	5734	10881	1.95%	0.118%
26	8.112	2173	2184	2216	rBV2	209048	420218	75.24%	4.539%
27	8.874	2397	2421	2446	rBV	235239	420761	75.34%	4.544%
28	8.971	2447	2451	2460	rVB7	4546	6832	1.22%	0.074%
29	9.035	2460	2471	2487	rBV	146105	250998	44.94%	2.711%
30	9.157	2493	2509	2524	rVV	195083	356387	63.82%	3.849%
31	9.235	2524	2533	2548	rVV2	19340	36056	6.46%	0.389%
32	9.312	2548	2557	2572	rVB4	10263	19909	3.56%	0.215%
33	9.566	2620	2636	2648	rBV	127158	210575	37.71%	2.274%
34	9.698	2667	2677	2689	rBV2	27257	45062	8.07%	0.487%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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	9.765	2689	2698	2709	rVB2	15440	24596	4.40%	0.266%
36	9.884	2721	2735	2745	rBV2	42730	74087	13.27%	0.800%
37	9.945	2745	2754	2780	rVB8	31438	92530	16.57%	0.999%
38	10.112	2791	2806	2814	rBV9	5388	11281	2.02%	0.122%
39	10.167	2816	2823	2831	rBV6	5327	7399	1.32%	0.080%
40	10.238	2831	2845	2857	rVV	74747	124569	22.31%	1.345%
41	10.379	2877	2889	2892	rBV	27803	40630	7.28%	0.439%
42	10.469	2908	2917	2923	rBV2	46035	77757	13.92%	0.840%
43	10.540	2931	2939	2954	rVB4	49822	107325	19.22%	1.159%
44	10.611	2957	2961	2972	rVB7	4674	8251	1.48%	0.089%
45	10.759	2998	3007	3015	rBV3	43456	68377	12.24%	0.738%
46	10.884	3038	3046	3052	rBV2	12573	19979	3.58%	0.216%
47	10.935	3053	3062	3076	rVB	94387	146018	26.15%	1.577%
48	11.013	3076	3086	3096	rBV2	57617	87052	15.59%	0.940%
49	11.074	3096	3105	3117	rBV3	26802	41443	7.42%	0.448%
50	11.157	3117	3131	3134	rBV3	29739	45785	8.20%	0.494%
51	11.193	3134	3142	3152	rVB	133565	199403	35.71%	2.154%
52	11.270	3157	3166	3183	rVB	274373	435434	77.97%	4.703%
53	11.357	3183	3193	3203	rBV2	87060	143756	25.74%	1.553%
54	11.421	3206	3213	3225	rVB4	26433	45339	8.12%	0.490%
55	11.550	3242	3253	3264	rBV	85006	143129	25.63%	1.546%
56	11.646	3264	3283	3299	rVB	206159	383073	68.59%	4.137%
57	11.771	3311	3322	3340	rBV3	95022	193922	34.72%	2.094%
58	11.932	3359	3372	3377	rBV8	13996	31303	5.61%	0.338%
59	12.035	3393	3404	3412	rBV2	14993	25779	4.62%	0.278%
60	12.083	3412	3419	3425	rBV3	12110	17143	3.07%	0.185%
61	12.135	3425	3435	3443	rBV4	22662	41179	7.37%	0.445%
62	12.183	3443	3450	3458	rVB4	21565	33734	6.04%	0.364%
63	12.228	3460	3464	3469	rBV6	5481	6726	1.20%	0.073%
64	12.267	3470	3476	3487	rVB4	30288	46957	8.41%	0.507%
65	12.334	3488	3497	3503	rBV6	13388	26783	4.80%	0.289%
66	12.382	3503	3512	3522	rVB5	73915	124356	22.27%	1.343%
67	12.485	3533	3544	3550	rBV3	123881	248989	44.58%	2.689%
68	12.530	3551	3558	3566	rVB	209968	298053	53.37%	3.219%
69	12.749	3615	3626	3636	rVB	31474	50882	9.11%	0.550%
70	12.906	3662	3675	3688	rBV4	58741	115407	20.66%	1.246%
71	12.971	3688	3695	3709	rVB	47108	74632	13.36%	0.806%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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	13.080	3717	3729	3743	rVB2	64878	107738	19.29%	1.164%
73	13.170	3750	3757	3763	rBV10	6051	10110	1.81%	0.109%
74	13.244	3774	3780	3787	rBV6	13853	17957	3.22%	0.194%
75	13.289	3787	3794	3803	rVB8	10210	15184	2.72%	0.164%
76	13.460	3841	3847	3855	rVB5	11339	16028	2.87%	0.173%
77	13.527	3855	3868	3875	rBV	210144	349072	62.51%	3.770%
78	13.688	3908	3918	3928	rBV	100940	163307	29.24%	1.764%
79	13.733	3928	3932	3941	rVB5	12511	17085	3.06%	0.185%
80	13.787	3941	3949	3959	rVB2	25573	37511	6.72%	0.405%
81	13.849	3959	3968	3978	rBV10	5198	9590	1.72%	0.104%
82	13.935	3986	3995	4004	rBV10	3354	7088	1.27%	0.077%
83	13.990	4004	4012	4014	rBV8	4653	5643	1.01%	0.061%
84	14.167	4060	4067	4077	rVB9	4421	8076	1.45%	0.087%
85	14.283	4097	4103	4108	rVV6	5772	8800	1.58%	0.095%
86	14.315	4109	4113	4123	rVB6	4533	6064	1.09%	0.065%
87	14.588	4192	4198	4207	rBV5	5258	7085	1.27%	0.077%
88	14.659	4208	4220	4228	rVV3	23348	39425	7.06%	0.426%
89	14.707	4228	4235	4244	rVB7	4539	6612	1.18%	0.071%
90	14.842	4268	4277	4288	rBV	16570	26620	4.77%	0.288%

Sum of corrected areas: 9258904

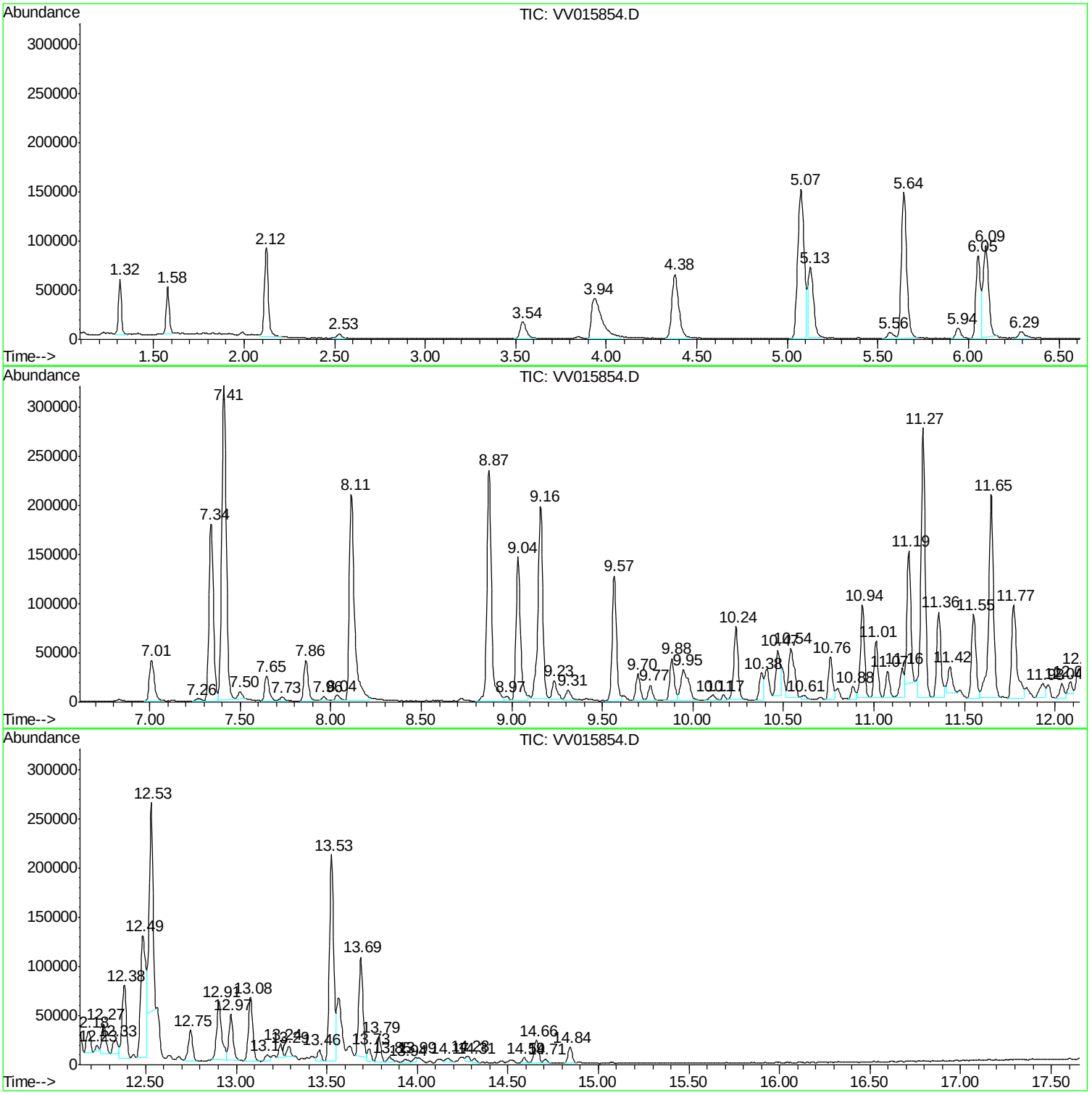
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

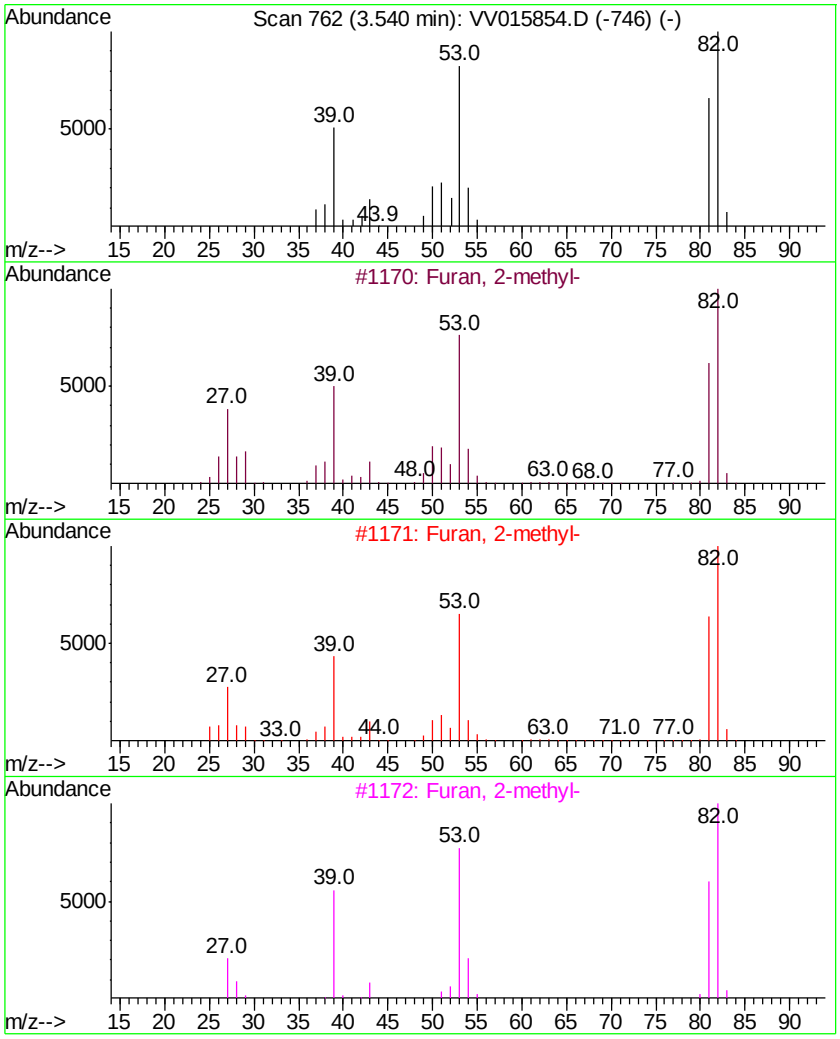
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

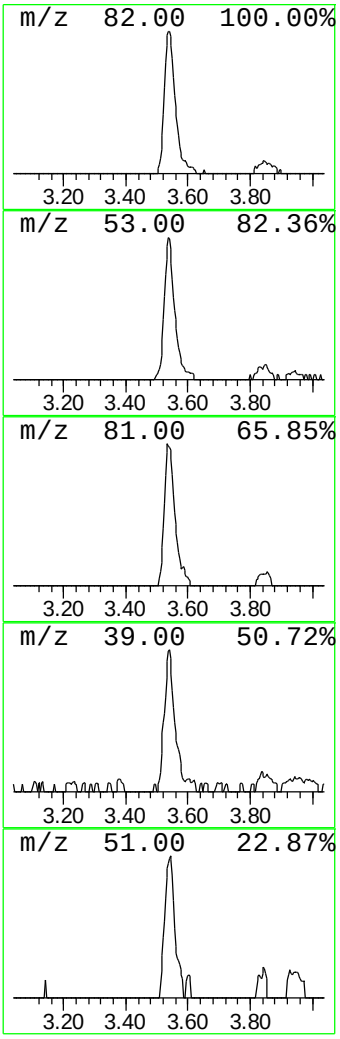
****

Peak Number 1 Furan, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	0.71 ug/L	42311	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-methyl-	82	C5H6O	000534-22-5	97
2	Furan, 2-methyl-	82	C5H6O	000534-22-5	91
3	Furan, 2-methyl-	82	C5H6O	000534-22-5	87
4	Furan, 2-methyl-	82	C5H6O	000534-22-5	80
5	Pent-2-ynal	82	C5H6O	055136-52-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

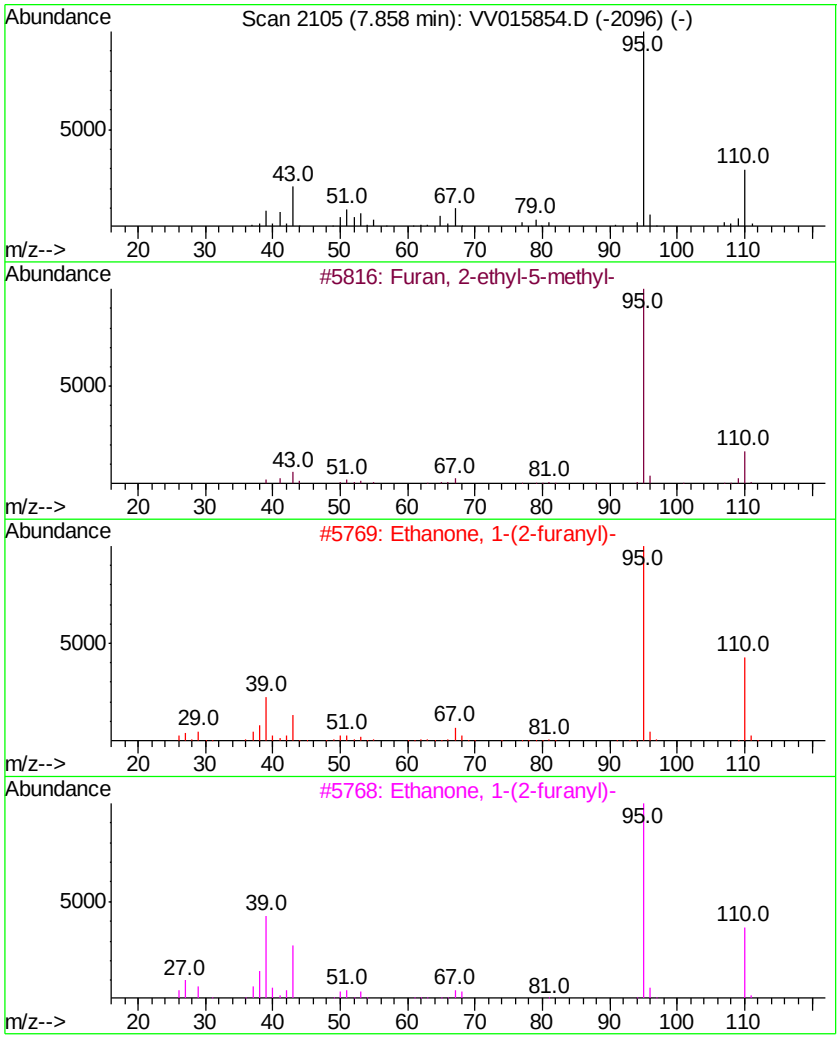
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

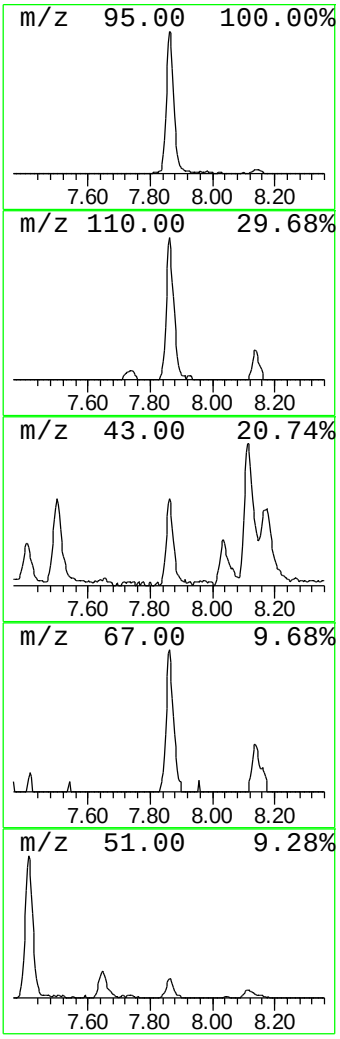
****

Peak Number 3 Furan, 2-ethyl-5-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	0.83 ug/L	69702	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	86
2	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	80
3	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	72
4	Ethanone, 1-(1H-pyrazol-4-yl)-	110	C5H6N2O	025016-16-4	64
5	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

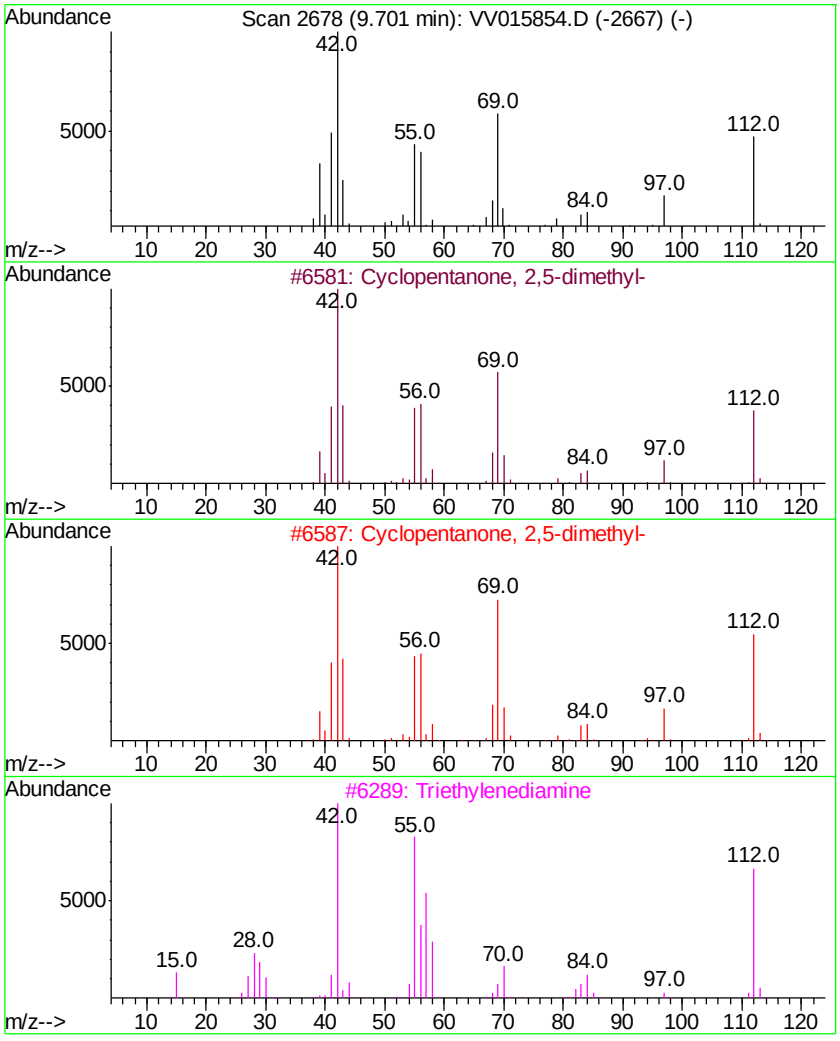
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

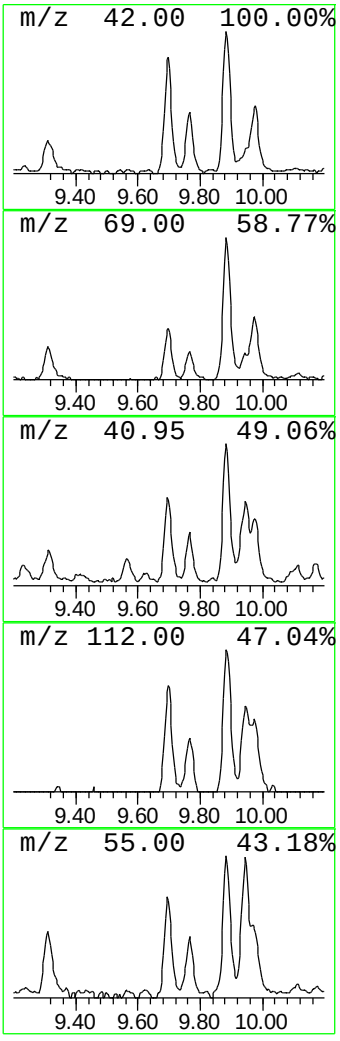
****

Peak Number 4 Cyclopentanone, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	0.54 ug/L	45062	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	94
2	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	91
3	Triethylenediamine	112	C6H12N2	000280-57-9	59
4	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	50
5	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

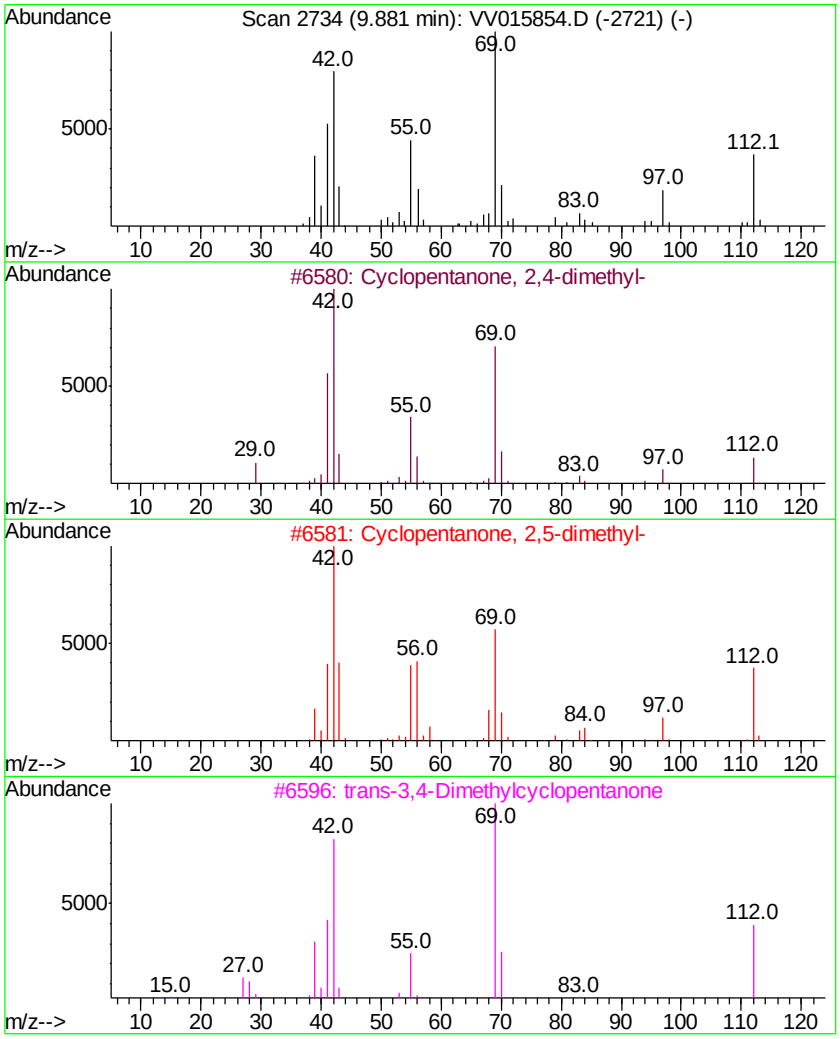
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

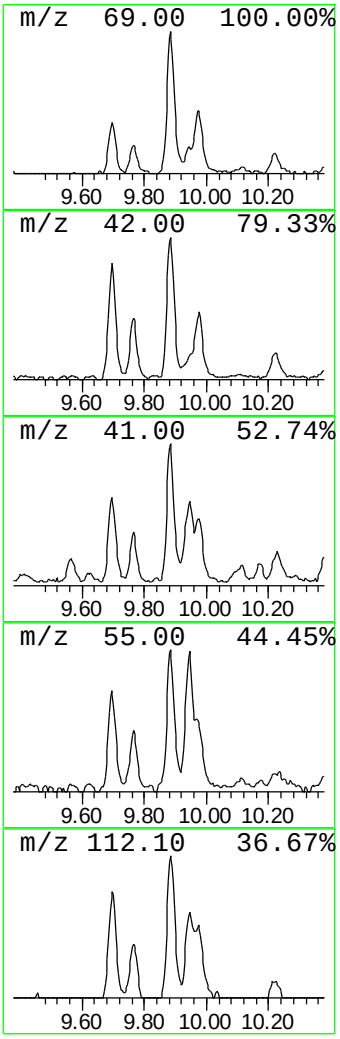
****

Peak Number 5 Cyclopentanone, 2,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	0.88 ug/L	74087	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,4-dimethyl-	112	C7H12O	001121-33-1	81
2	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	68
3	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	58
4	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	50
5	1,3-Dioxepin, 4,7-dihydro-	100	C5H8O2	005417-32-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

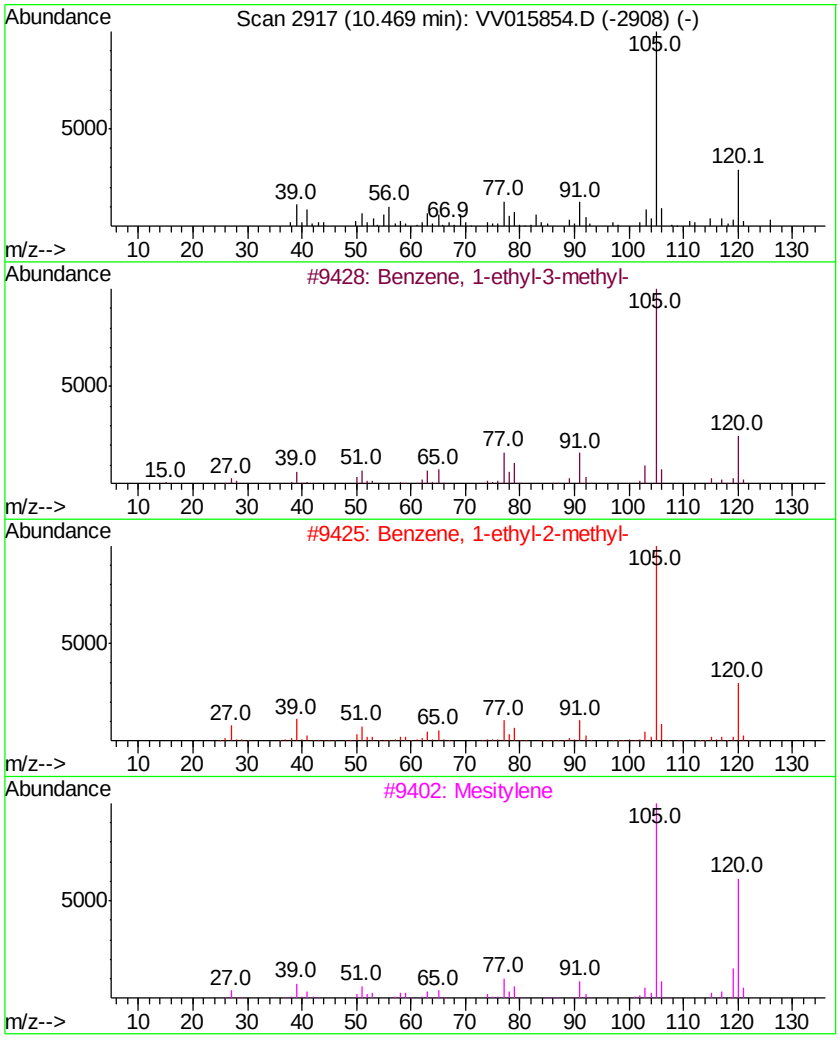
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

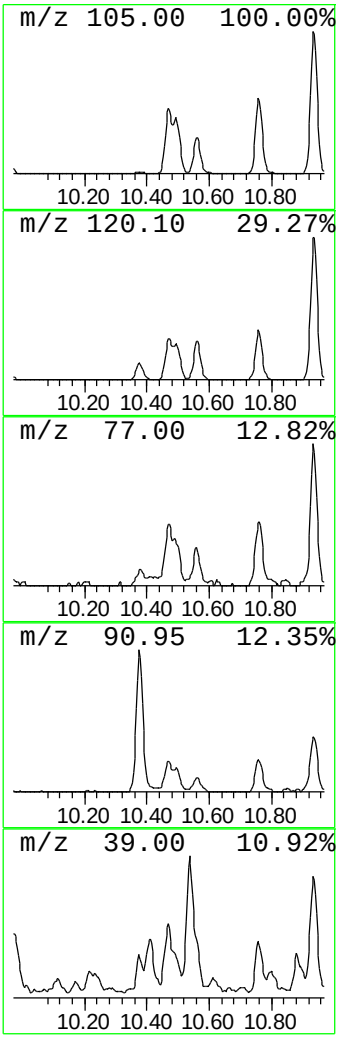
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	0.89 ug/L	77757	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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

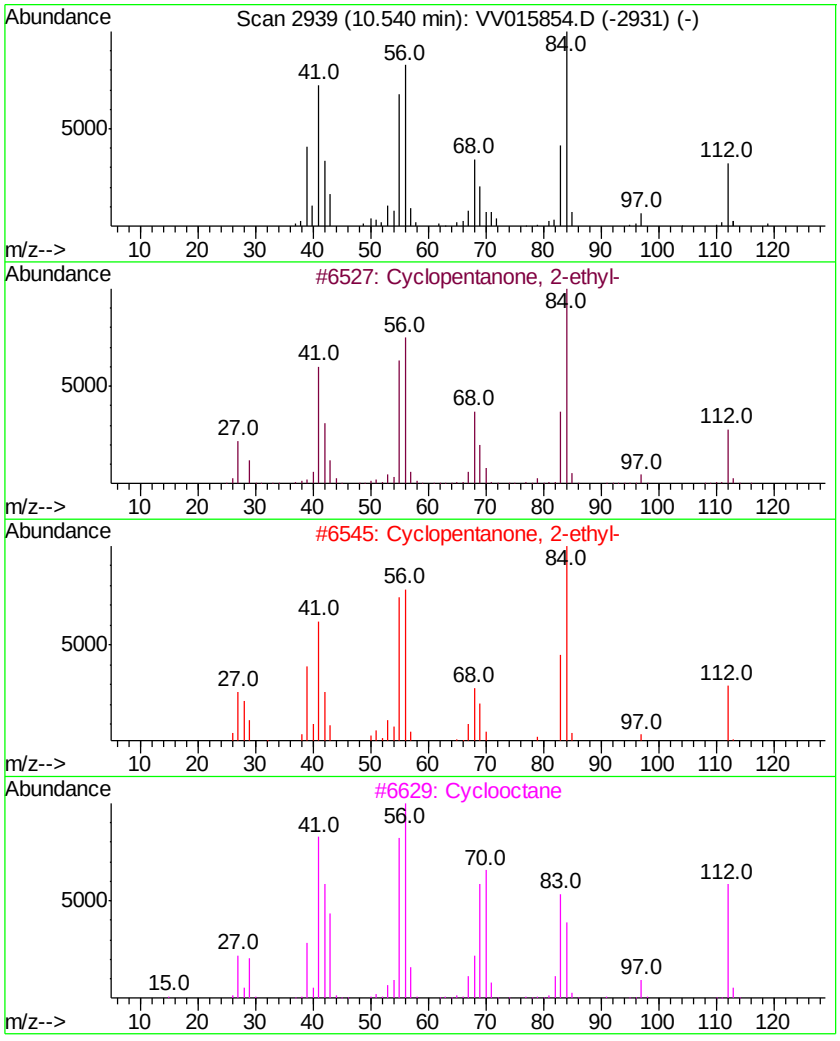
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

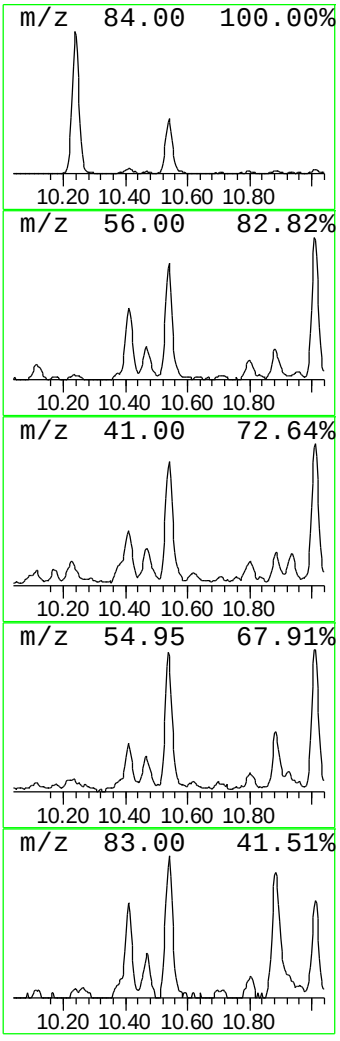
****

Peak Number 7 Cyclopentanone, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	1.23 ug/L	107325	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	95
2	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	91
3	Cyclooctane	112	C8H16	000292-64-8	60
4	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50
5	Cyclopentanone	84	C5H8O	000120-92-3	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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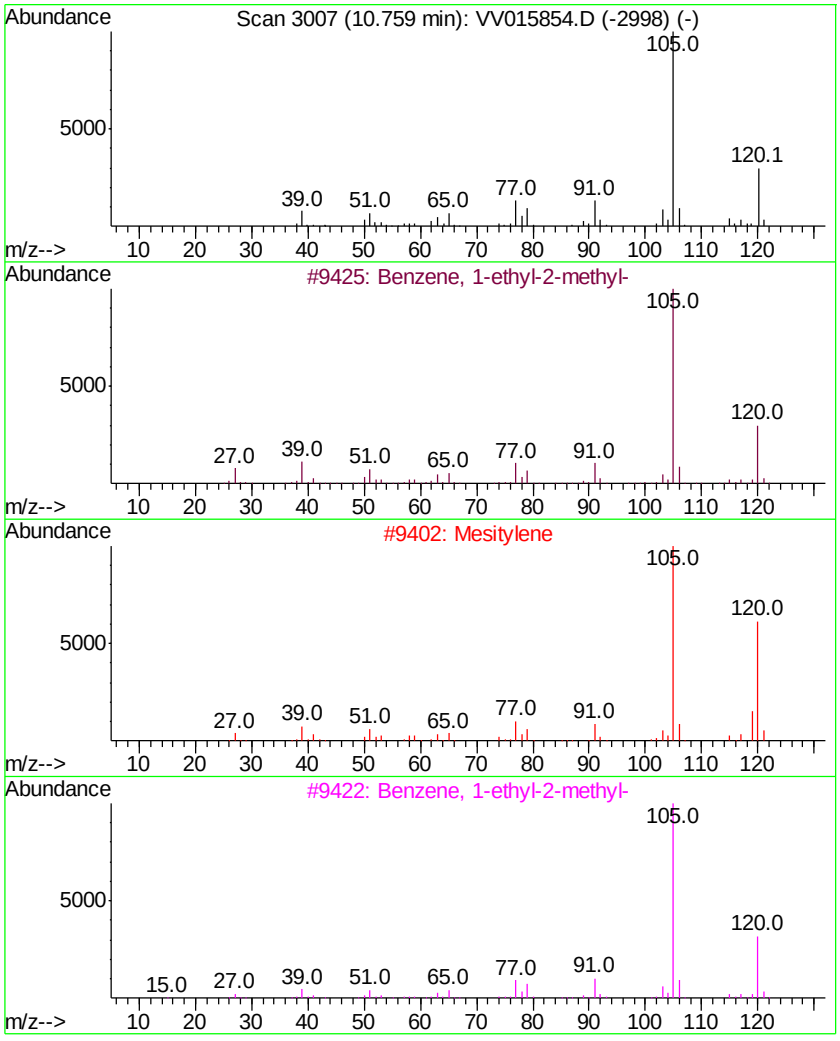
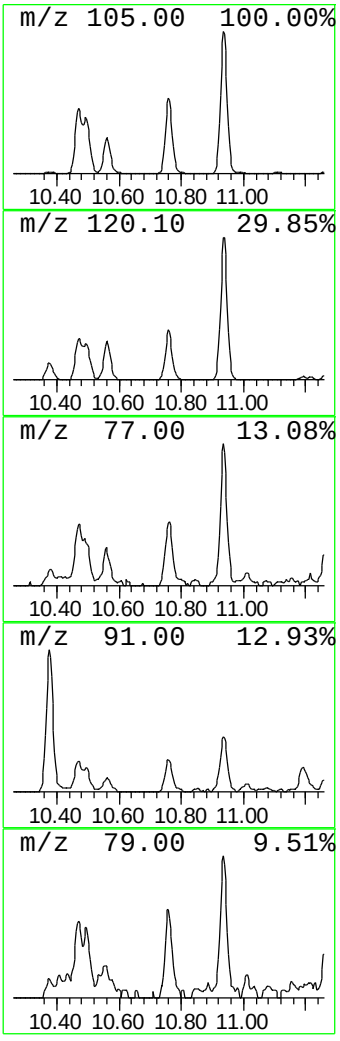
Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	0.79 ug/L	68377	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	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
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\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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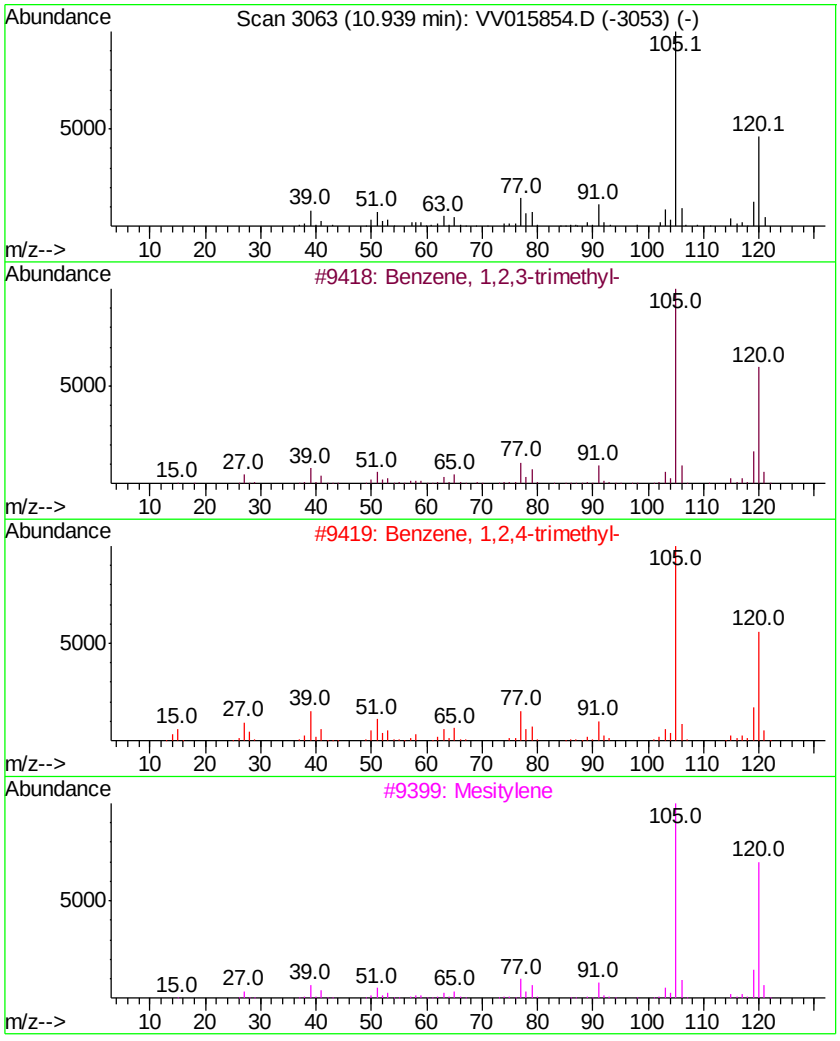
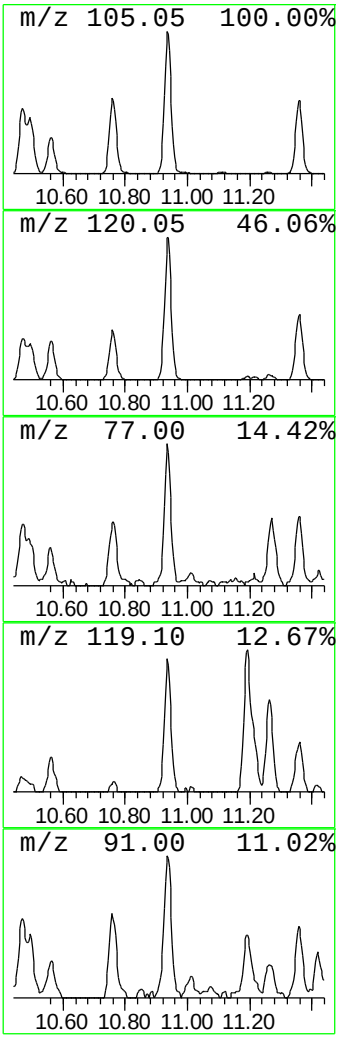
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	1.68 ug/L	146018	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	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

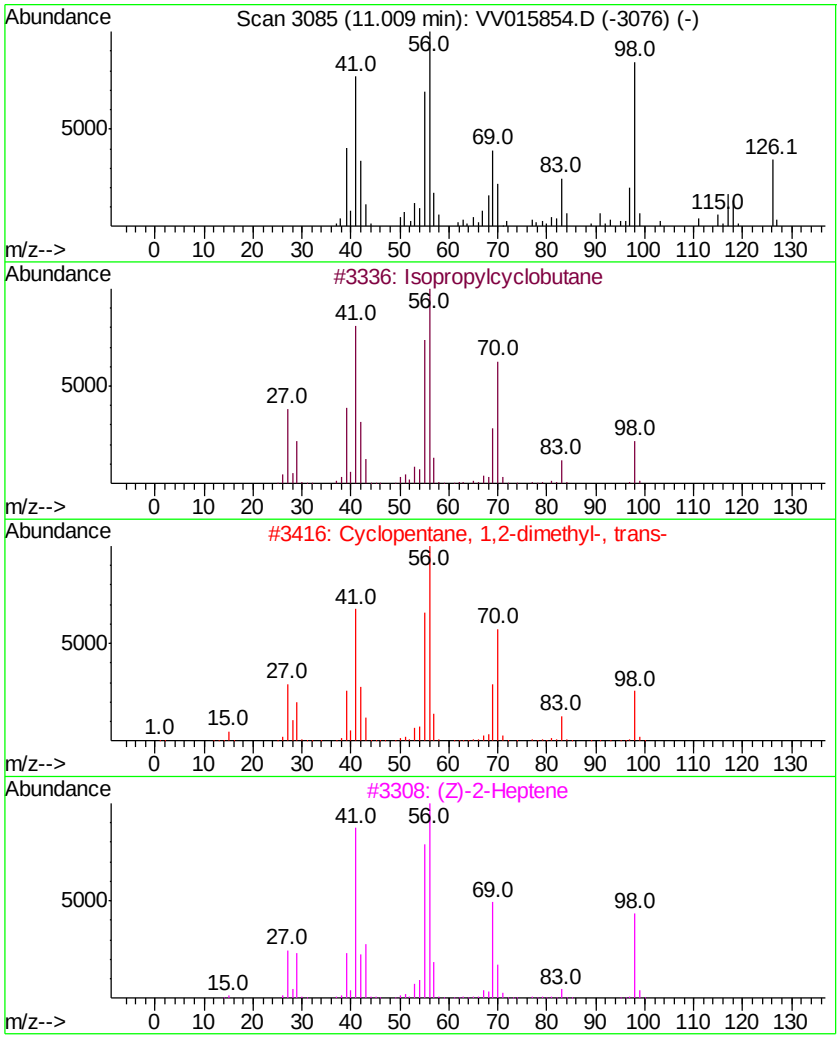
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

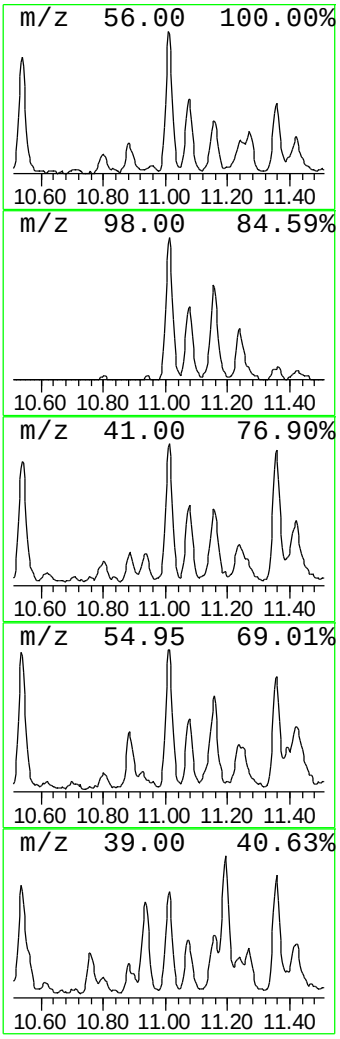
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	1.00 ug/L	87052	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	76
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	60
3	(Z)-2-Heptene	98	C7H14	006443-92-1	60
4	3-Heptene, (E)-	98	C7H14	014686-14-7	53
5	(Z)-3-Heptene	98	C7H14	007642-10-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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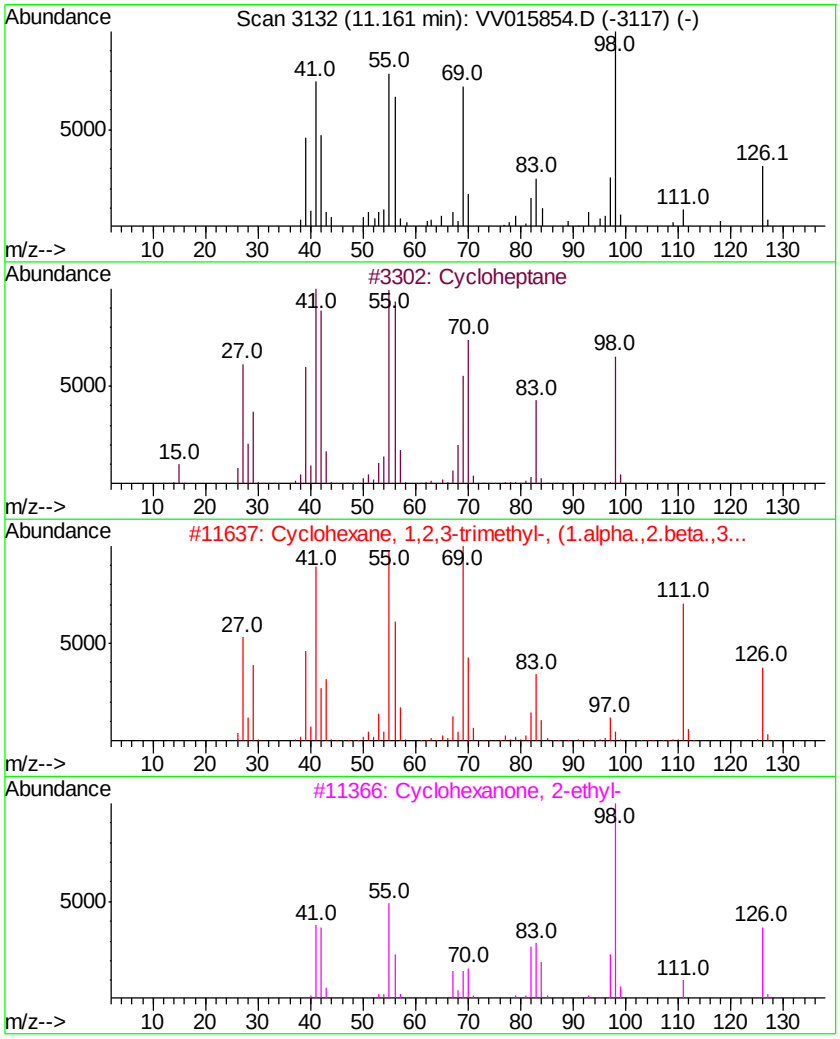
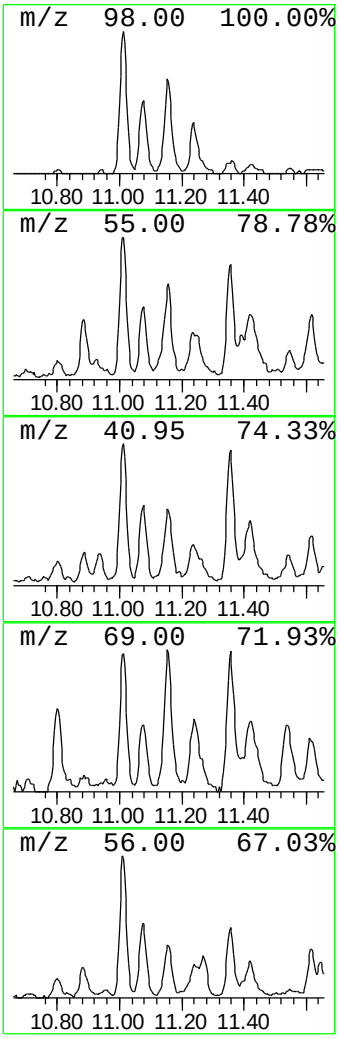
Peak Number 11 (DEL) Alkane: Cyclic11.16 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	0.53 ug/L	45785	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	64
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	60
3	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	58
4	1-Heptene	98	C7H14	000592-76-7	52
5	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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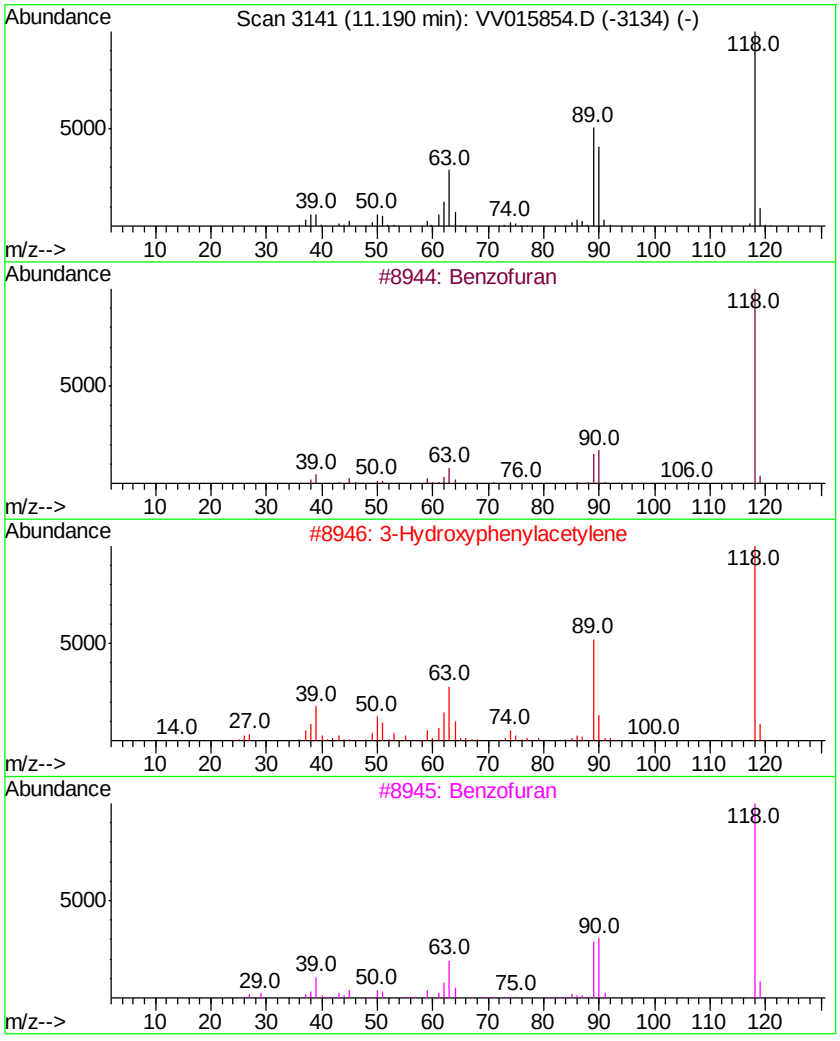
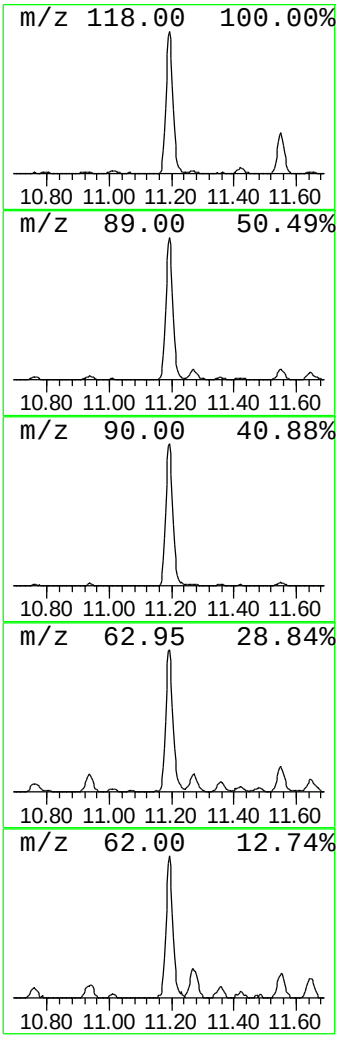
Peak Number 12 Benzofuran Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.29 ug/L	199403	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	87
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	81
3	Benzofuran	118	C8H6O	000271-89-6	64
4	Benzofuran	118	C8H6O	000271-89-6	53
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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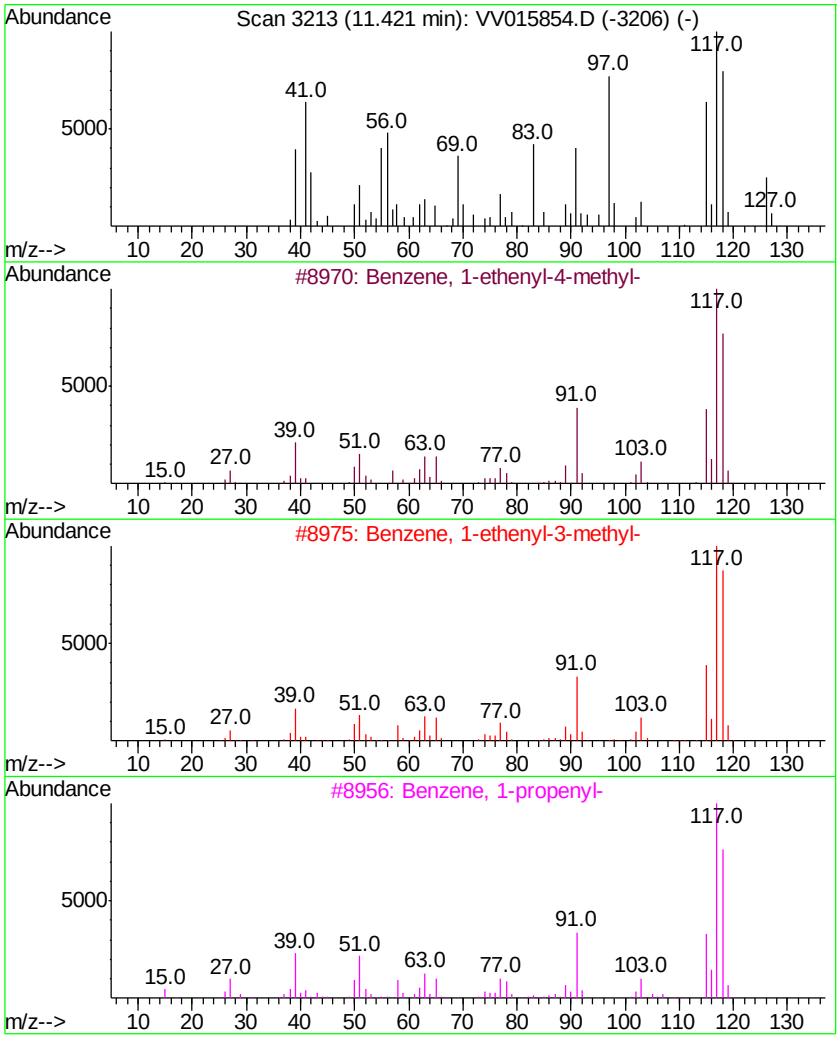
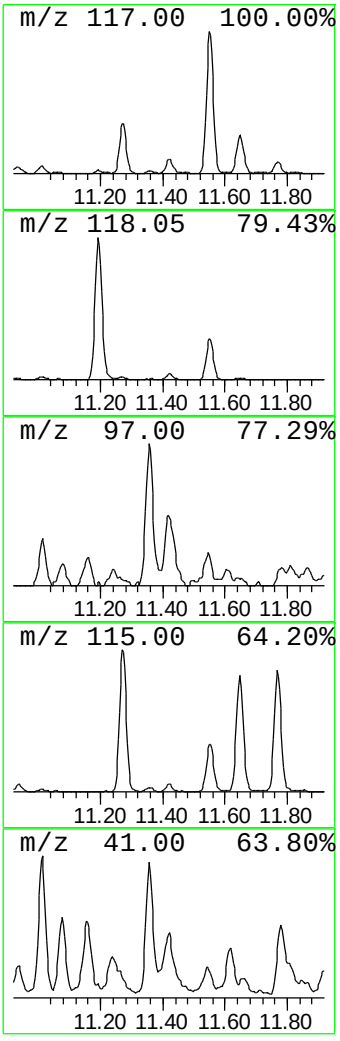
Peak Number 14 Benzene, 1-ethenyl-4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	0.52 ug/L	45339	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	83
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	80
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	62
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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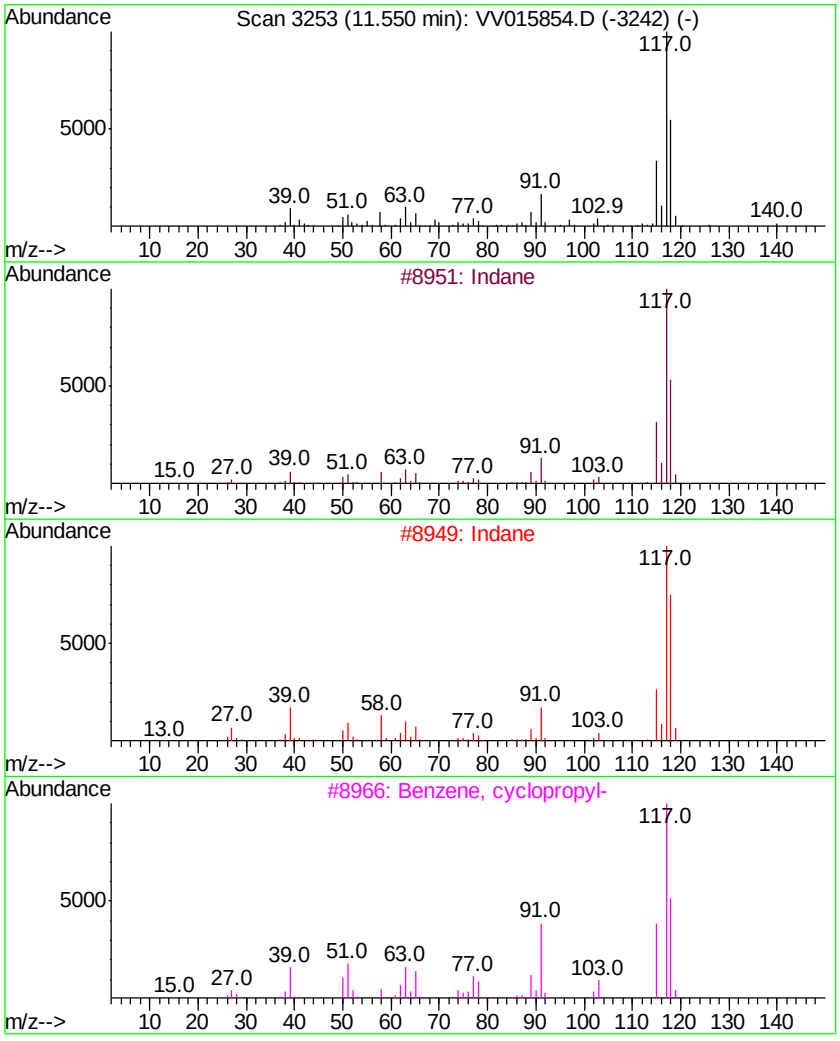
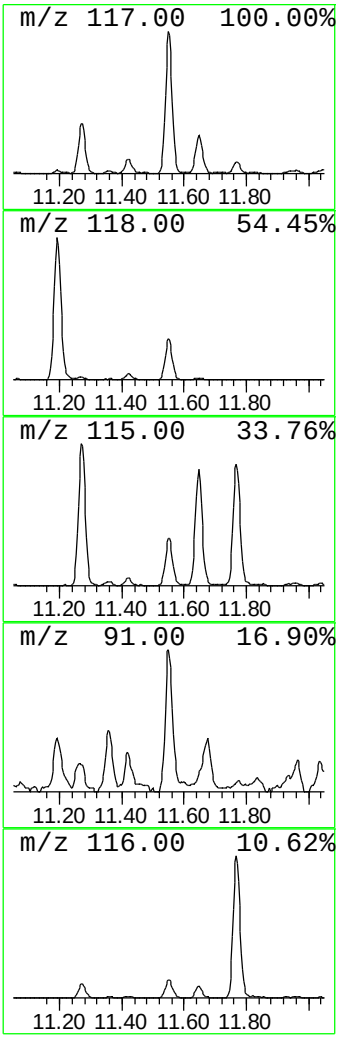
Peak Number 15 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	1.64 ug/L	143129	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	Benzene, cyclopropyl-	118	C9H10	000873-49-4	90
4	Indane	118	C9H10	000496-11-7	87
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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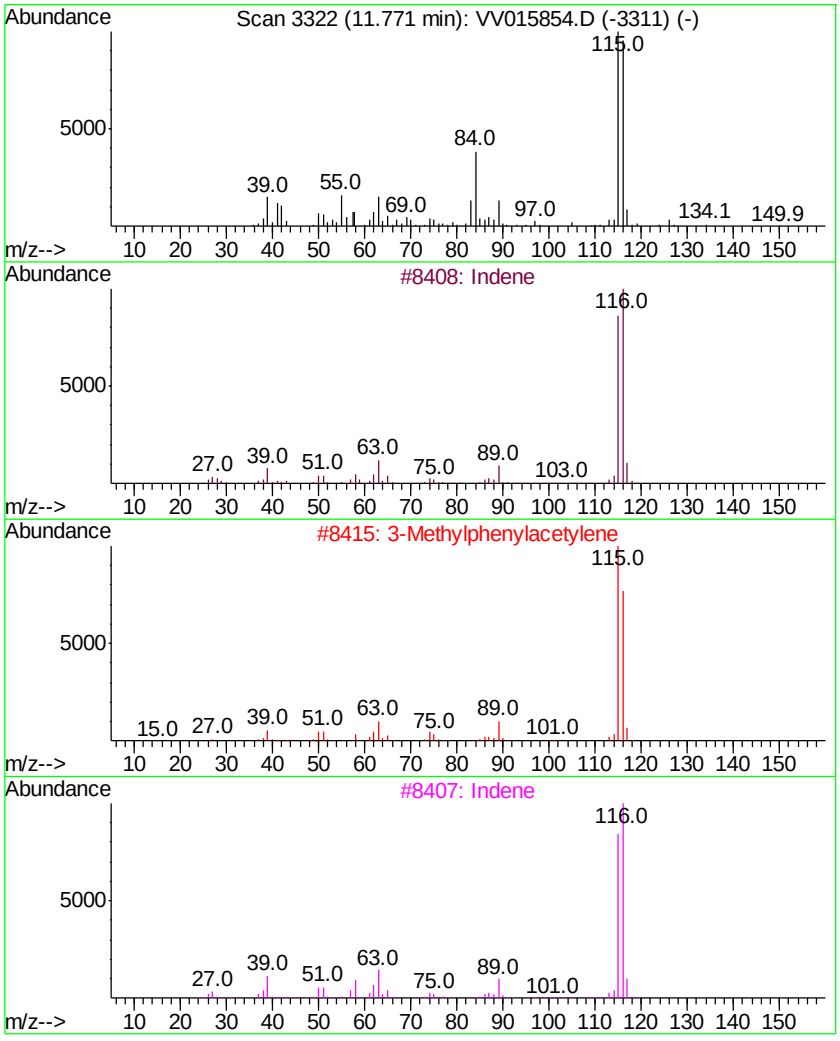
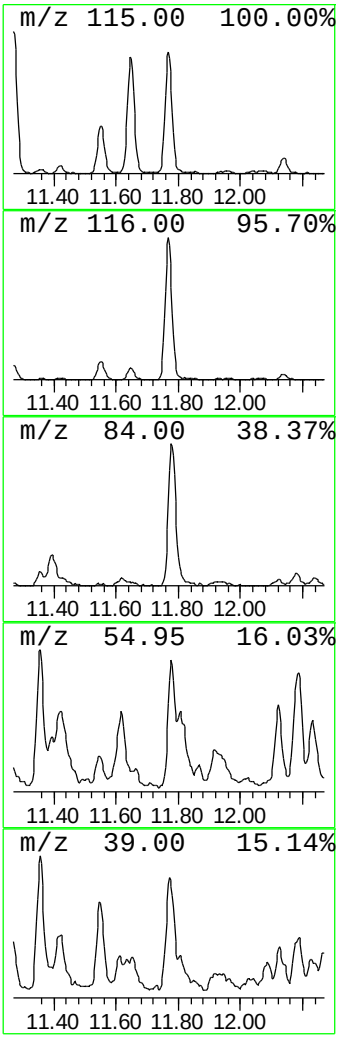
Peak Number 16 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.23 ug/L	193922	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	93
3	Indene	116	C9H8	000095-13-6	90
4	Indene	116	C9H8	000095-13-6	89
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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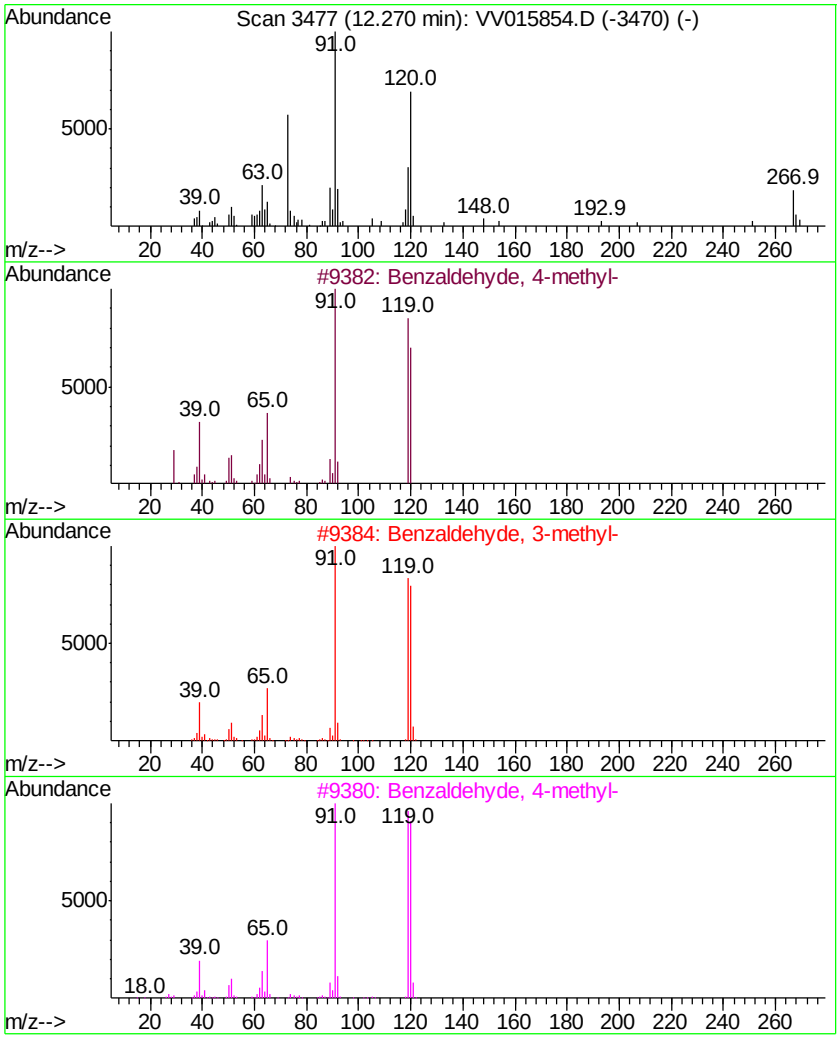
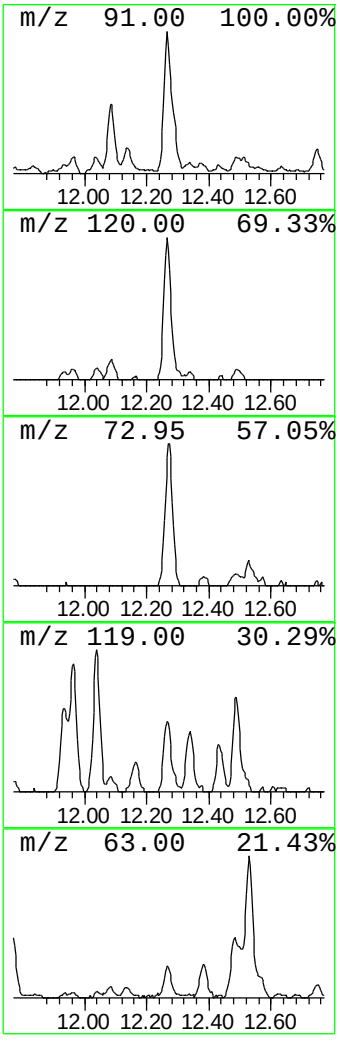
Peak Number 17 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	0.54 ug/L	46957	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	49
2	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	43
3	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	43
4	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	43
5	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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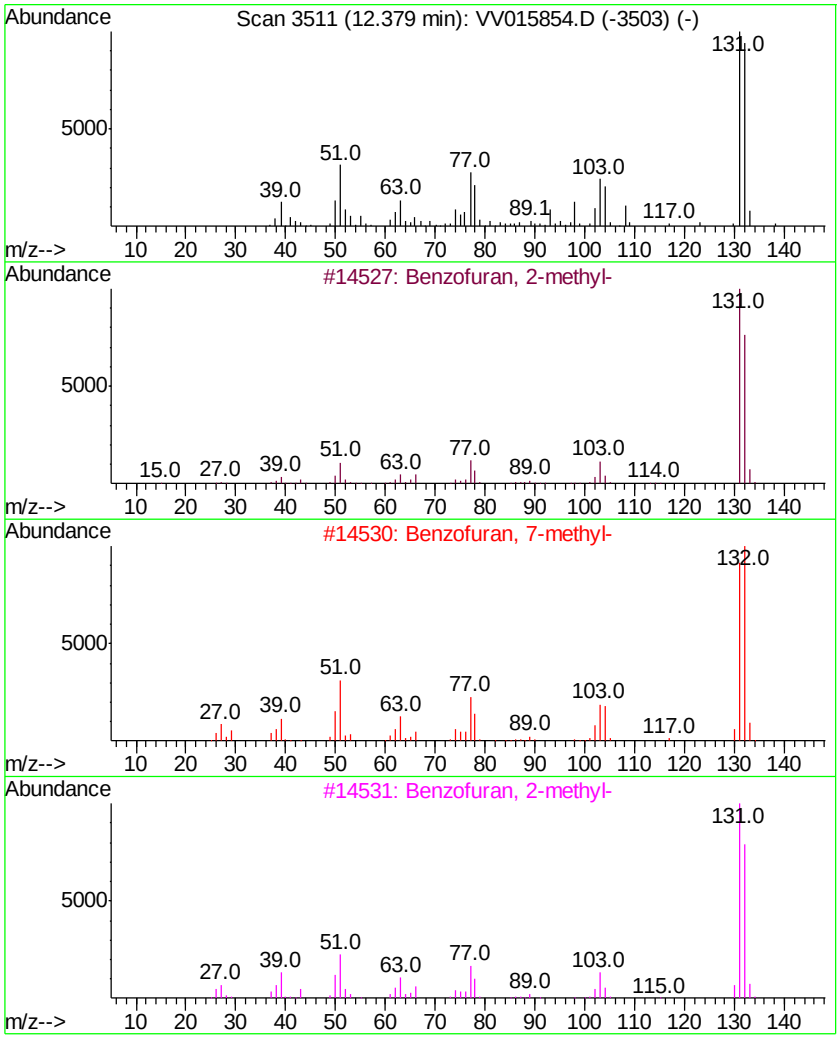
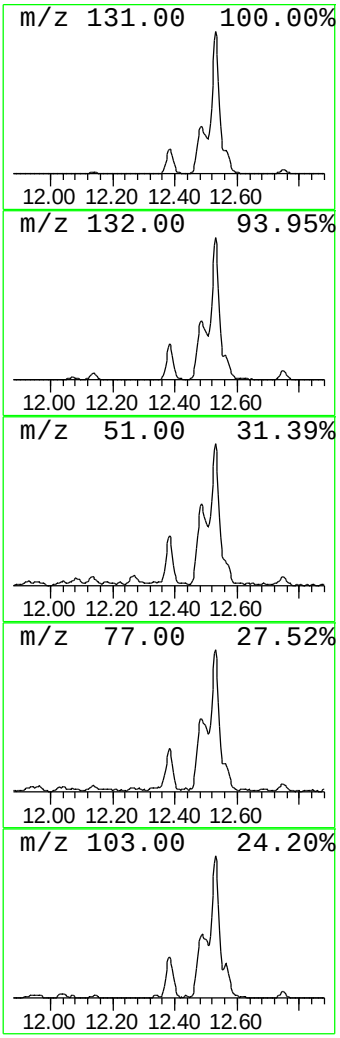
Peak Number 18 Benzofuran, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	1.43 ug/L	124356	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, 7-methyl-	132	C9H8O	017059-52-8	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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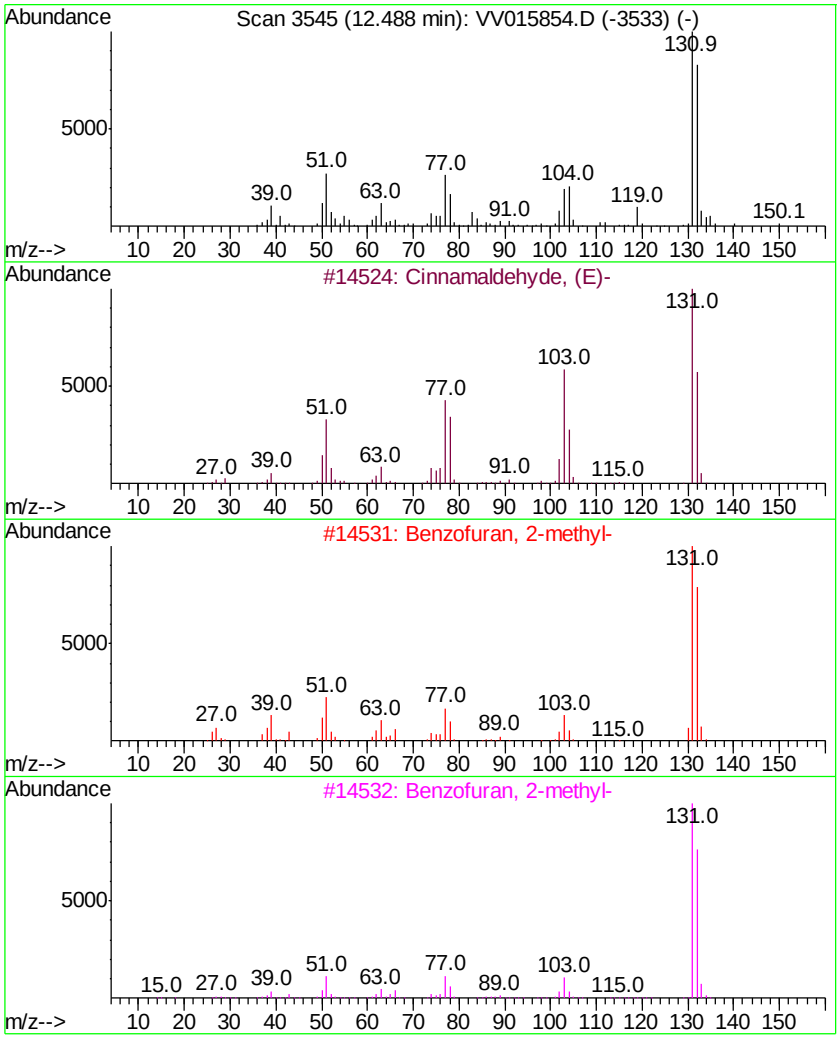
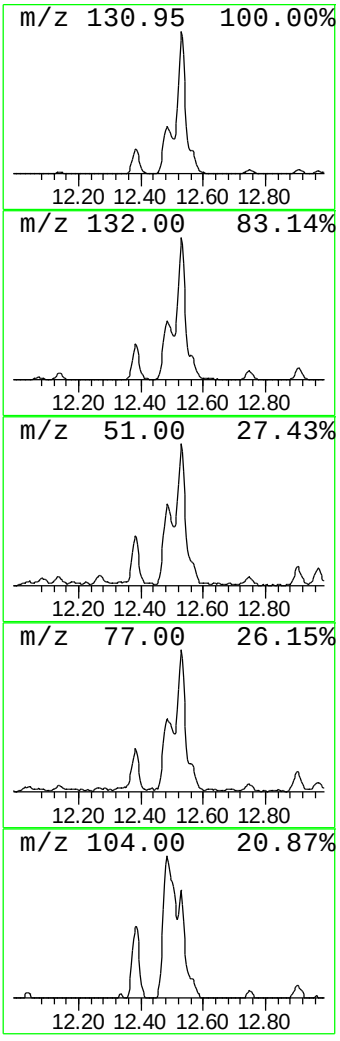
Peak Number 19 Cinnamaldehyde, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.86 ug/L	248989	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91
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	91
5	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

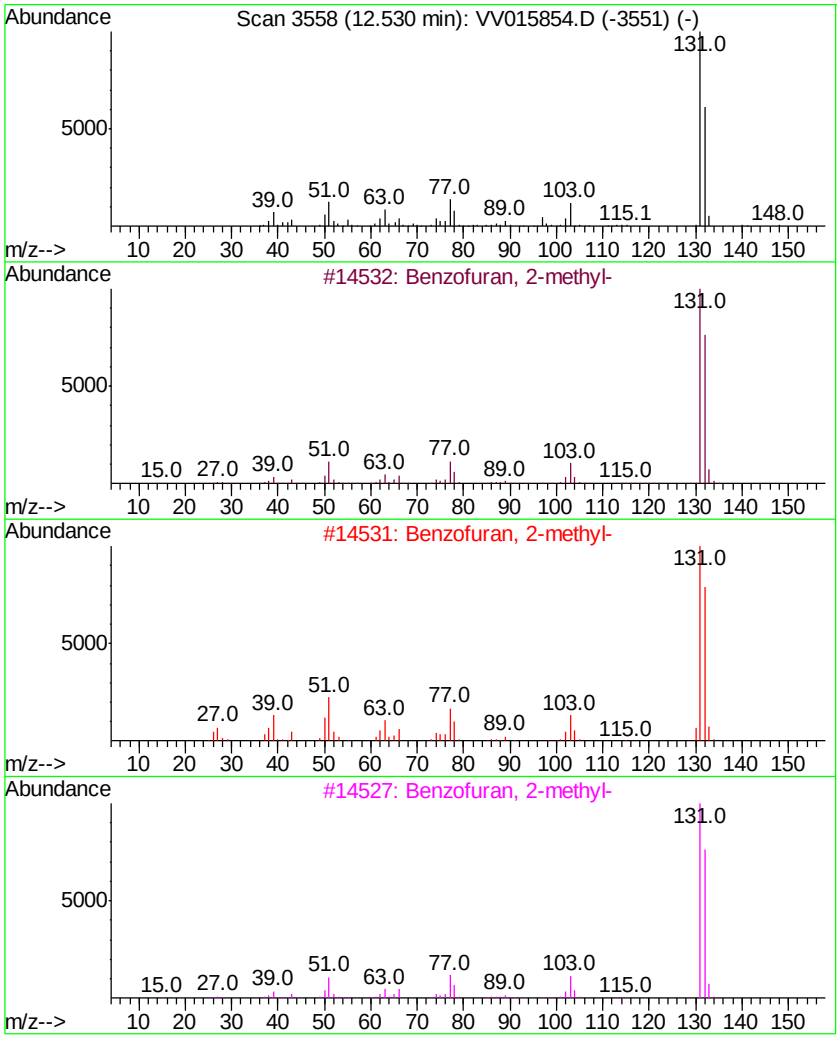
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0

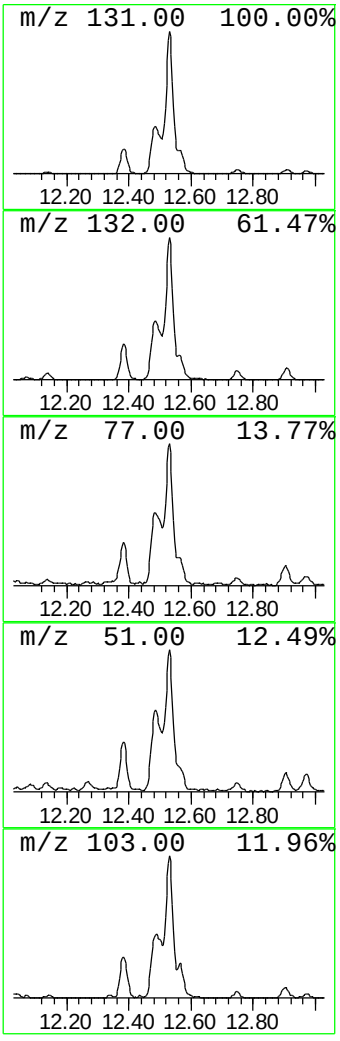
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 1H-Pyrrolo[2,3-b]pyridine, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.42 ug/L	298053	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	86
5	1H-Pyrrolo[2,3-b]pyridine, 2-met...	132	C8H8N2	023612-48-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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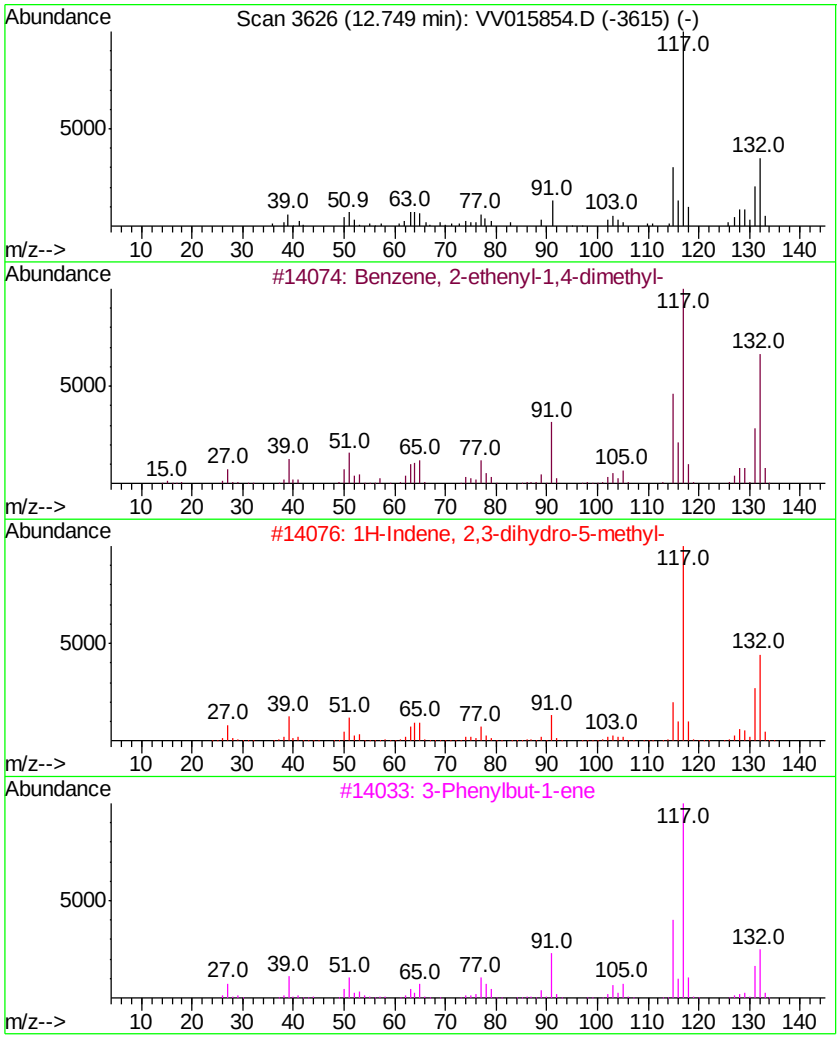
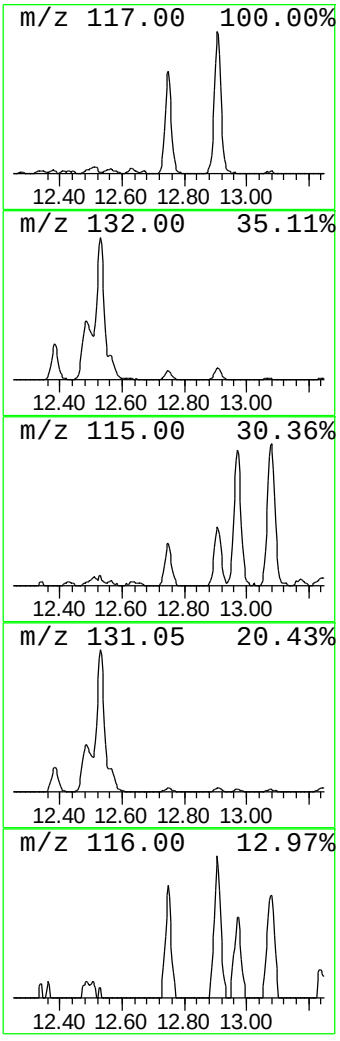
Peak Number 21 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	0.58 ug/L	50882	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	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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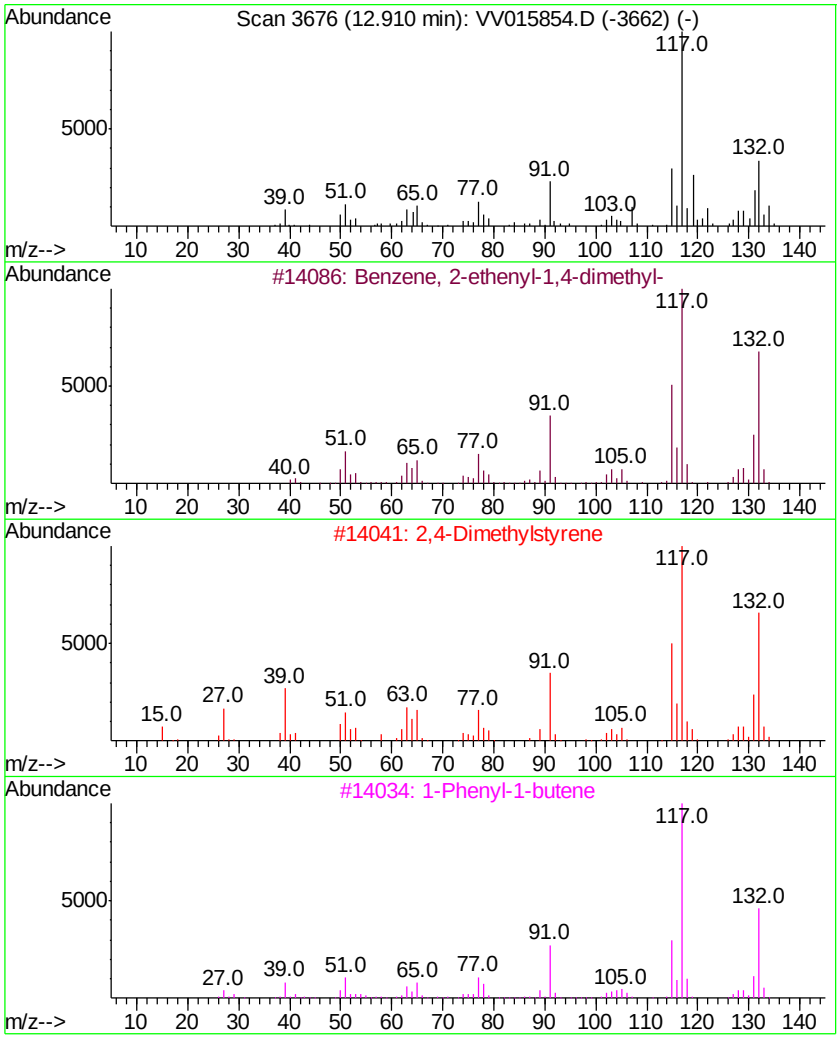
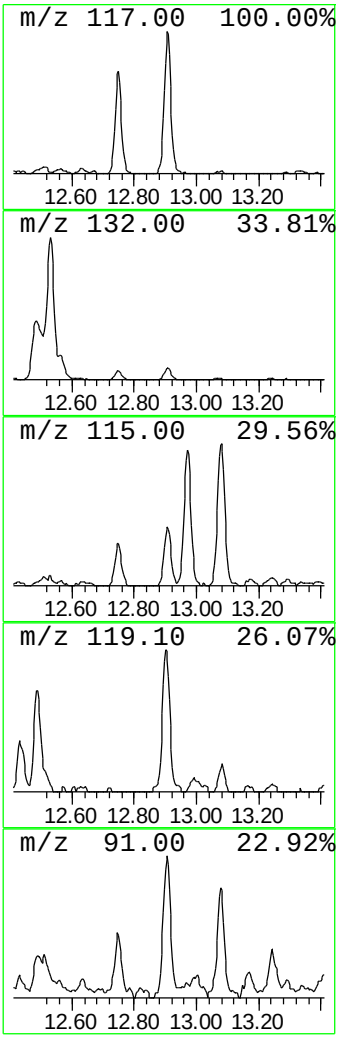
Peak Number 22 2,4-Dimethylstyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	1.33 ug/L	115407	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	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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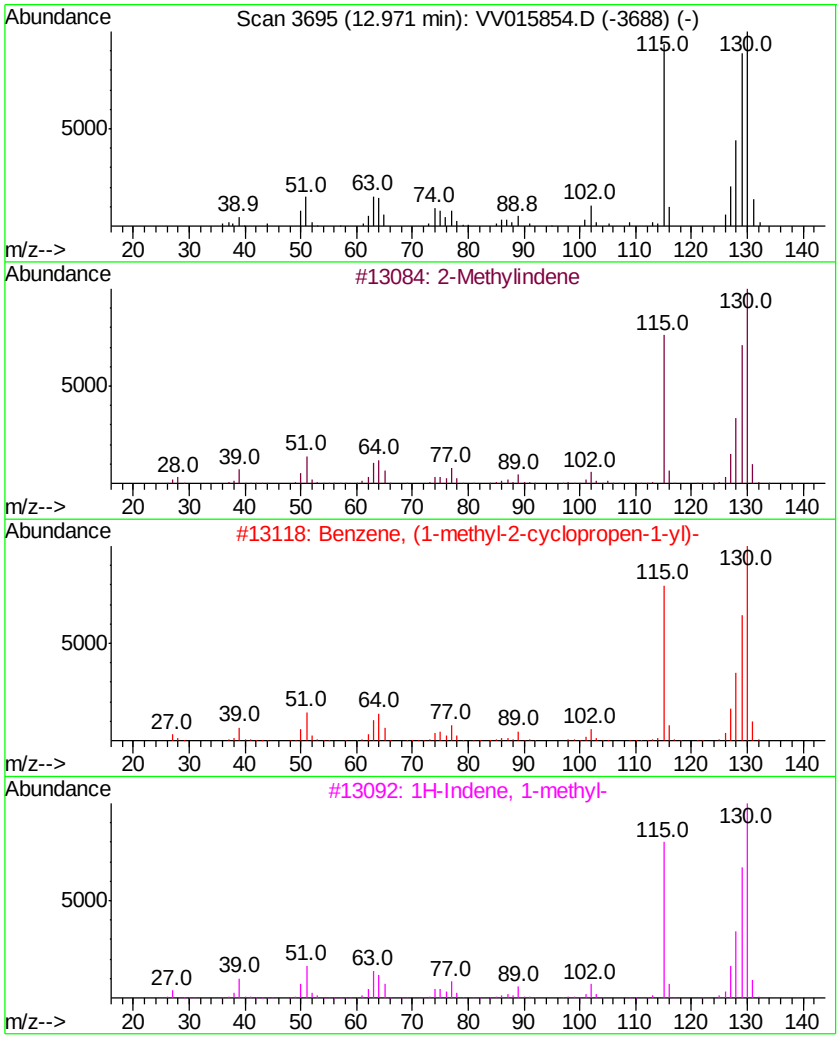
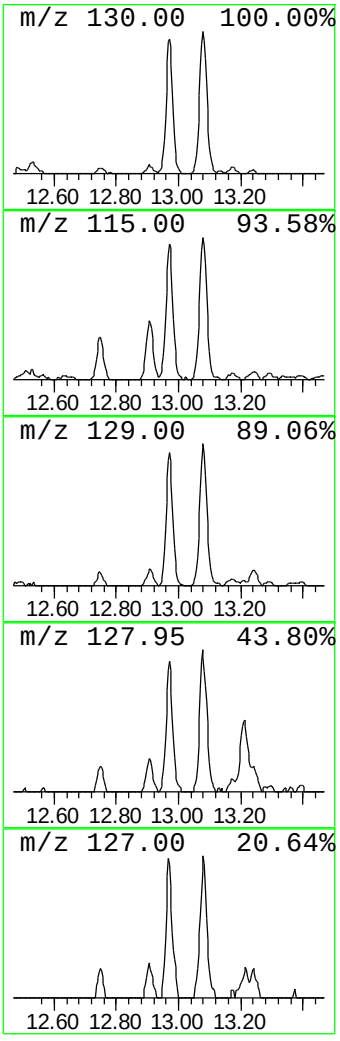
Peak Number 23 2-Methylindene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	0.86 ug/L	74632	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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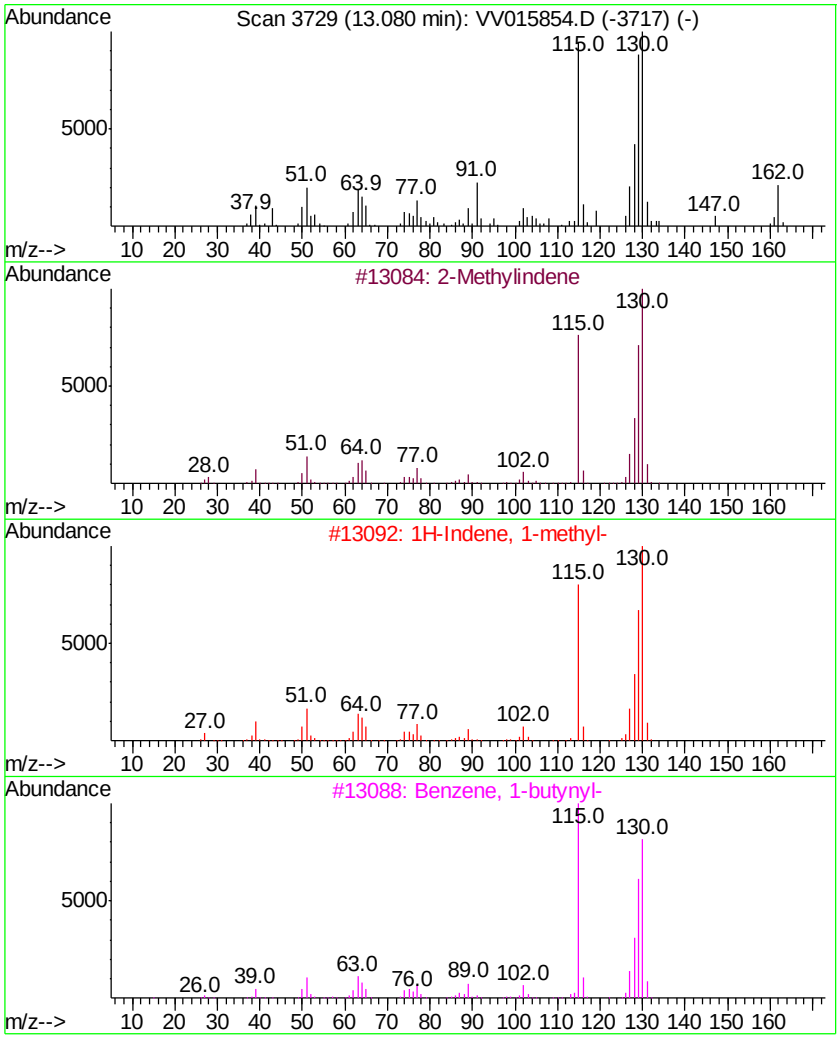
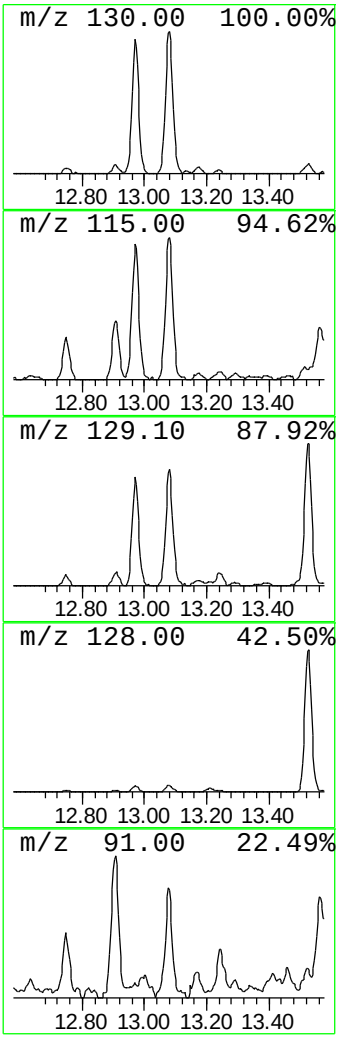
Peak Number 24 1H-Indene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	1.24 ug/L	107738	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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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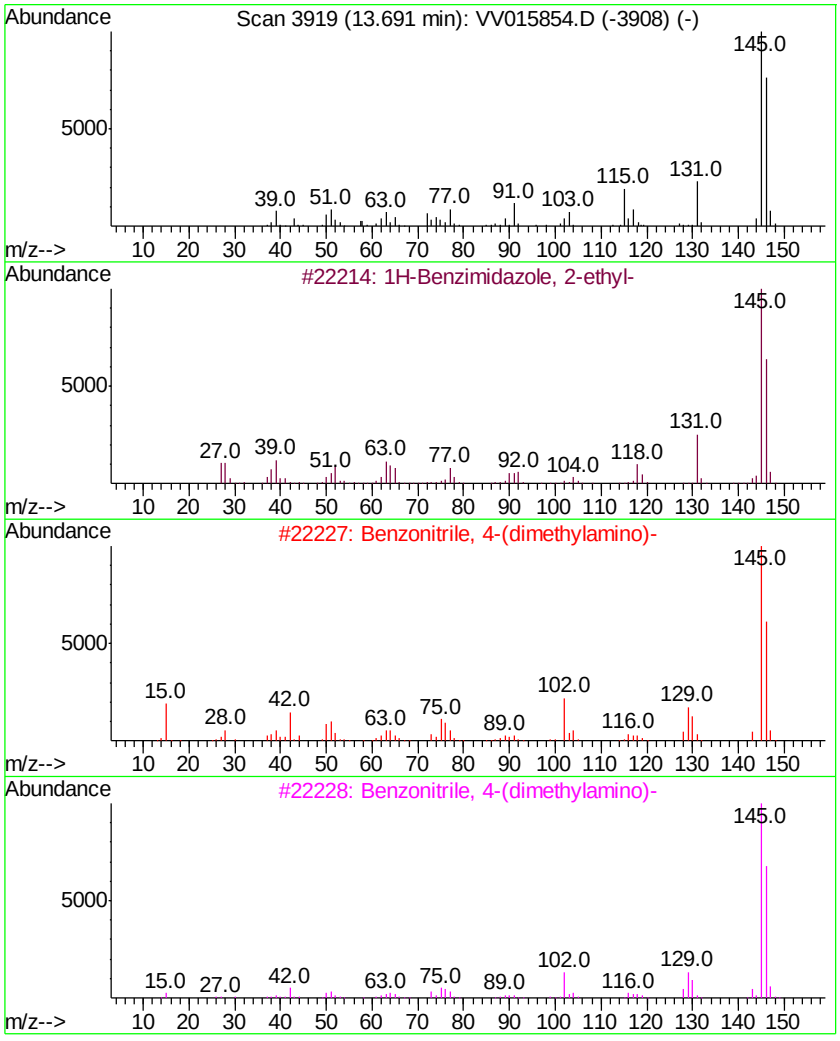
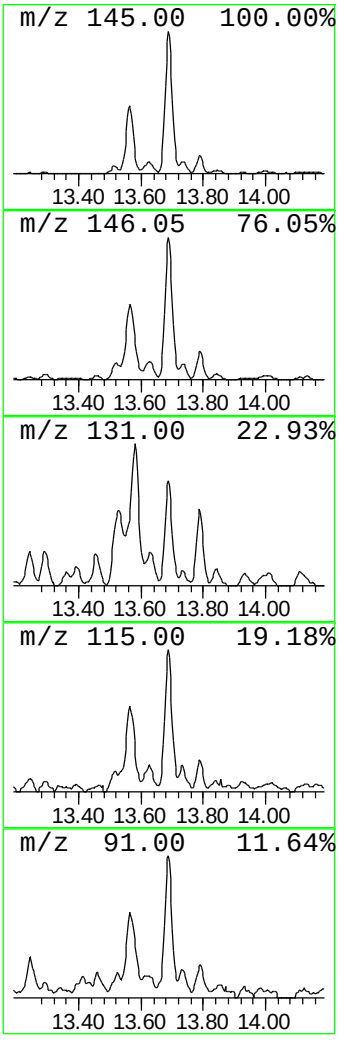
Peak Number 26 1H-Benzimidazole, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	1.88 ug/L	163307	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	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	59
3	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
4	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	53
5	Benzofuran, 4,7-dimethyl-	146	C10H10O	028715-26-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050120\
Data File : VV015854.D
Acq On : 01 May 2020 13:01
Operator : SY/MD
Sample : L2431-19 50X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETKS8

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
Furan, 2-methyl-	3.54	0.7	ug/L	42311	1	5.64	297777	5.0
Furan, 2-ethyl-5-...	7.86	0.8	ug/L	69702	2	8.87	420761	5.0
Cyclopentanone, 2...	9.70	0.5	ug/L	45062	2	8.87	420761	5.0
Cyclopentanone, 2...	9.88	0.9	ug/L	74087	2	8.87	420761	5.0
Benzene, 1-ethyl-...	10.47	0.9	ug/L	77757	3	11.27	435434	5.0
Cyclopentanone, 2...	10.54	1.2	ug/L	107325	3	11.27	435434	5.0
Benzene, 1-ethyl-...	10.76	0.8	ug/L	68377	3	11.27	435434	5.0
Benzene, 1,2,3-tr...	10.94	1.7	ug/L	146018	3	11.27	435434	5.0
(DEL) Alkane: Str...	11.01	1.0	ug/L	87052	3	11.27	435434	5.0
(DEL) Alkane: Cyc...	11.16	0.5	ug/L	45785	3	11.27	435434	5.0
Benzofuran	11.19	2.3	ug/L	199403	3	11.27	435434	5.0
Benzene, 1-etheny...	11.42	0.5	ug/L	45339	3	11.27	435434	5.0
Indane	11.55	1.6	ug/L	143129	3	11.27	435434	5.0
Indene	11.77	2.2	ug/L	193922	3	11.27	435434	5.0
unknown-01	12.27	0.5	ug/L	46957	3	11.27	435434	5.0
Benzofuran, 2-met...	12.38	1.4	ug/L	124356	3	11.27	435434	5.0
Cinnamaldehyde, (E)-	12.49	2.9	ug/L	248989	3	11.27	435434	5.0
1H-Pyrrolo[2,3-b]...	12.53	3.4	ug/L	298053	3	11.27	435434	5.0
1H-Indene, 2,3-di...	12.75	0.6	ug/L	50882	3	11.27	435434	5.0
2,4-Dimethylstyrene	12.91	1.3	ug/L	115407	3	11.27	435434	5.0
2-Methylindene	12.97	0.9	ug/L	74632	3	11.27	435434	5.0
1H-Indene, 1-methyl-	13.08	1.2	ug/L	107738	3	11.27	435434	5.0
1H-Benzimidazole,...	13.69	1.9	ug/L	163307	3	11.27	435434	5.0