LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

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\SOMVTR052620WMA.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	60	70	82	rBV2	108926	128682	1.03%	0.206%
2	1.592	144	156	180	rVB	826421	1070522	8.60%	1.717%
3	1.968	263	273	289	rBV	333655	495072	3.98%	0.794%
4	3.209	646	659	675	rBV2	116260	240576	1.93%	0.386%
5	3.322	676	694	729	rBV	683921	1632165	13.11%	2.617%
6	3.775	820	835	855	rVB2	83030	205424	1.65%	0.329%
7	3.936	866	885	943	rBV	693633	1759248	14.13%	2.821%
8	4.376	1005	1022	1065	rBV2	55010	190071	1.53%	0.305%
9	5.074	1221	1239	1240	rBV3	141600	215576	1.73%	0.346%
10	5.122	1241	1254	1275	rVB	2598890	5529303	44.42%	8.867%
11	5.640	1403	1415	1443	rVB	126182	258972	2.08%	0.415%
12	6.097	1542	1557	1565	rBV	74431	157951	1.27%	0.253%
13	6.148	1565	1573	1587	rVB2	99267	208476	1.67%	0.334%
14	7.338	1933	1943	1952	rBV	152810	253899	2.04%	0.407%
15	7.412	1952	1966	2002	rVB	7368154	12447706	100.00%	19.962%
16	7.994	2125	2147	2162	rVB2	104407	183828	1.48%	0.295%
17	8.122	2172	2187	2207	rBV	148629	301389	2.42%	0.483%
18	8.903	2410	2430	2458	rBV	4858317	8000173	64.27%	12.830%
19	9.032	2458	2470	2480	rVV	1590049	2452796	19.70%	3.934%
20	9.084	2480	2486	2496	rVV	179617	269388	2.16%	0.432%
21	9.158	2496	2509	2526	rVV	7075646	11242986	90.32%	18.030%
22	9.563	2624	2635	2659	rVB	1561370	2505515	20.13%	4.018%
23	9.952	2744	2756	2769	rBV	620965	955920	7.68%	1.533%
24	10.289	2853	2861	2873	rVB	306295	453855	3.65%	0.728%
25	10.373	2873	2887	2901	rBV	645236	1013425	8.14%	1.625%
26	10.469	2904	2917	2933	rVV2	127124	283382	2.28%	0.454%
27	10.559	2935	2945	2960	rVB	155907	239694	1.93%	0.384%
28	10.759	2996	3007	3029	rVB	544566	830558	6.67%	1.332%
29	10.936	3052	3062	3083	rVB	753938	1181597	9.49%	1.895%
30	11.109	3110	3116	3126	rVB	116317	172353	1.38%	0.276%
31	11.270	3157	3166	3170	rBV2	240603	373364	3.00%	0.599%
32	11.366	3184	3196	3221	rVB3	444619	940081	7.55%	1.508%
33	11.553	3244	3254	3274	rBV3	602363	1365860	10.97%	2.190%
34	11.653	3274	3285	3309	rVB6	403854	969098	7.79%	1.554%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

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\SOMVTR052620WMA.M
Title : TRACE VOA SOM01.0

35	11.842	3333	3344	3361	rVB	96670	153903	1.24%	0.247%
36	11.932	3361	3372	3378	rBV	165290	259366	2.08%	0.416%
37	12.038	3392	3405	3424	rBV	616063	983737	7.90%	1.578%
38	12.276	3467	3479	3488	rBV3	101729	205734	1.65%	0.330%
39	12.434	3509	3528	3537	rBV	418974	706519	5.68%	1.133%
40	12.485	3537	3544	3556	rVB	307022	457964	3.68%	0.734%
41	12.746	3615	3625	3640	rVB	152371	258896	2.08%	0.415%
42	12.903	3655	3674	3683	rBV3	205310	388337	3.12%	0.623%
43	13.292	3785	3795	3801	rBV2	85333	138511	1.11%	0.222%
44	13.421	3820	3835	3840	rBV4	52000	133429	1.07%	0.214%
45	16.337	4730	4742	4753	rBV	92872	140990	1.13%	0.226%

Sum of corrected areas: 62356291

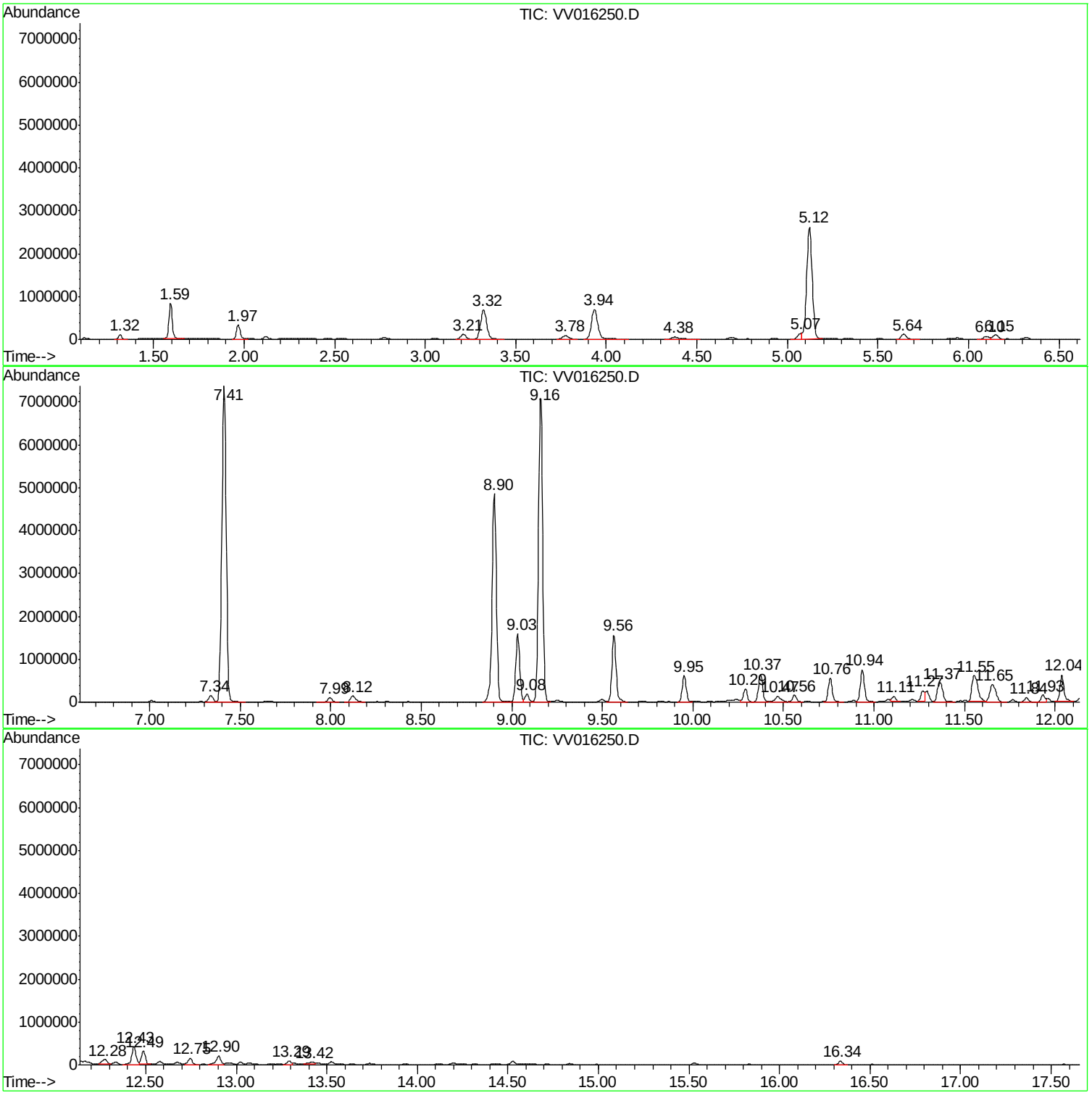
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.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\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

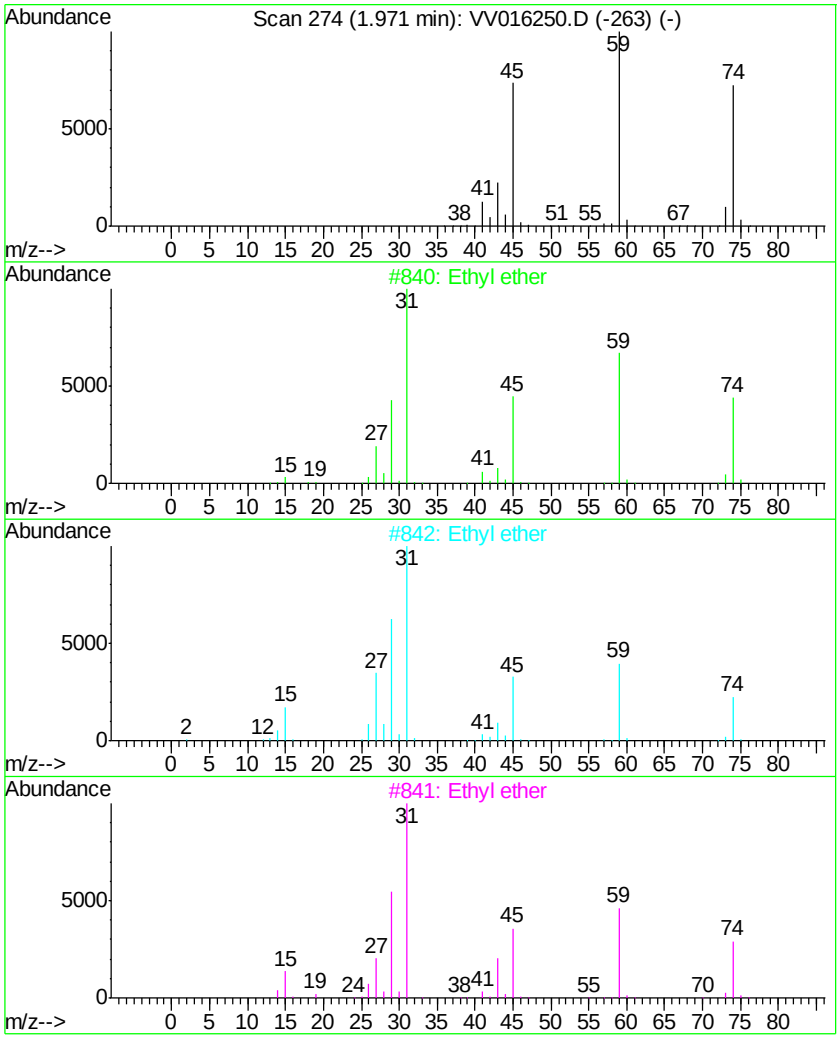
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

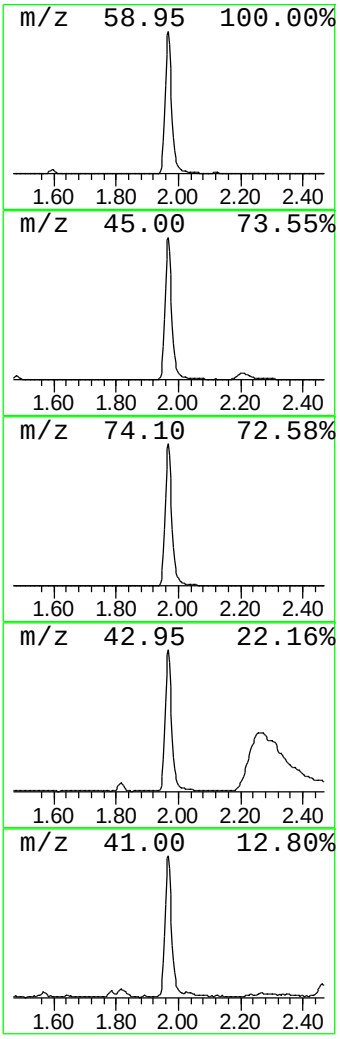
****

Peak Number 1 Ethyl ether Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.97	9.56 ug/L	495072	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethyl ether	74	C4H10O	000060-29-7	90
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

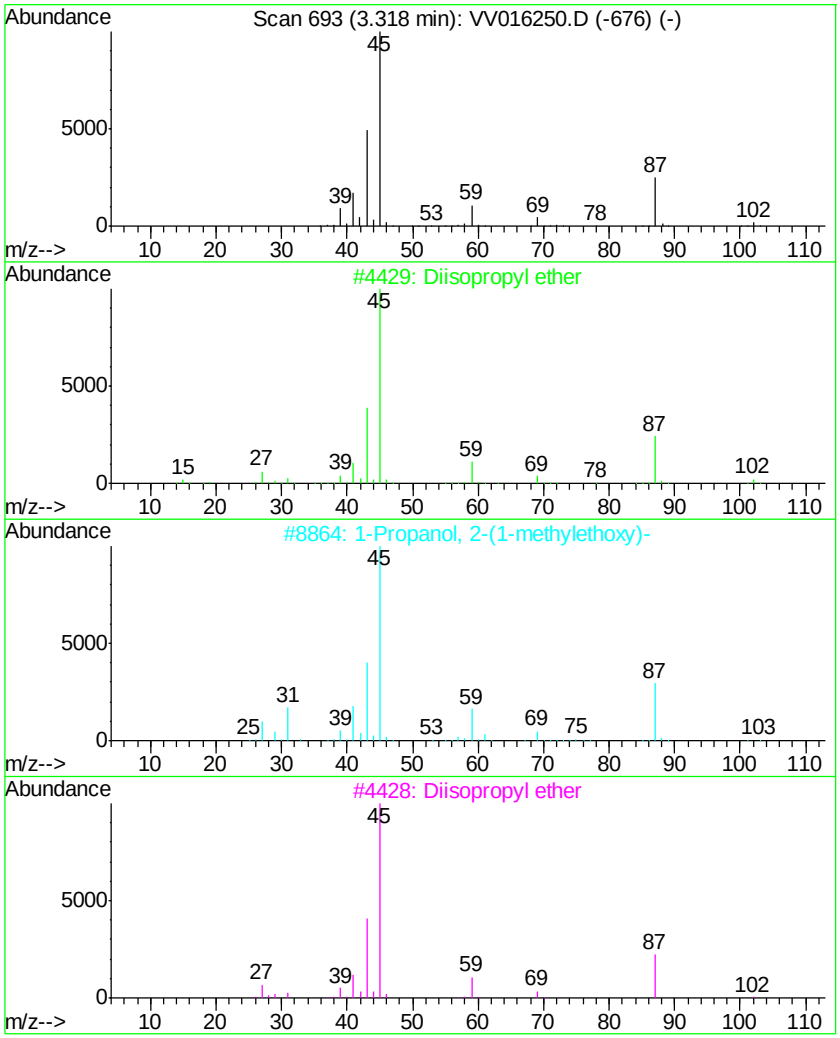
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

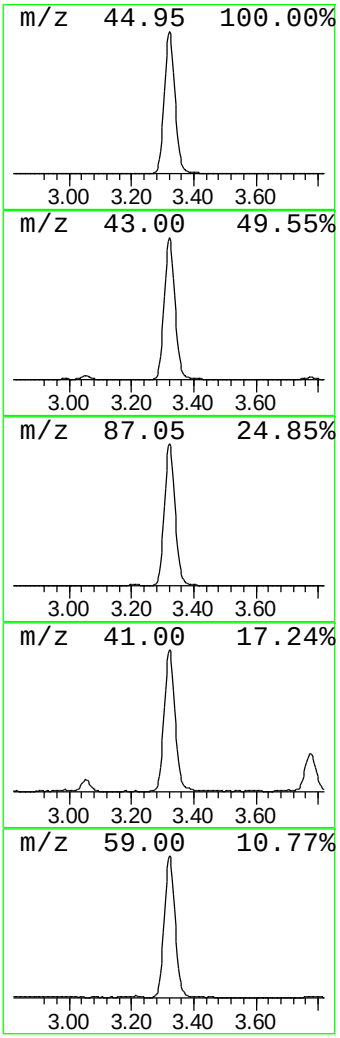
****

Peak Number 2 Diisopropyl ether Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.32	31.51 ug/L	1632170	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Diisopropyl ether	102	C6H14O	000108-20-3	83
5	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

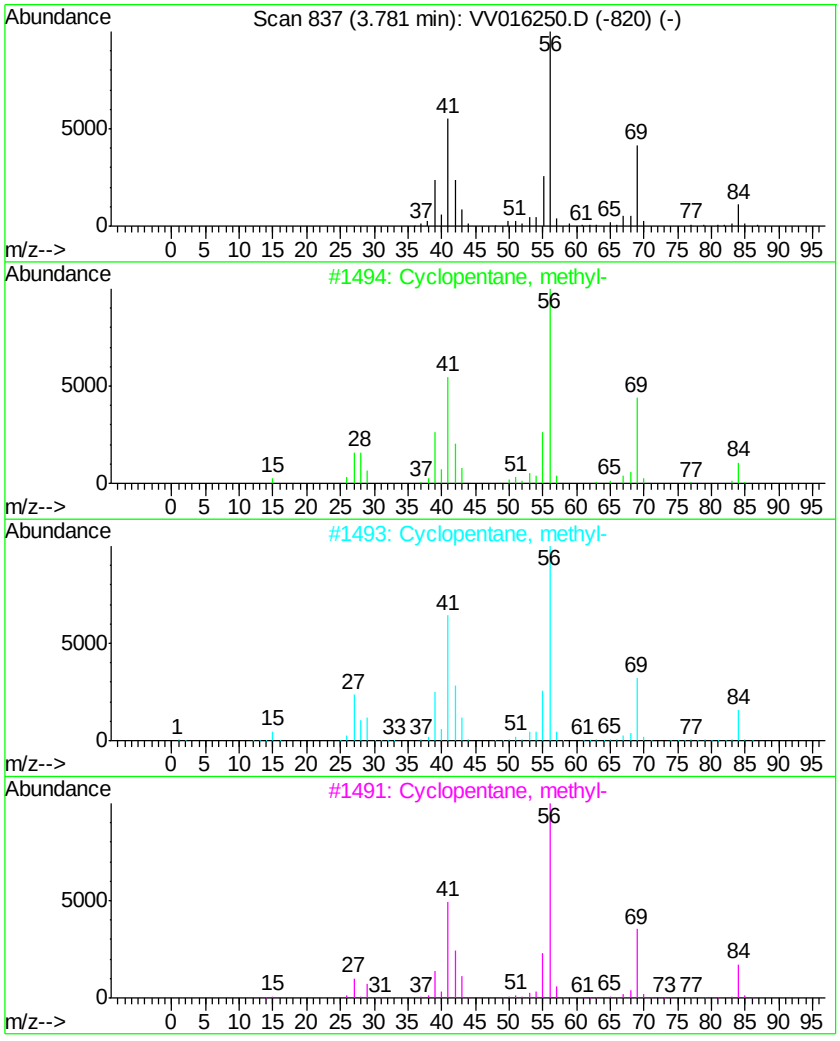
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

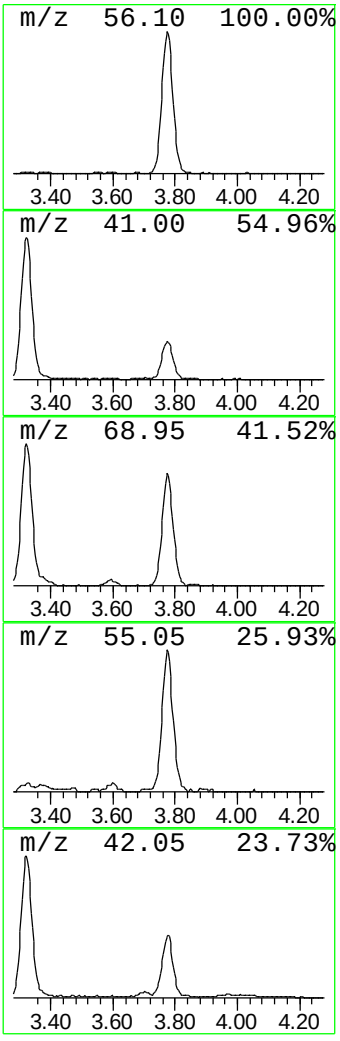
****

Peak Number 3 (DEL) Alkane: Cyclic3.78 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	3.97 ug/L	205424	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

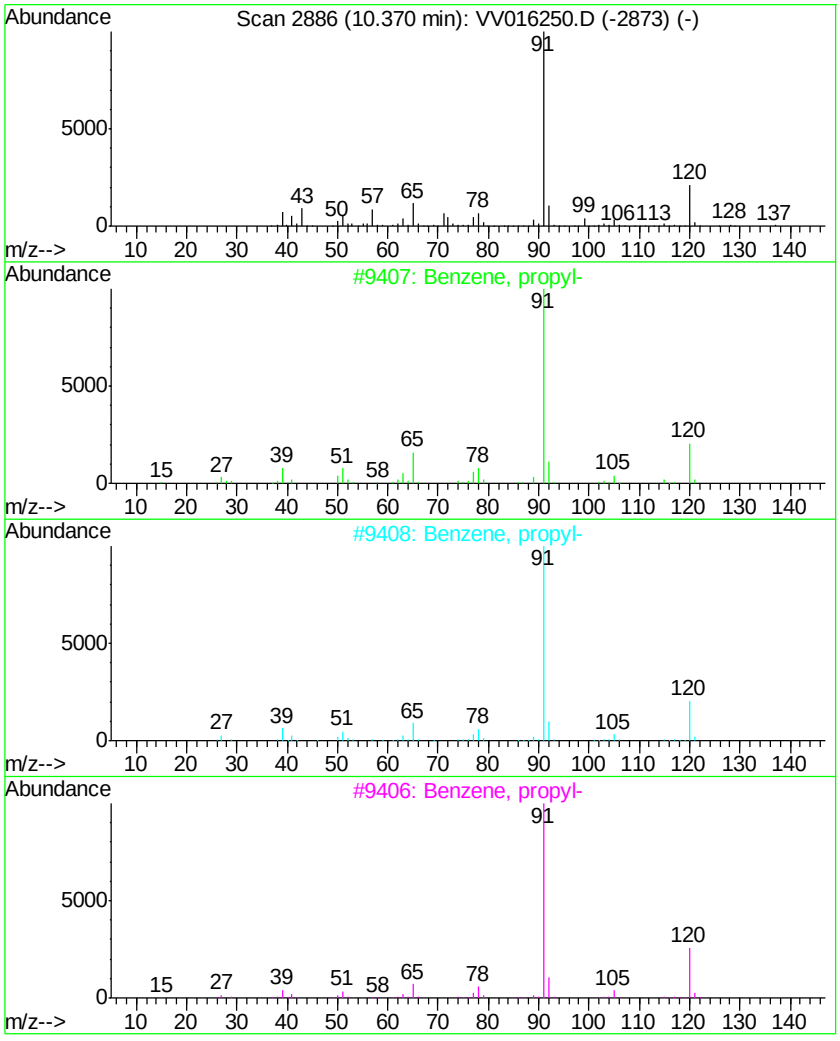
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

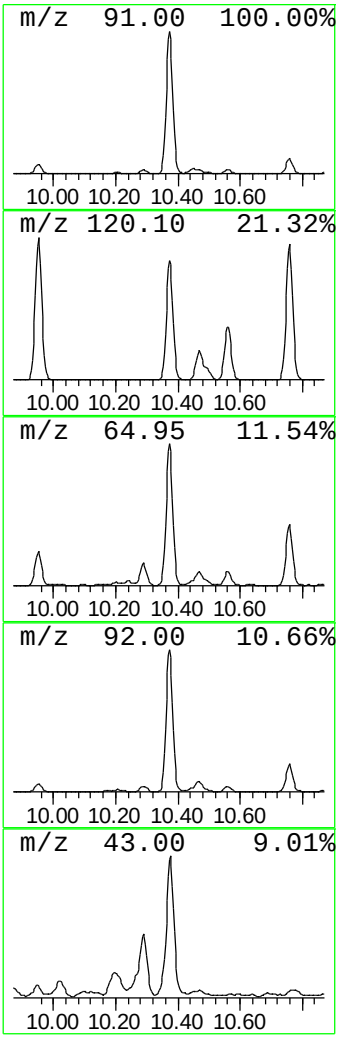
****

Peak Number 4 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	13.57 ug/L	1013430	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	76
3	Benzene, propyl-	120	C9H12	000103-65-1	68
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	59
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

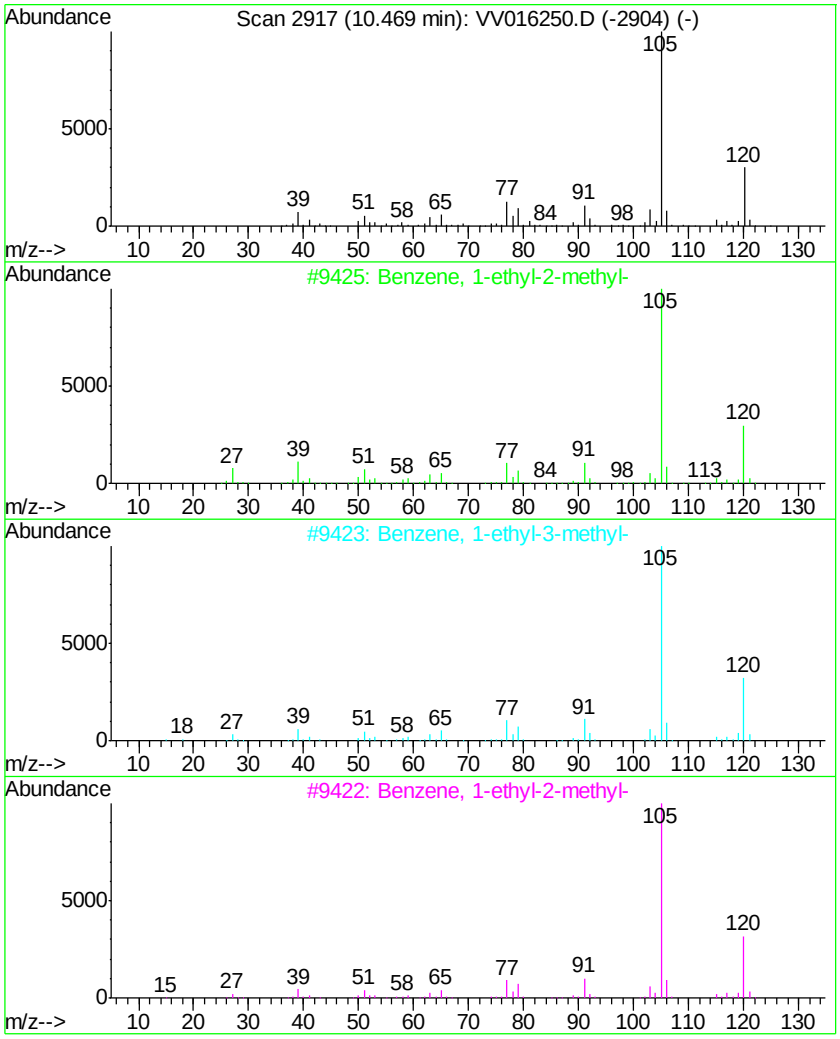
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

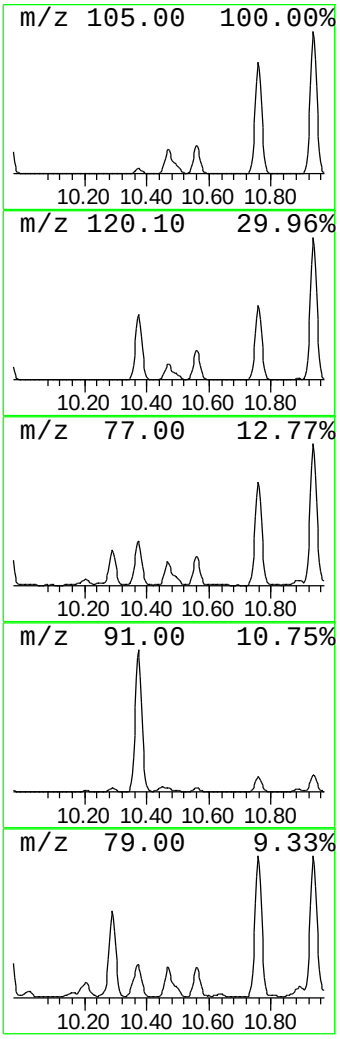
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	3.79 ug/L	283382	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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

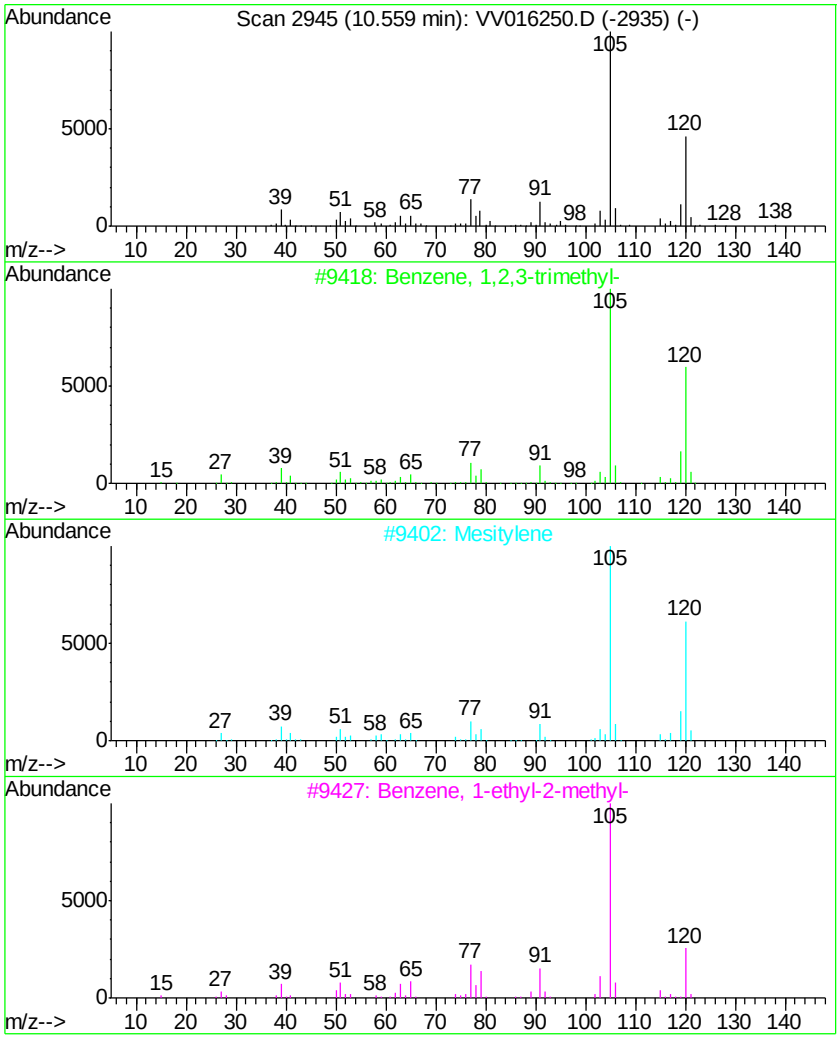
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

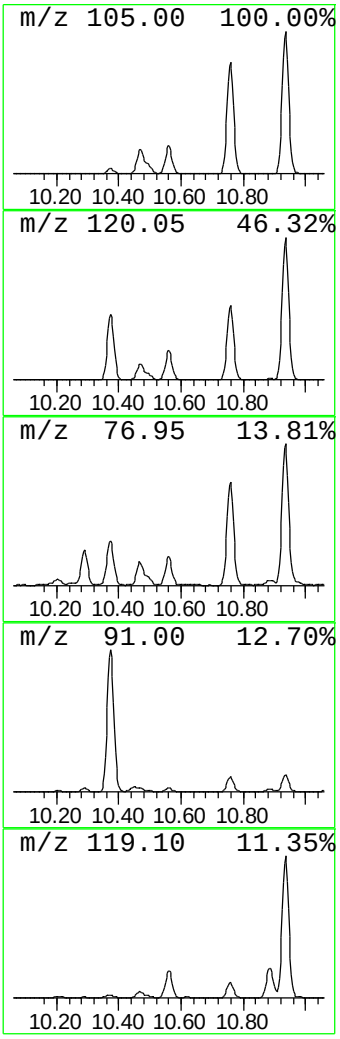
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	3.21 ug/L	239694	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	97
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

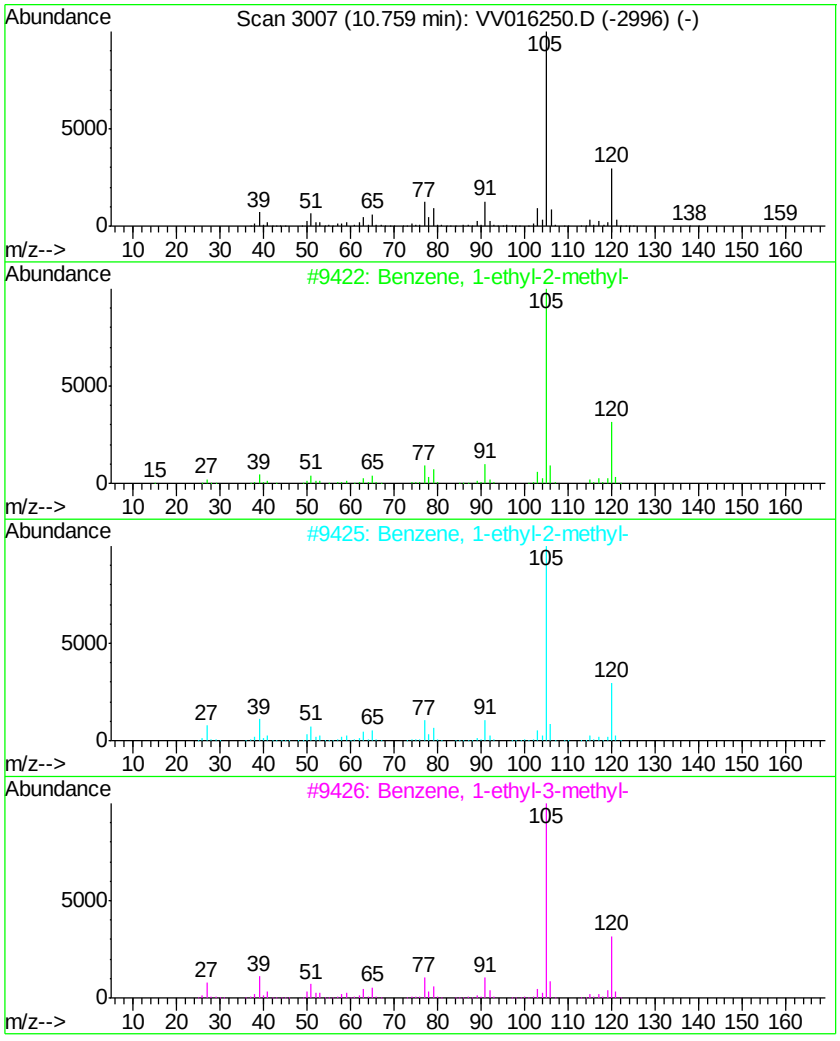
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

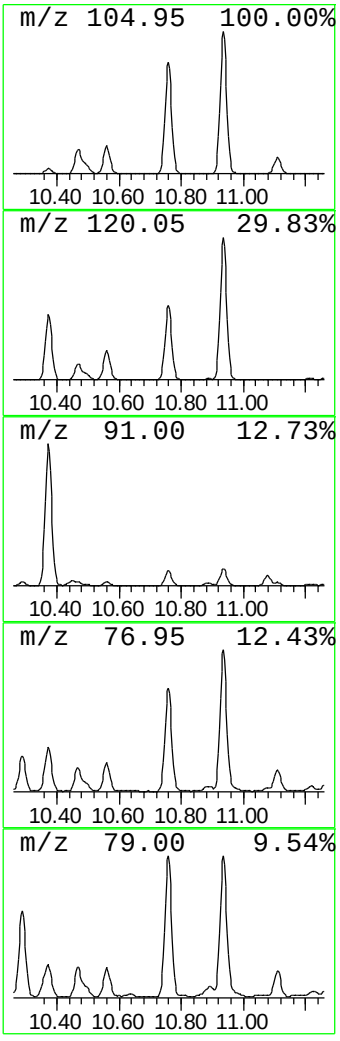
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	11.12 ug/L	830558	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-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

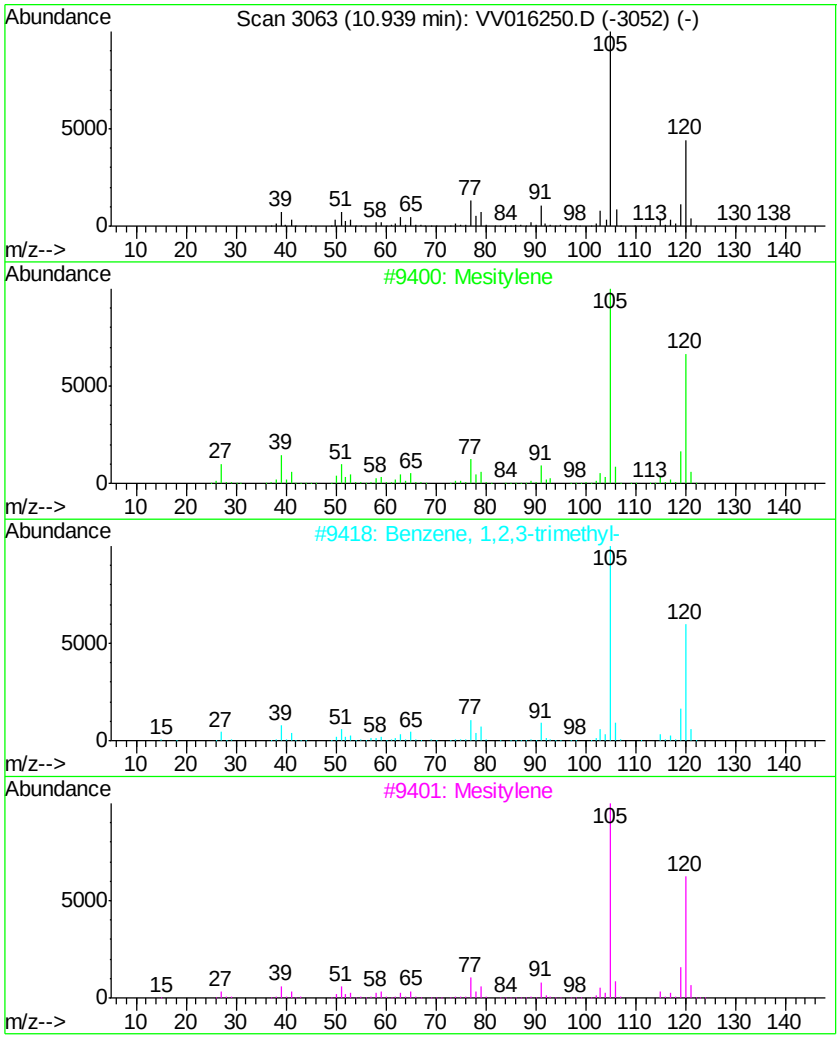
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

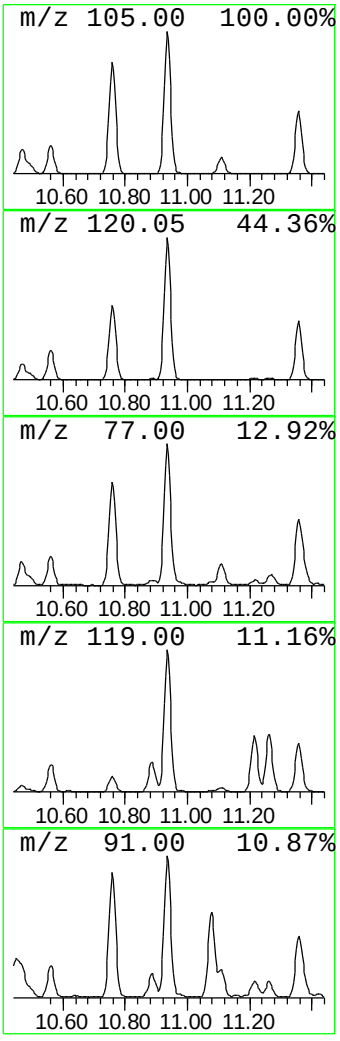
****

Peak Number 8 Mesitylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	15.82 ug/L	1181600	1,4-Dichlorobenzene-d4	11.27

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

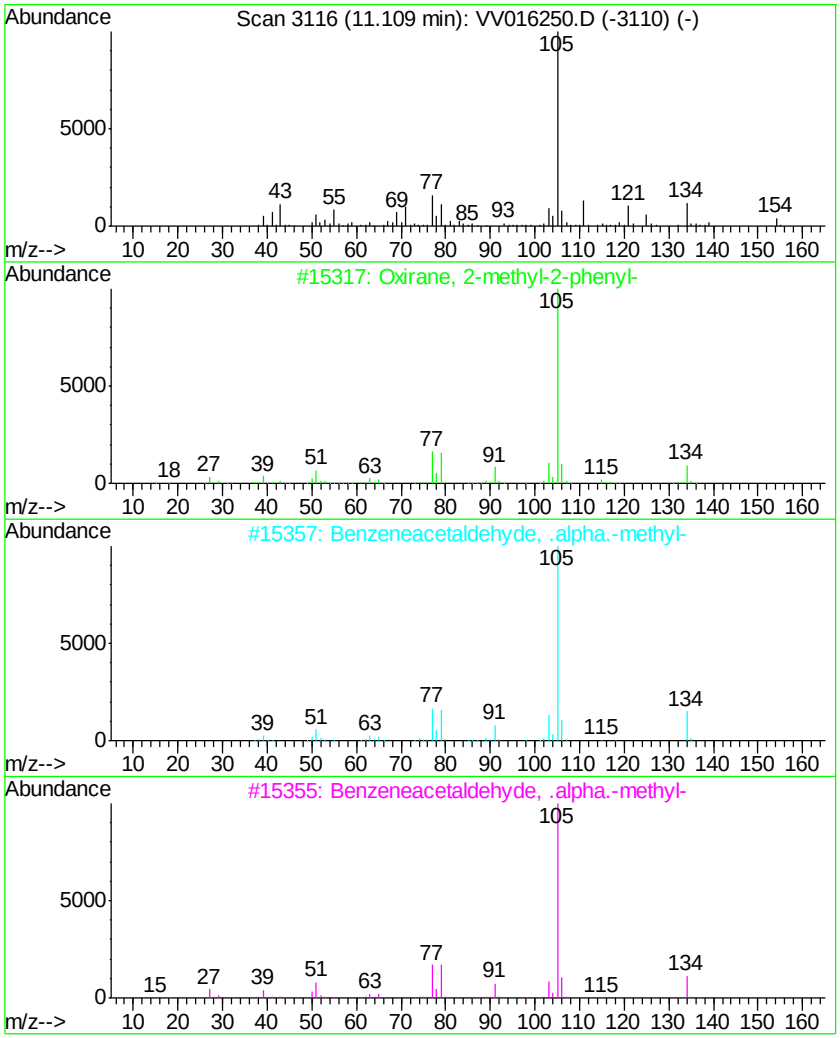
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

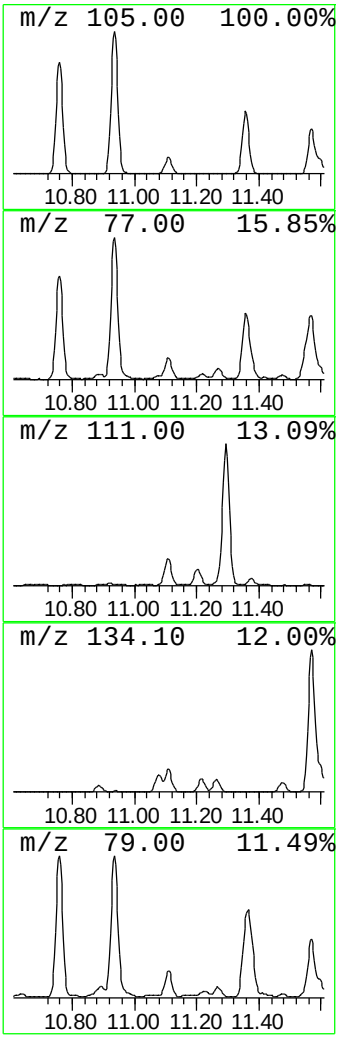
****

Peak Number 9 Oxirane, 2-methyl-2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	2.31 ug/L	172353	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	64
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	60
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	53
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	49
5	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

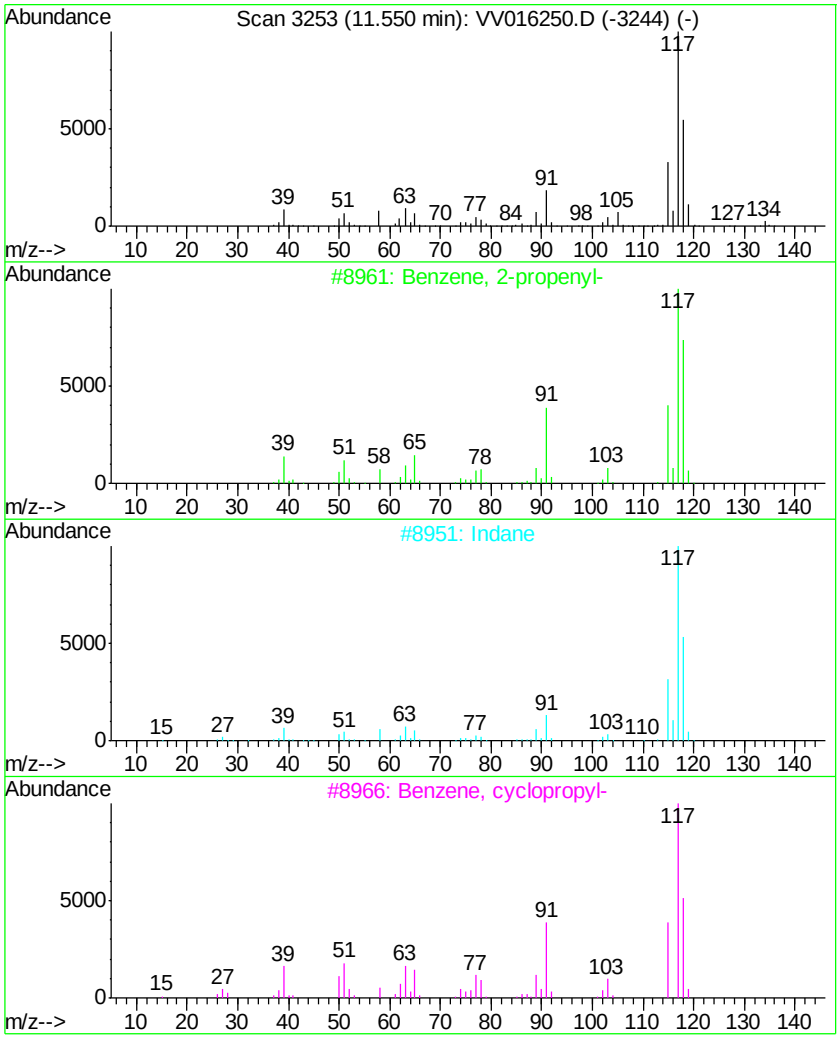
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

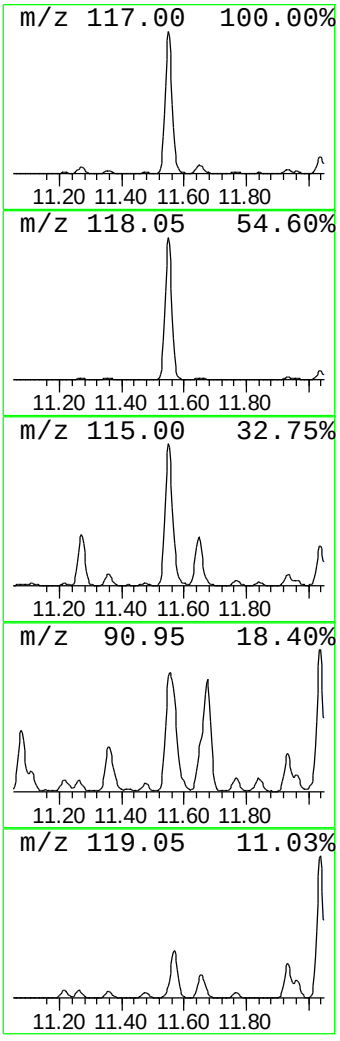
****

Peak Number 11 Benzene, 2-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	18.29 ug/L	1365860	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Indane	118	C9H10	000496-11-7	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70





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Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

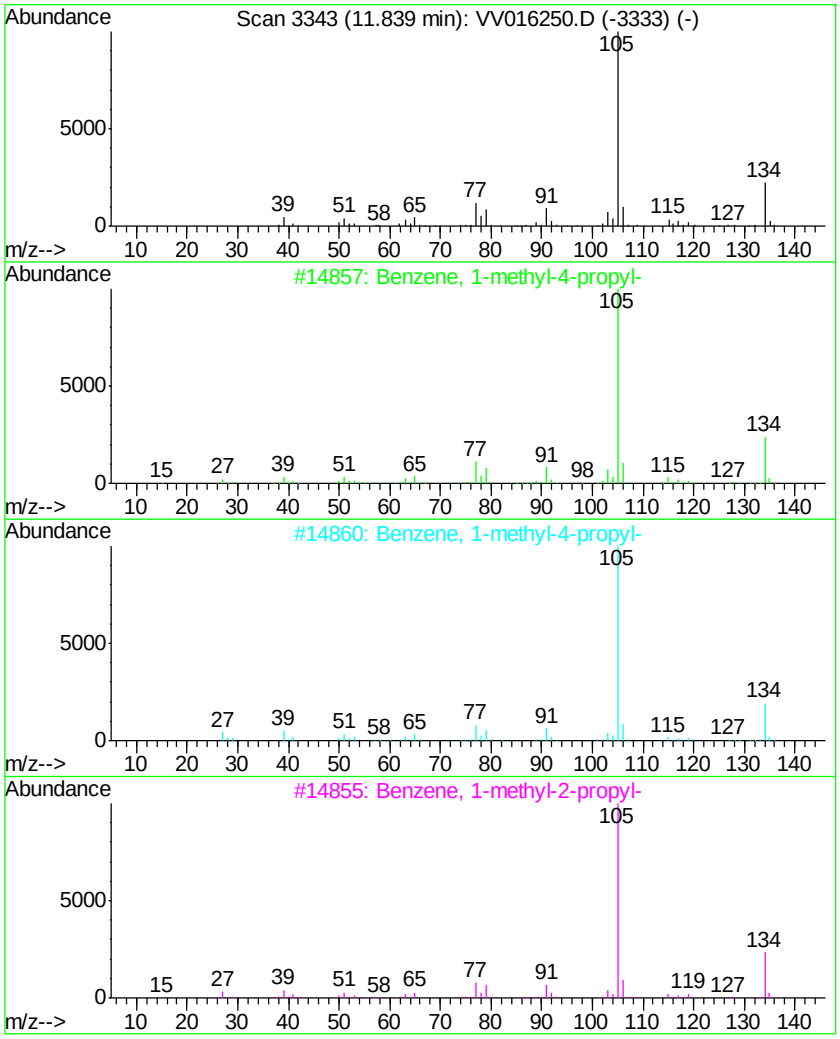
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

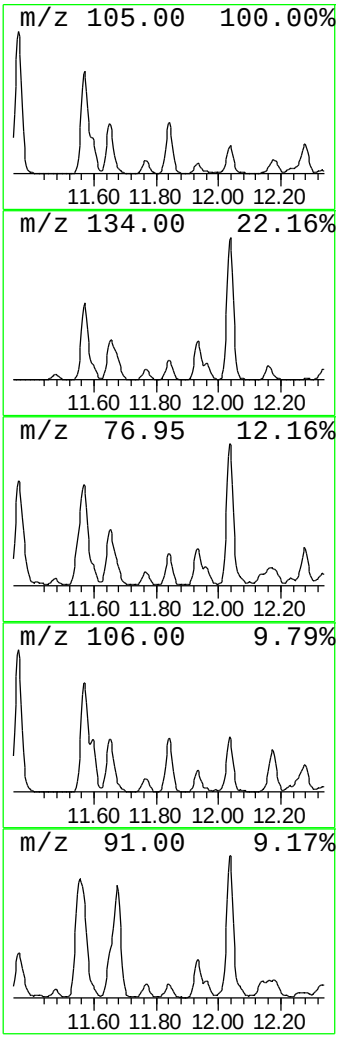
****

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.06 ug/L	153903	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

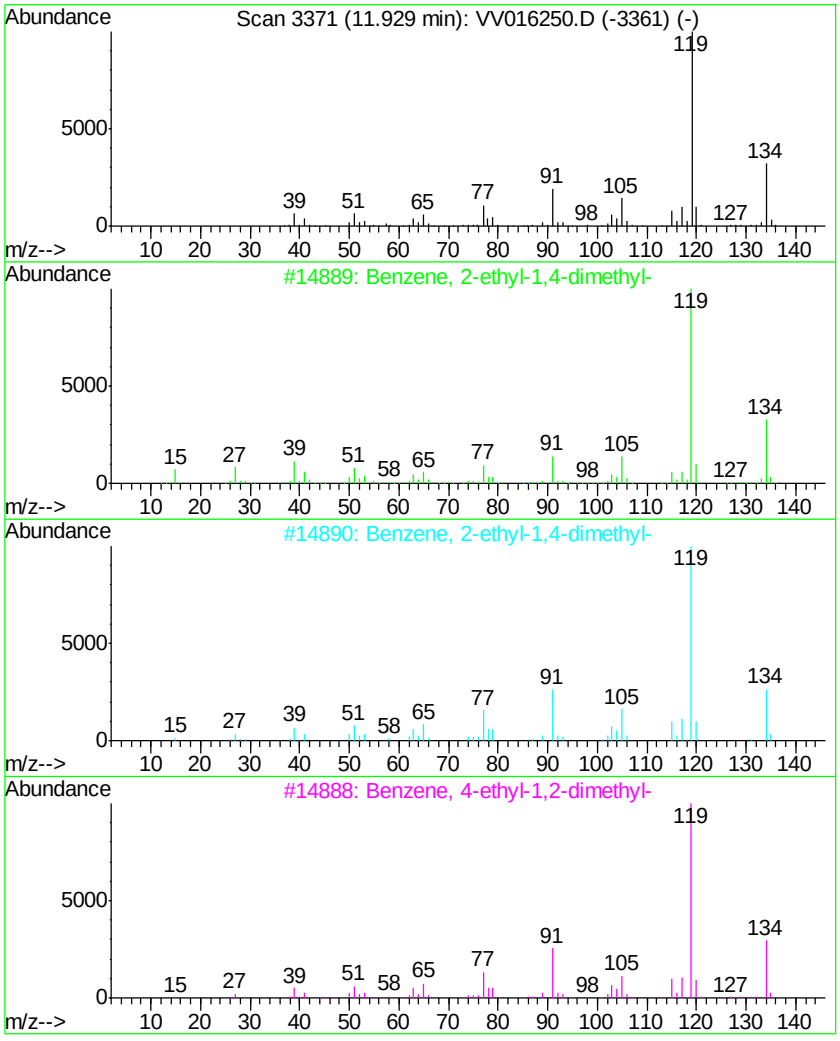
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

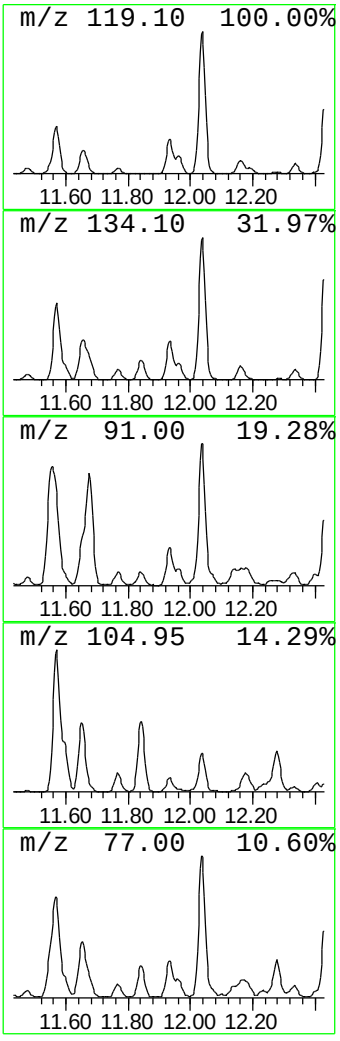
****

Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.47 ug/L	259366	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

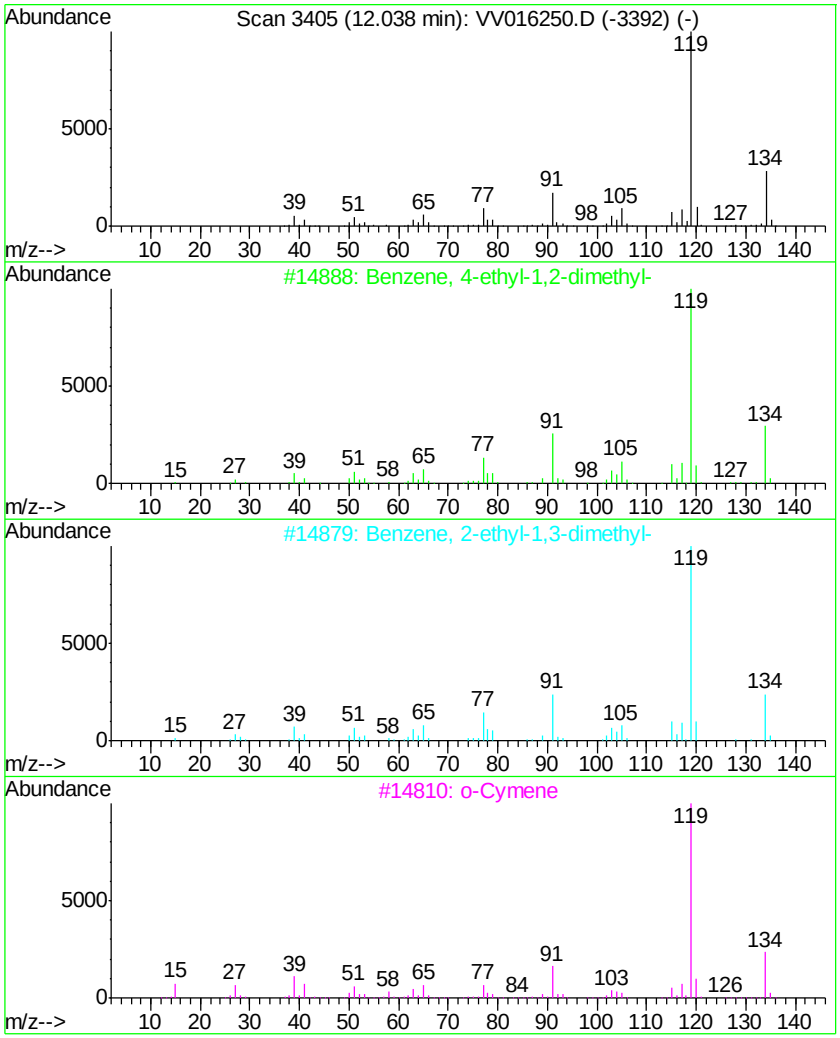
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

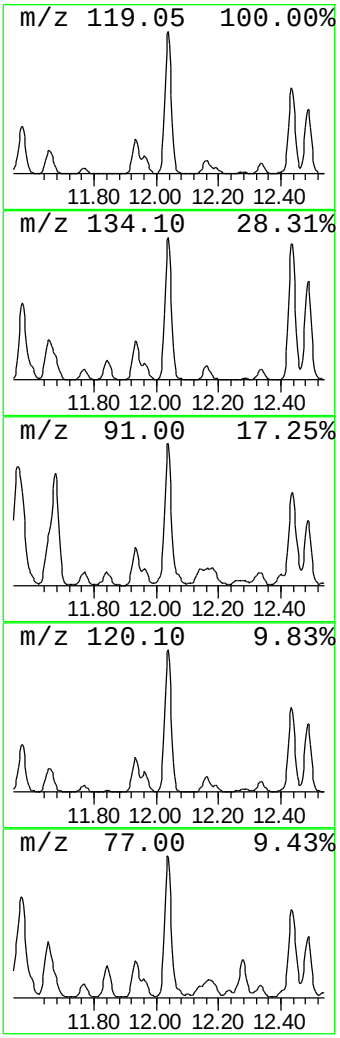
****

Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	13.17 ug/L	983737	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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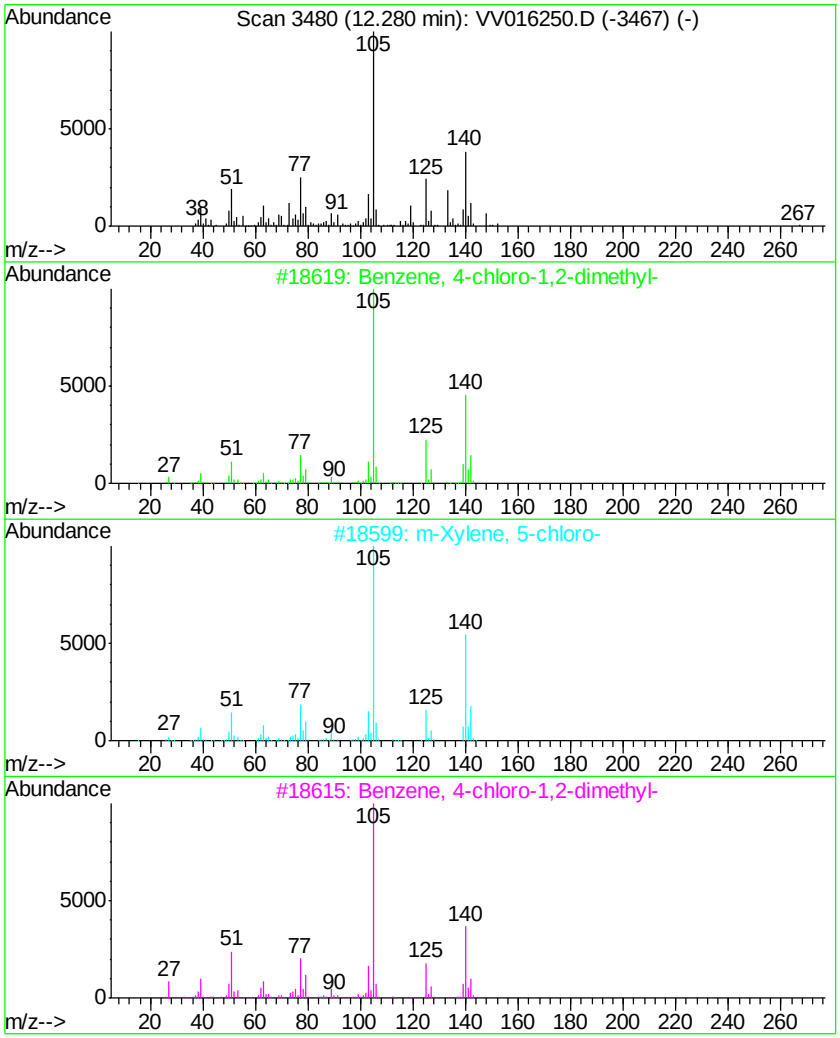
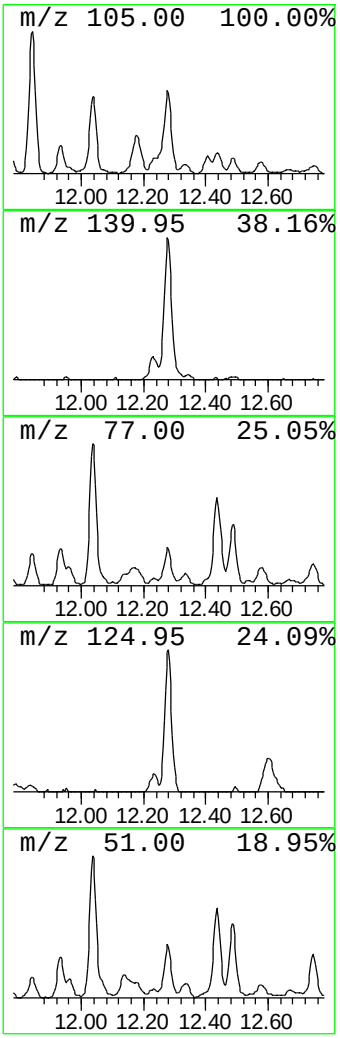
Peak Number 15 Benzene, 4-chloro-1,2-dimet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	2.76 ug/L	205734	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	94
2	m-Xylene, 5-chloro-	140	C8H9Cl	000556-97-8	94
3	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	92
4	Benzene, 4-chloro-1,2-dimethyl-	140	C8H9Cl	000615-60-1	91
5	Benzene, 1-chloro-2,3-dimethyl-	140	C8H9Cl	000608-23-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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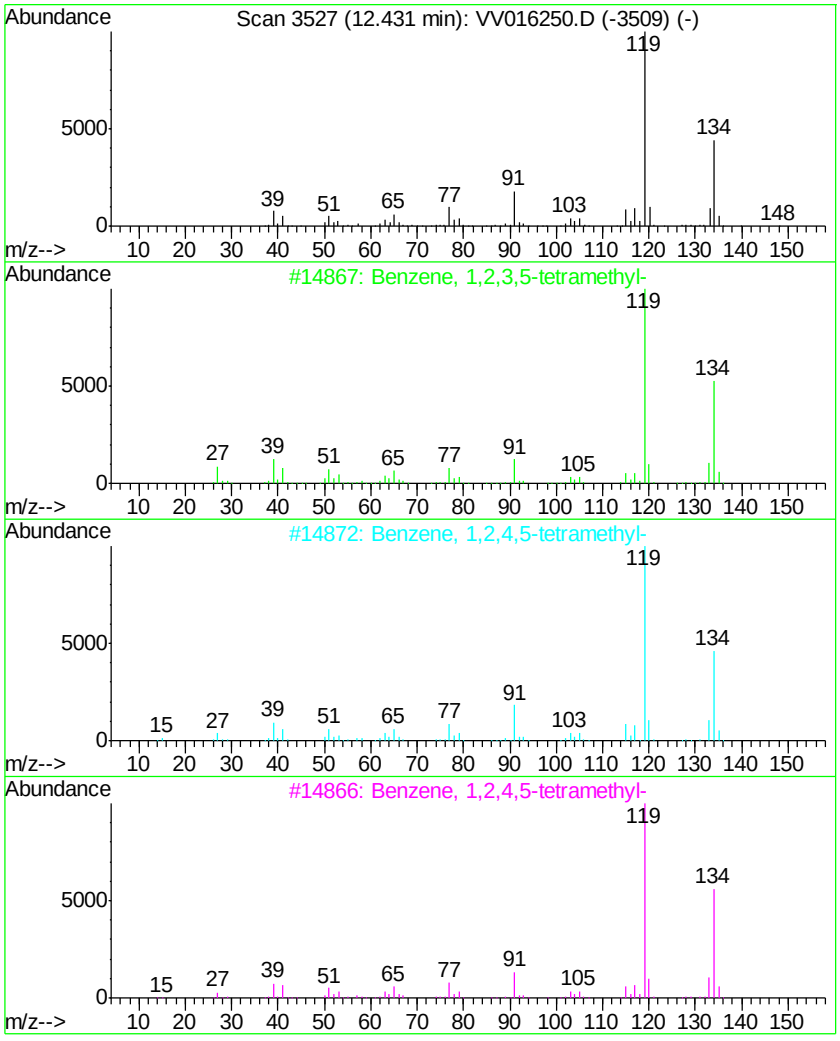
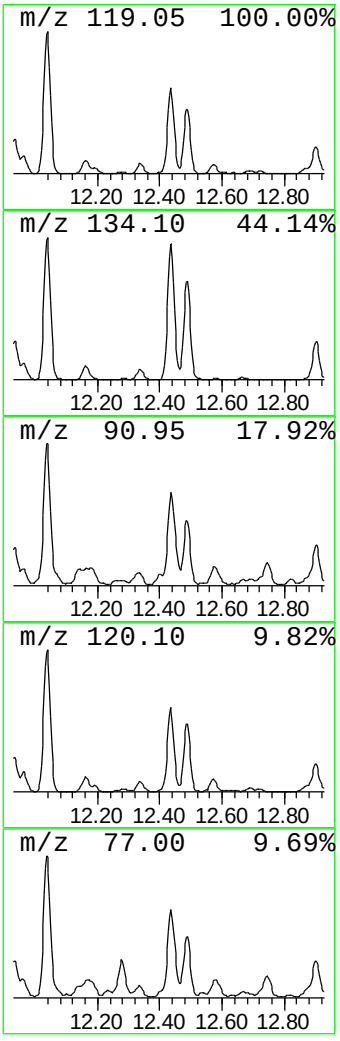
Peak Number 16 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	9.46 ug/L	706519	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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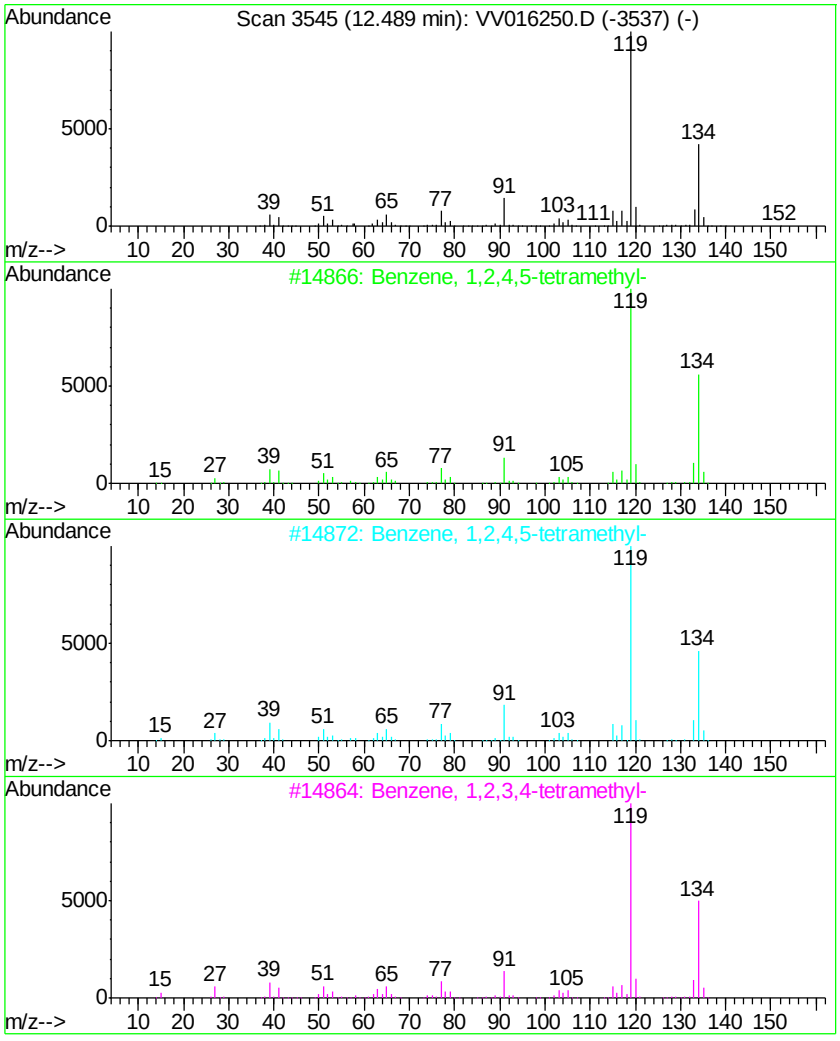
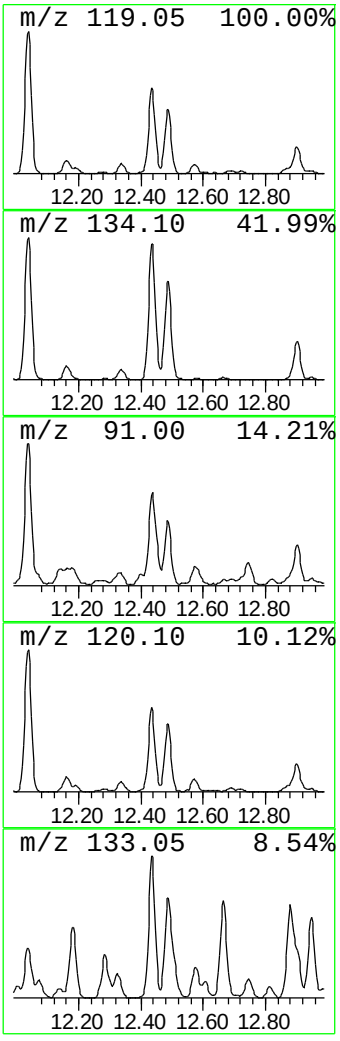
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	6.13 ug/L	457964	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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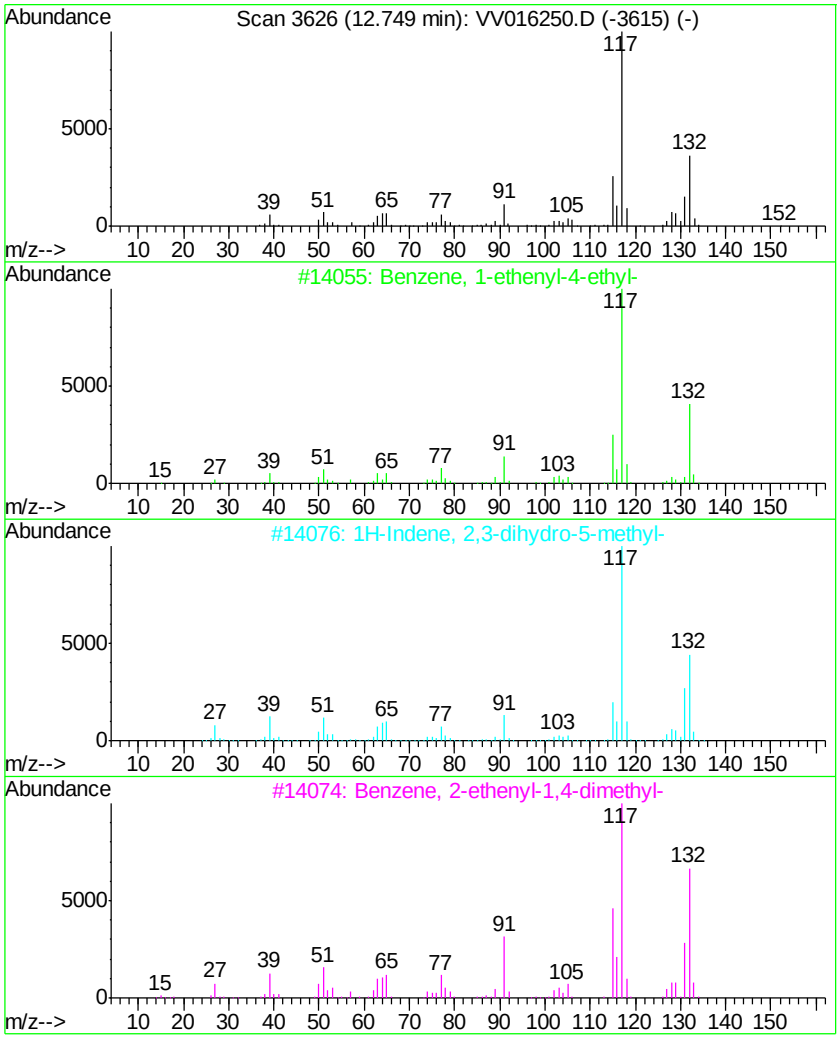
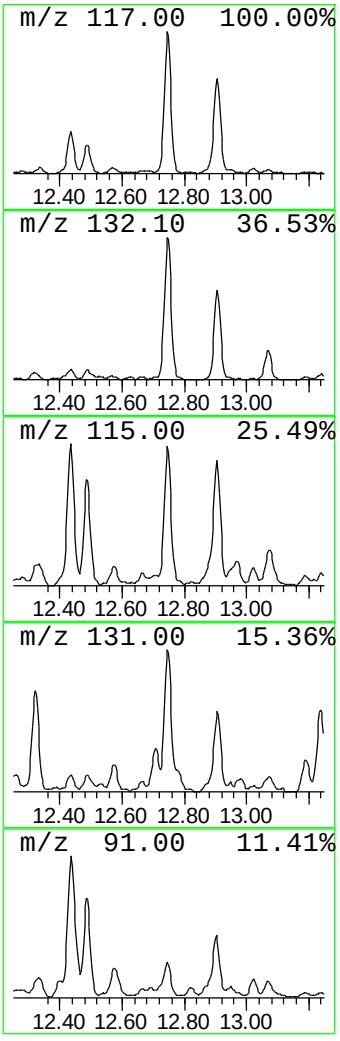
Peak Number 18 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	3.47 ug/L	258896	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90





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Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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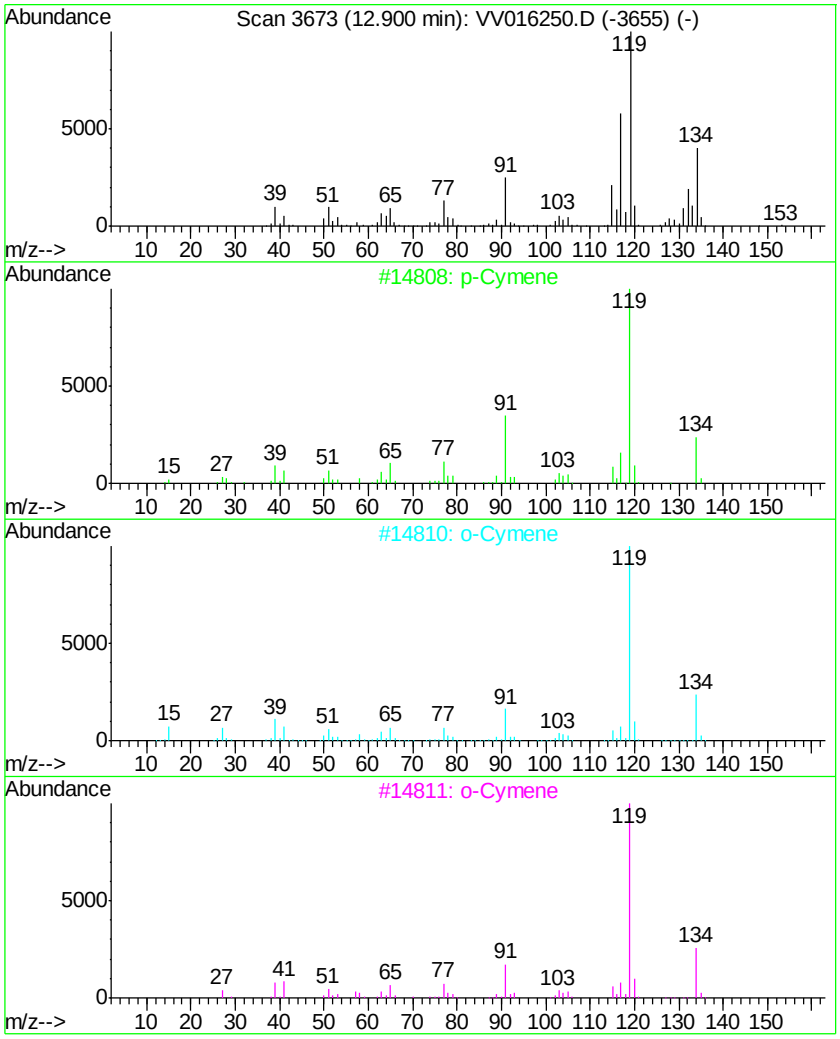
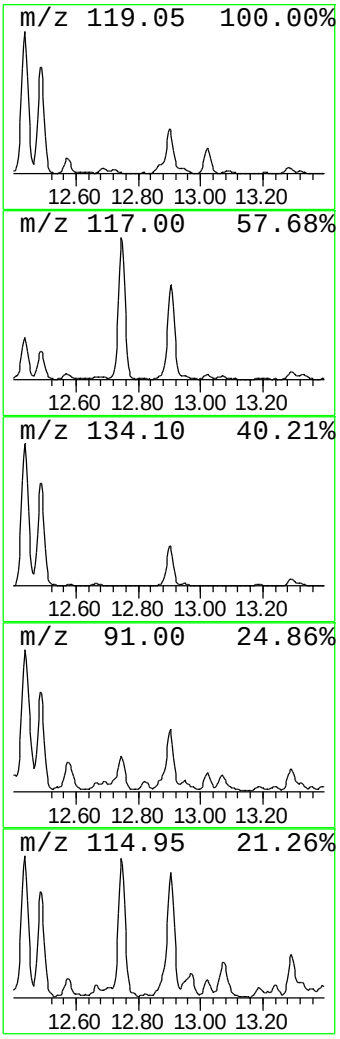
Peak Number 19 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	5.20 ug/L	388337	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	60
2	o-Cymene	134	C10H14	000527-84-4	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

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

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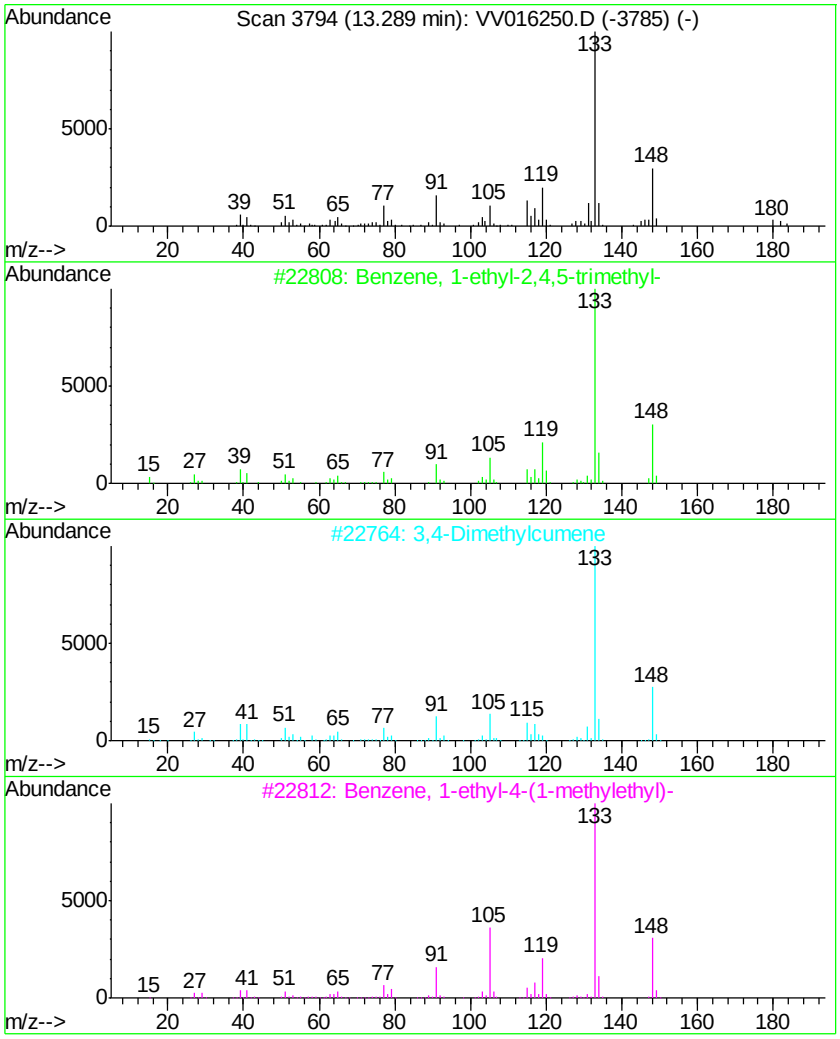
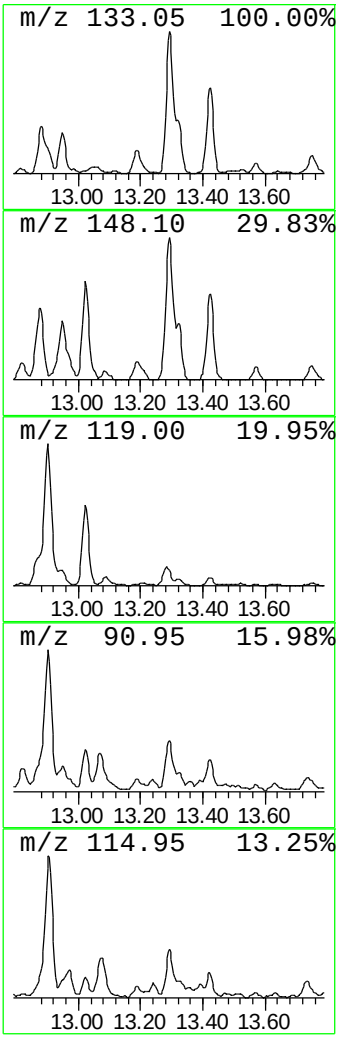
Peak Number 20 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1.85 ug/L	138511	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	90
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	90
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

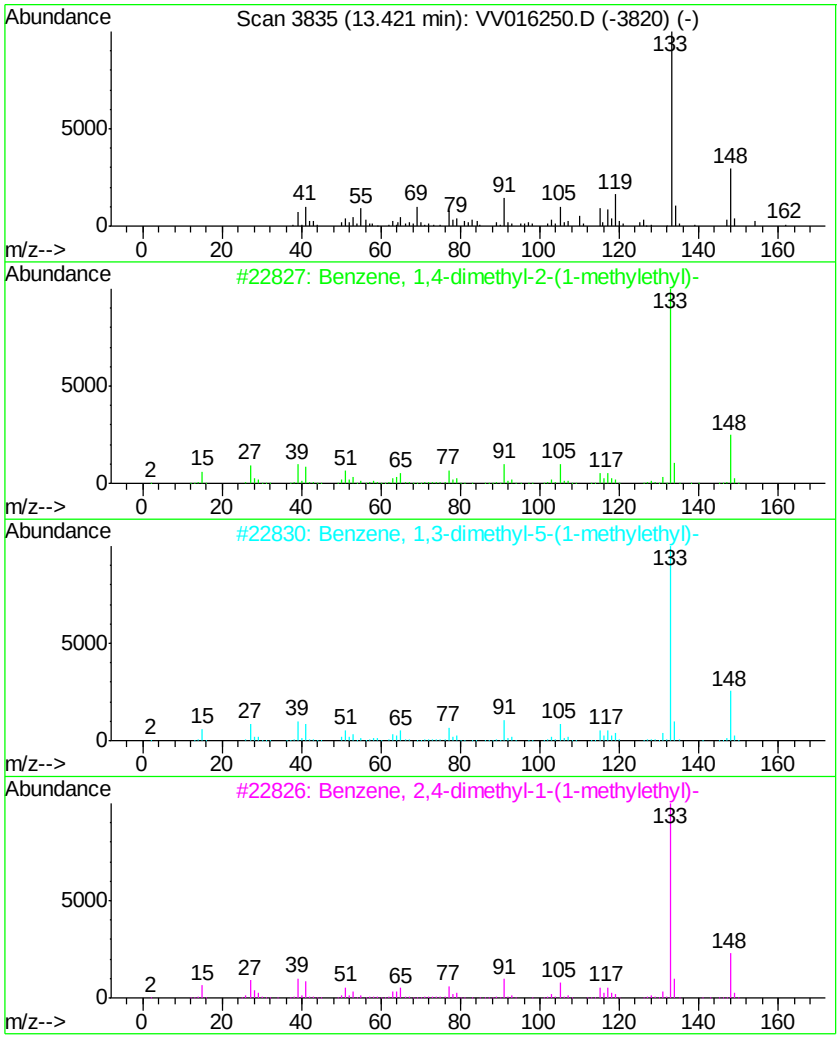
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

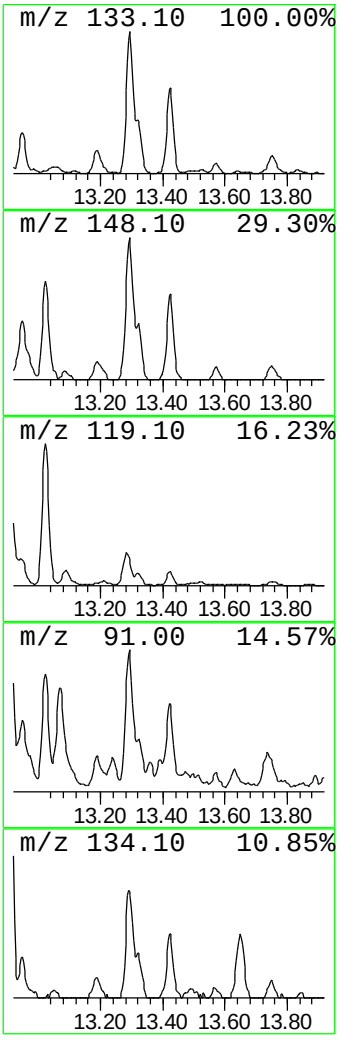
****

Peak Number 21 Benzene, 1,4-dimethyl-2-(1-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	1.79 ug/L	133429	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	90
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0

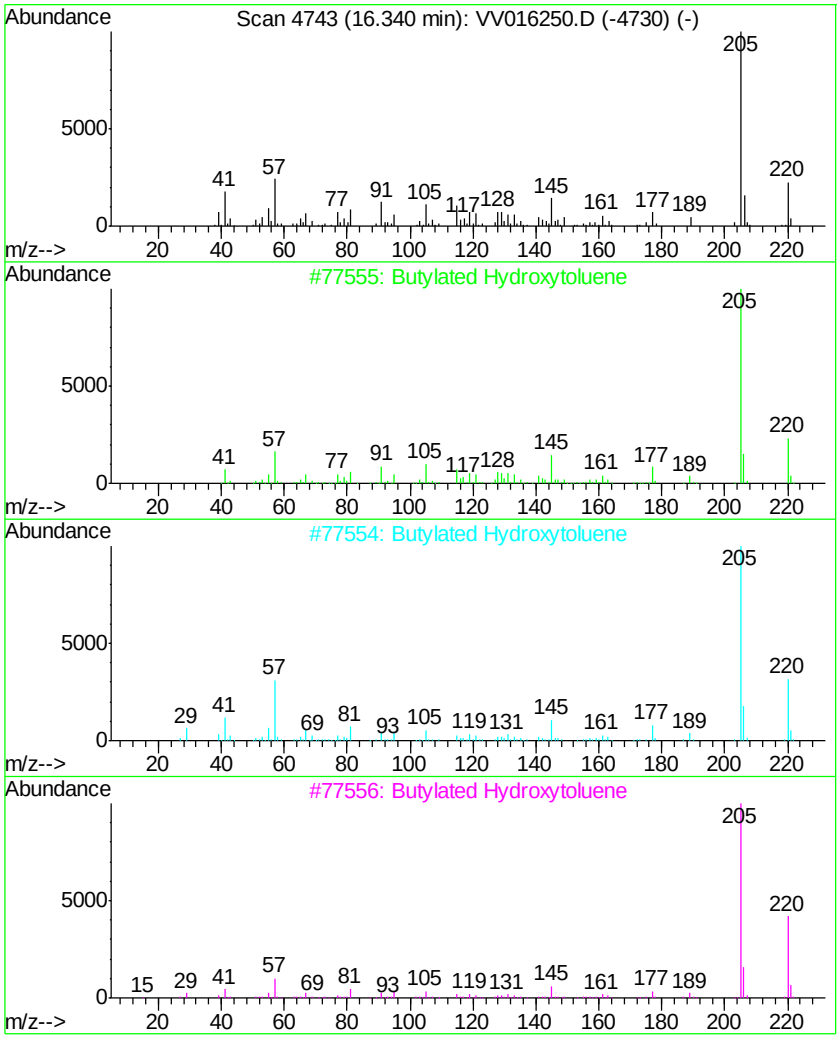
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

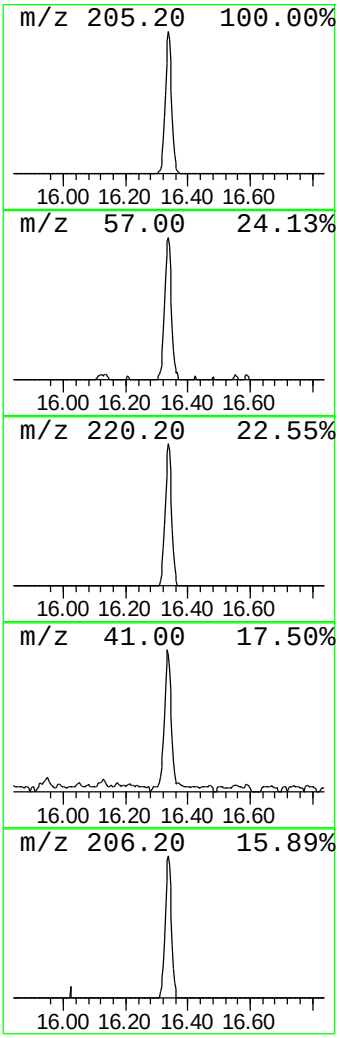
****

Peak Number 22 Butylated Hydroxytoluene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	1.89 ug/L	140990	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	98
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	97
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	93
4	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	87
5	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052720\
Data File : VV016250.D
Acq On : 28 May 2020 00:35
Operator : SY/MD
Sample : L2766-07
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BE4Z0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.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
Ethyl ether	1.97	9.6	ug/L	495072	1	5.64	258972	5.0
Diisopropyl ether	3.32	31.5	ug/L	1632170	1	5.64	258972	5.0
(DEL) Alkane: Cyc...	3.78	4.0	ug/L	205424	1	5.64	258972	5.0
Benzene, propyl-	10.37	13.6	ug/L	1013430	3	11.27	373364	5.0
Benzene, 1-ethyl-...	10.47	3.8	ug/L	283382	3	11.27	373364	5.0
Benzene, 1,2,3-tr...	10.56	3.2	ug/L	239694	3	11.27	373364	5.0
Benzene, 1-ethyl-...	10.76	11.1	ug/L	830558	3	11.27	373364	5.0
Mesitylene	10.94	15.8	ug/L	1181600	3	11.27	373364	5.0
Oxirane, 2-methyl...	11.11	2.3	ug/L	172353	3	11.27	373364	5.0
Benzene, 2-propenyl-	11.55	18.3	ug/L	1365860	3	11.27	373364	5.0
Benzene, 1-methyl...	11.84	2.1	ug/L	153903	3	11.27	373364	5.0
Benzene, 2-ethyl-...	11.93	3.5	ug/L	259366	3	11.27	373364	5.0
Benzene, 4-ethyl-...	12.04	13.2	ug/L	983737	3	11.27	373364	5.0
Benzene, 4-chloro...	12.28	2.8	ug/L	205734	3	11.27	373364	5.0
Benzene, 1,2,3,5-...	12.43	9.5	ug/L	706519	3	11.27	373364	5.0
Benzene, 1,2,4,5-...	12.49	6.1	ug/L	457964	3	11.27	373364	5.0
Benzene, 1-etheny...	12.75	3.5	ug/L	258896	3	11.27	373364	5.0
o-Cymene	12.90	5.2	ug/L	388337	3	11.27	373364	5.0
Benzene, 1-ethyl-...	13.29	1.9	ug/L	138511	3	11.27	373364	5.0
Benzene, 1,4-dime...	13.42	1.8	ug/L	133429	3	11.27	373364	5.0
Butylated Hydroxy...	16.34	1.9	ug/L	140990	3	11.27	373364	5.0