

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090219\
 Data File : VV012531.D
 Acq On : 02 Sep 2019 16:10
 Operator : SY/MD
 Sample : K4607-07 50X
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD63

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.1

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.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	1.319	64	71	82	rVB	111399	114932	2.58%	0.357%
2	1.586	146	154	165	rVB	111834	128646	2.89%	0.400%
3	2.132	314	324	335	rBV	211155	303606	6.81%	0.944%
4	3.958	873	892	916	rBV2	147318	513171	11.51%	1.595%
5	4.399	1011	1029	1051	rBV	114896	280911	6.30%	0.873%
6	5.097	1227	1246	1267	rBV2	248444	614144	13.77%	1.909%
7	5.663	1408	1422	1442	rBV	178366	365504	8.20%	1.136%
8	5.958	1500	1514	1534	rBV	580942	1139491	25.55%	3.543%
9	6.116	1549	1563	1582	rBV2	149686	302725	6.79%	0.941%
10	7.029	1834	1847	1861	rBV2	66779	125404	2.81%	0.390%
11	7.360	1938	1950	1967	rBV	267456	474323	10.64%	1.475%
12	7.666	2033	2045	2054	rBV2	39717	69844	1.57%	0.217%
13	8.132	2179	2190	2224	rBV	233039	547341	12.28%	1.702%
14	8.894	2414	2427	2446	rBV	281860	477187	10.70%	1.484%
15	10.257	2839	2851	2866	rBV	97490	159692	3.58%	0.496%
16	10.489	2914	2923	2940	rBV2	24653	57356	1.29%	0.178%
17	10.955	3058	3068	3080	rBV	84125	134363	3.01%	0.418%
18	11.132	3104	3123	3137	rBV	209853	355482	7.97%	1.105%
19	11.293	3162	3173	3190	rVV	294696	464606	10.42%	1.444%
20	11.379	3190	3200	3215	rVB	184902	286810	6.43%	0.892%
21	11.588	3248	3265	3281	rBV2	2672383	4458981	100.00%	13.862%
22	11.675	3281	3292	3314	rVB3	1667063	2958930	66.36%	9.199%
23	11.788	3315	3327	3340	rBV	824424	1244121	27.90%	3.868%
24	11.862	3340	3350	3366	rVB	241865	368697	8.27%	1.146%
25	11.955	3366	3379	3383	rBV	536491	797350	17.88%	2.479%
26	11.984	3383	3388	3399	rVB	583674	834657	18.72%	2.595%
27	12.058	3400	3411	3433	rVB	1149605	1826971	40.97%	5.680%
28	12.161	3433	3443	3447	rBV	201474	320082	7.18%	0.995%
29	12.360	3494	3505	3518	rVV	521563	764547	17.15%	2.377%
30	12.457	3520	3535	3543	rBV	1099074	1627588	36.50%	5.060%
31	12.508	3543	3551	3570	rVB	1771876	2649997	59.43%	8.239%
32	12.768	3622	3632	3645	rVB	397326	582587	13.07%	1.811%
33	12.926	3661	3681	3709	rBV2	1570813	2649990	59.43%	8.239%
34	13.045	3710	3718	3725	rVV	63506	94328	2.12%	0.293%

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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\SOMVTR090219WMA.M
Title : TRACE VOA SOM01.0

35	13.093	3726	3733	3743	rVB3	35815	63243	1.42%	0.197%
36	13.315	3791	3802	3807	rBV2	119873	195357	4.38%	0.607%
37	13.444	3835	3842	3854	rVB	57781	93085	2.09%	0.289%
38	13.547	3859	3874	3887	rBV	2191371	3340044	74.91%	10.384%
39	13.772	3932	3944	3953	rBV3	24596	46992	1.05%	0.146%
40	14.276	4093	4101	4112	rVB2	34246	51516	1.16%	0.160%
41	14.682	4216	4227	4238	rBV	101907	166510	3.73%	0.518%
42	14.865	4273	4284	4301	rBV	67060	114801	2.57%	0.357%

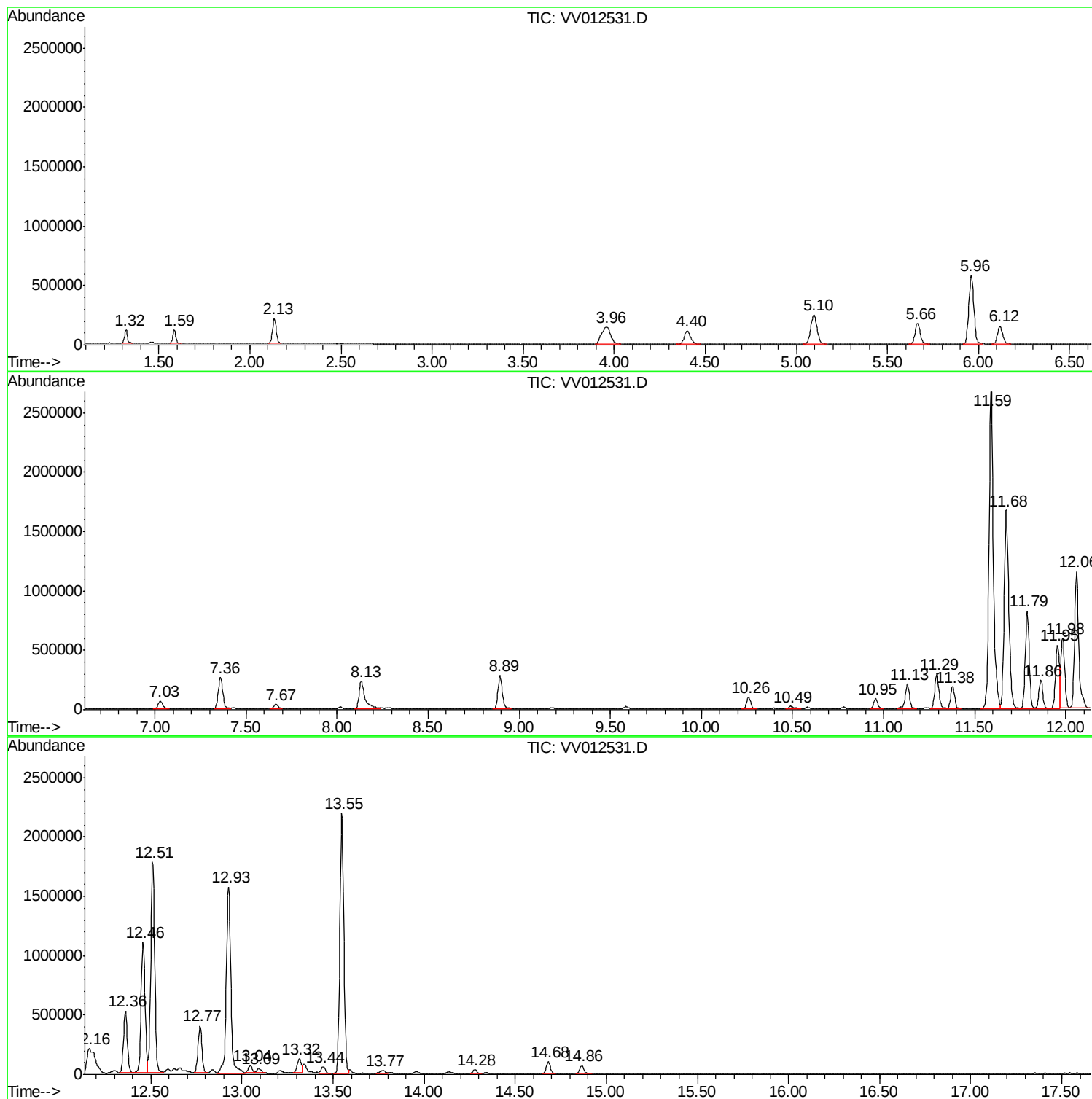
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0

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



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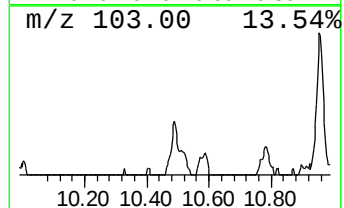
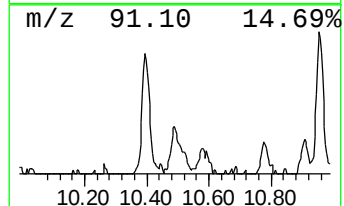
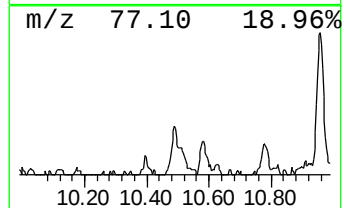
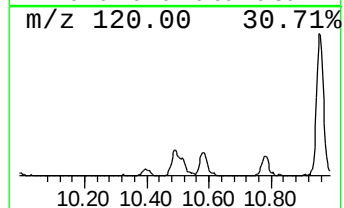
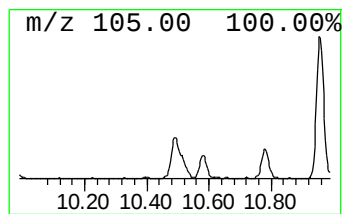
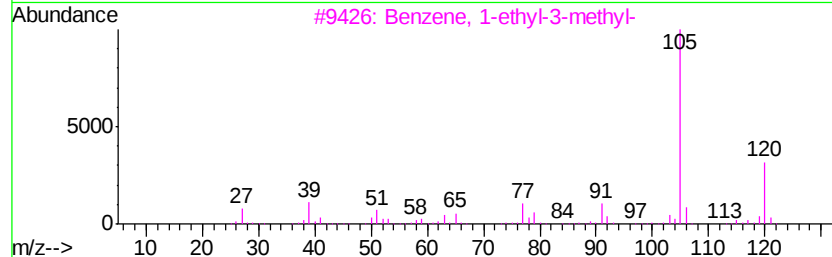
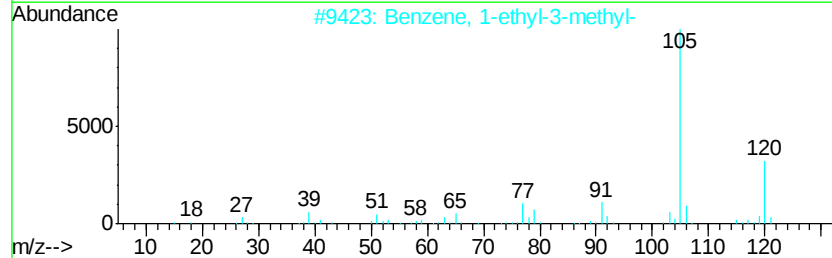
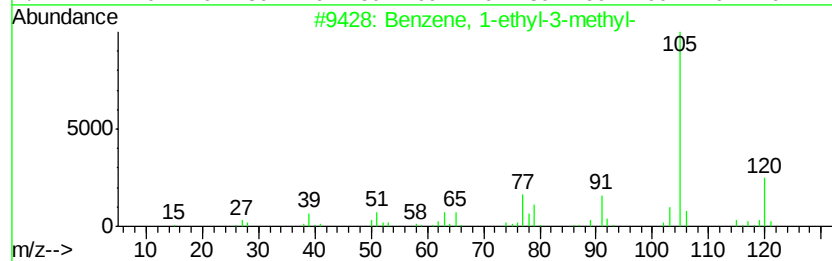
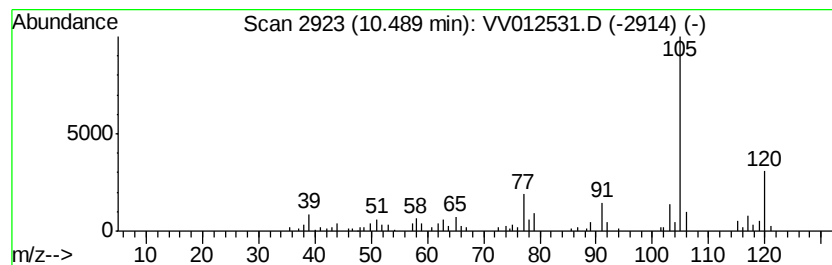
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	0.62 ug/L	57356	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
4		Mesitylene	120	C9H12	000108-67-8	76
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72



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Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

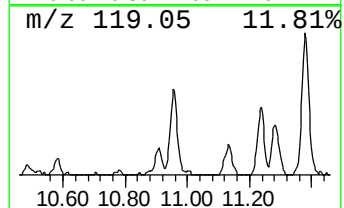
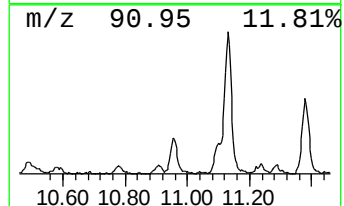
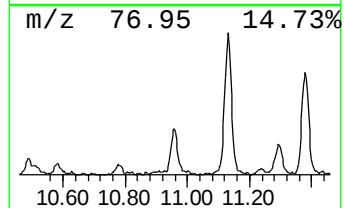
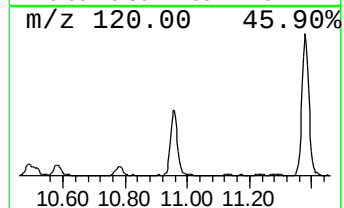
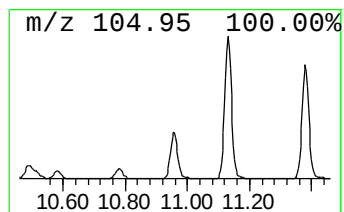
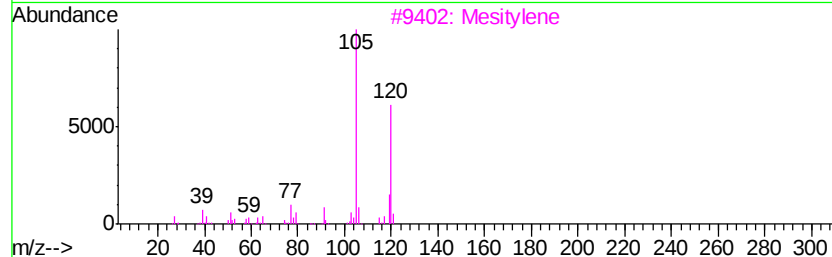
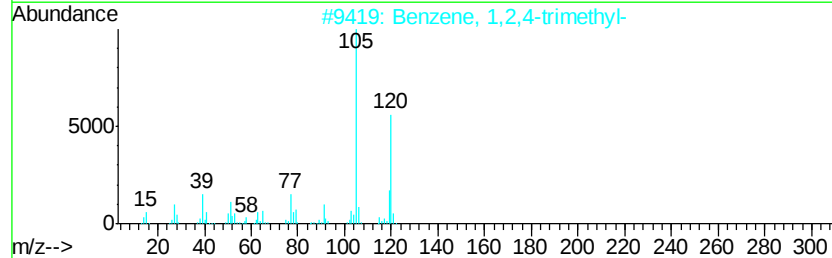
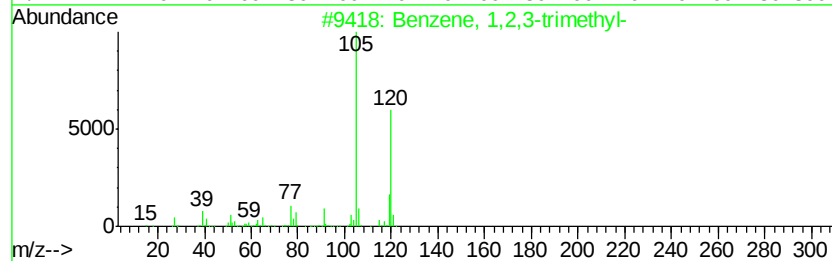
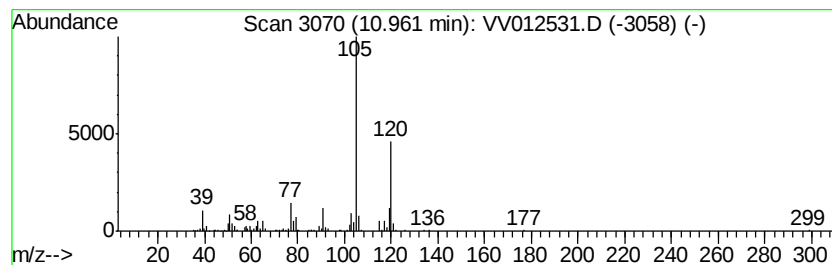
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	1.45 ug/L	134363	1,4-Dichlorobenzene-d4	11.29

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



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Instrument :
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ClientSampleId :
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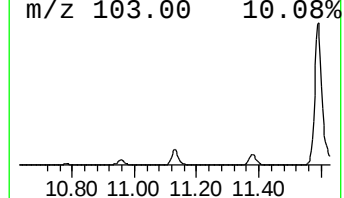
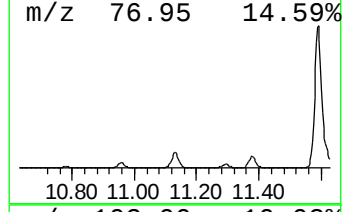
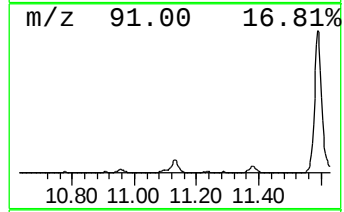
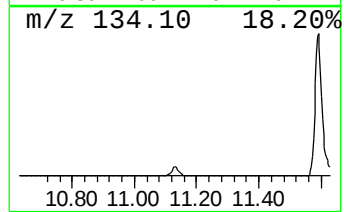
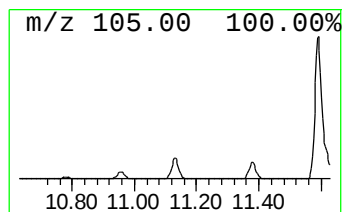
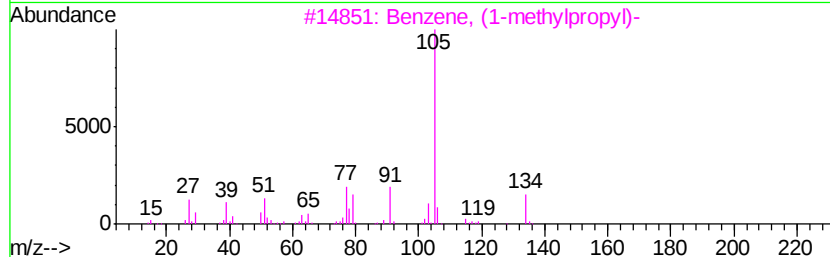
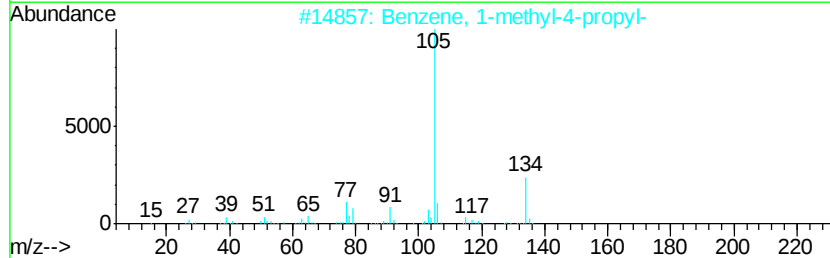
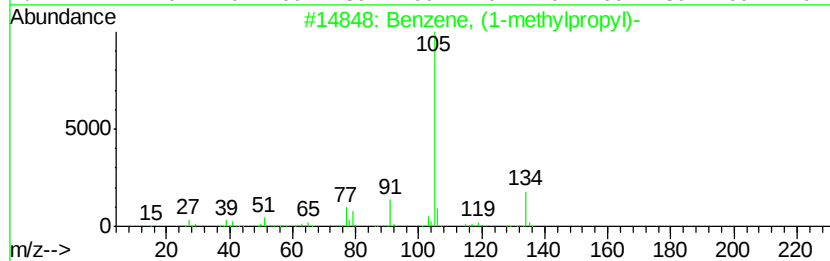
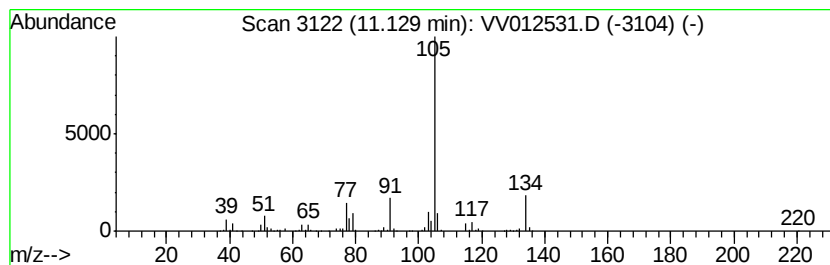
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 4 Benzene, (1-methylpropyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	3.83 ug/L	355482	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
4		2-Tolyloxirane	134	C9H10O	002783-26-8	87
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87



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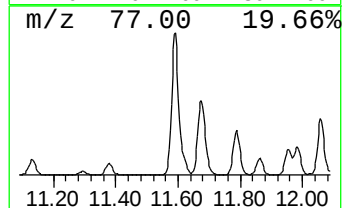
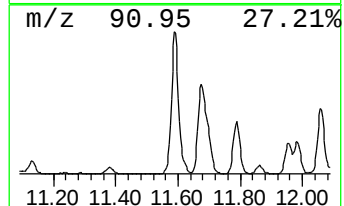
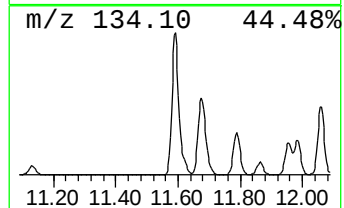
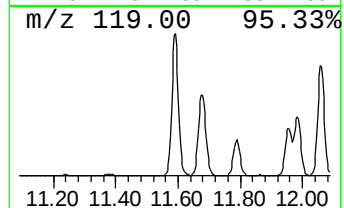
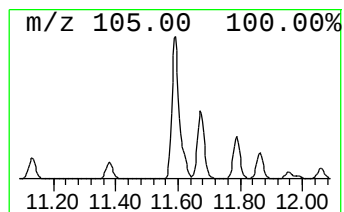
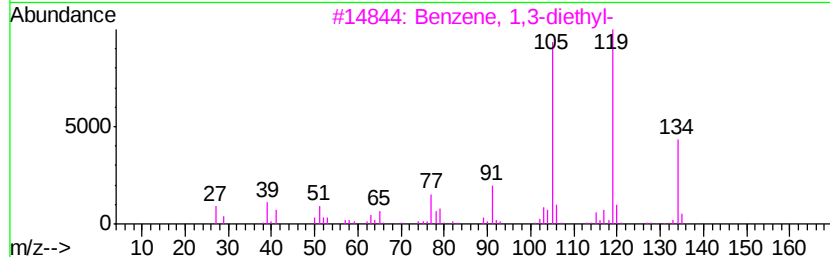
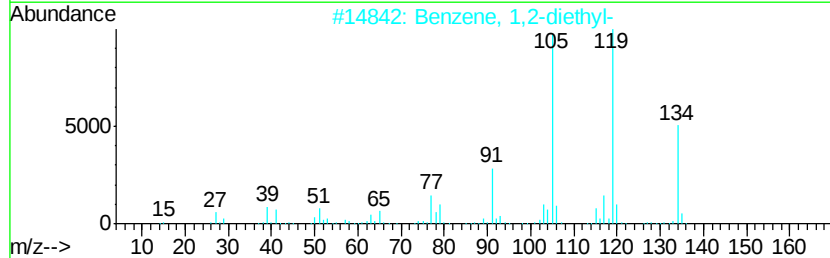
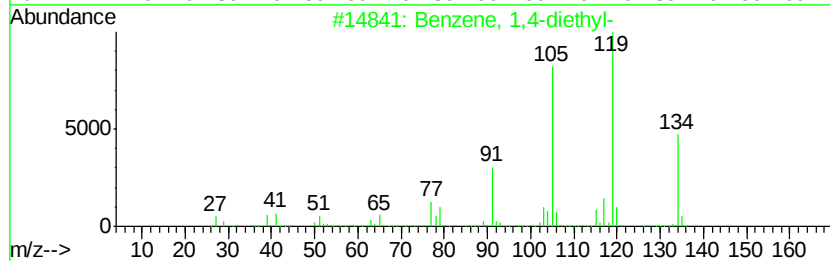
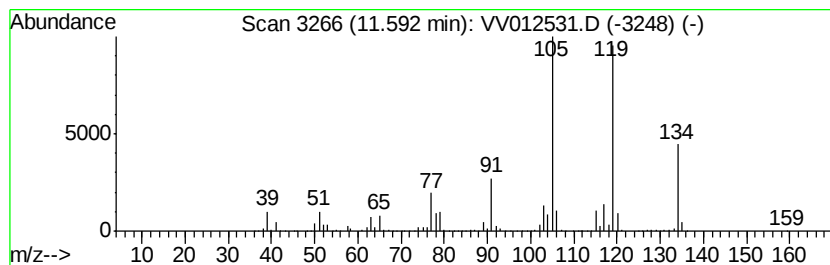
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1,4-diethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	47.99 ug/L	4458980	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91



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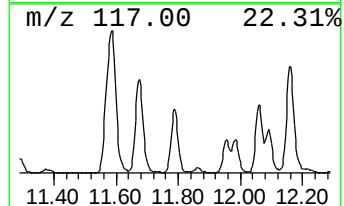
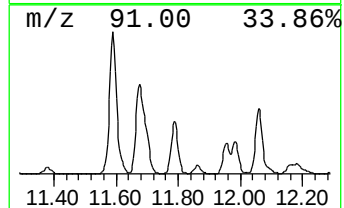
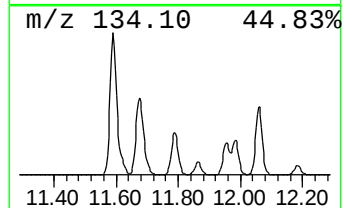
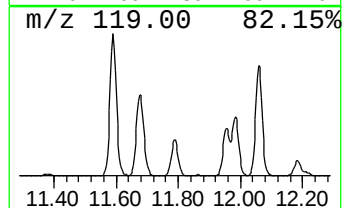
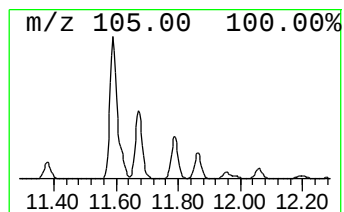
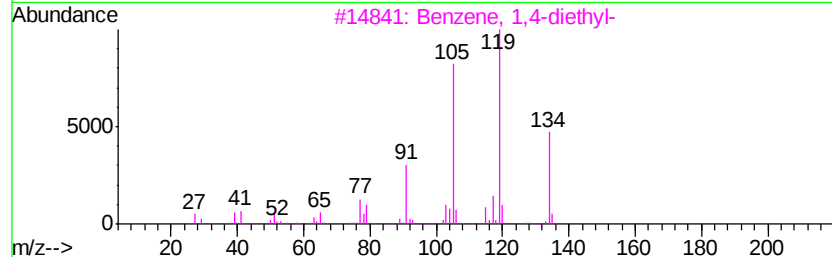
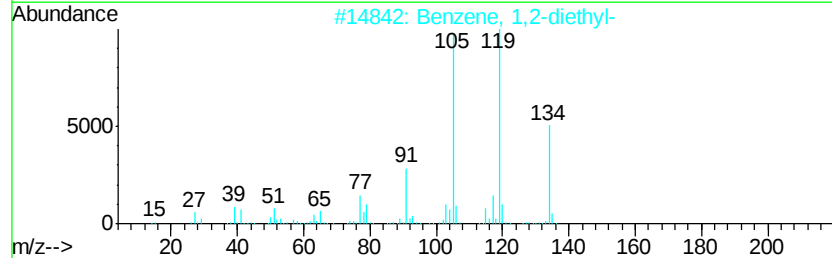
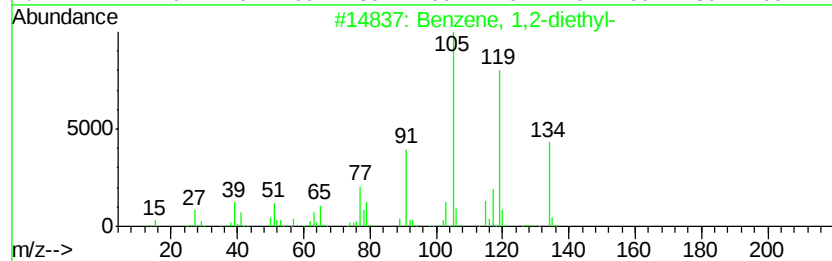
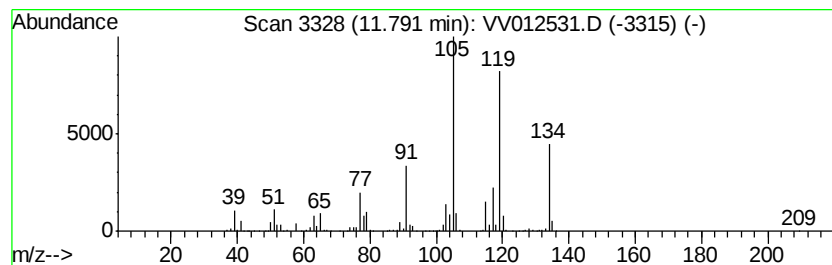
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	13.39 ug/L	1244120	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

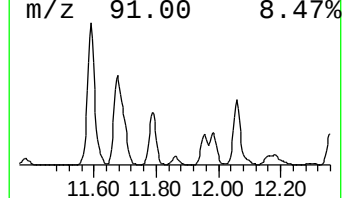
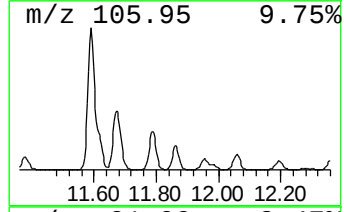
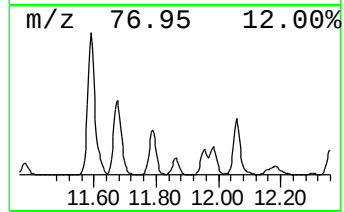
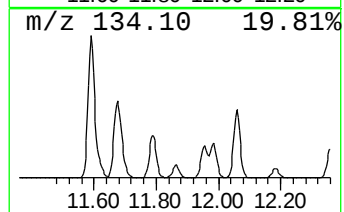
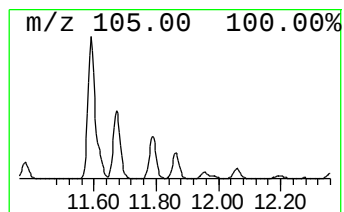
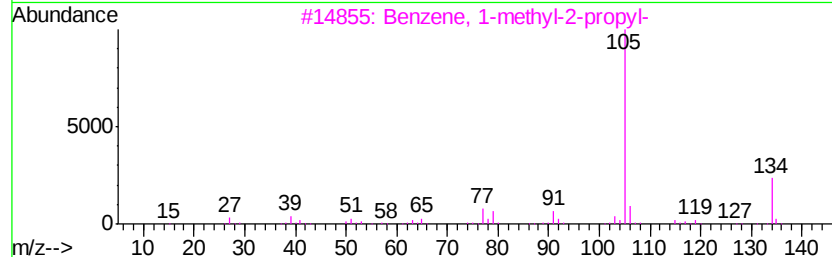
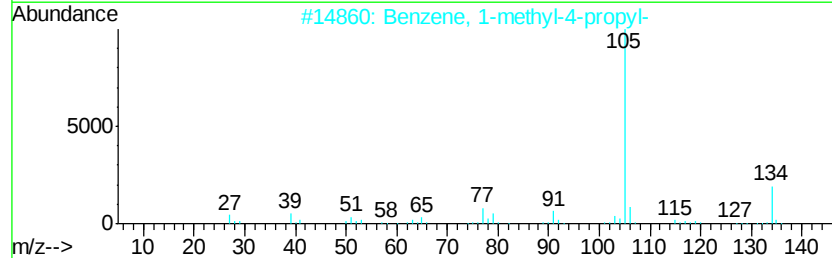
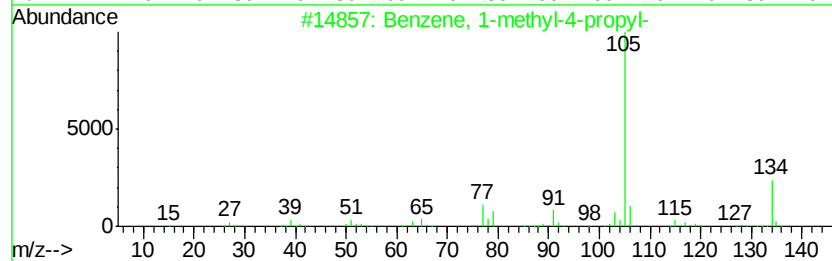
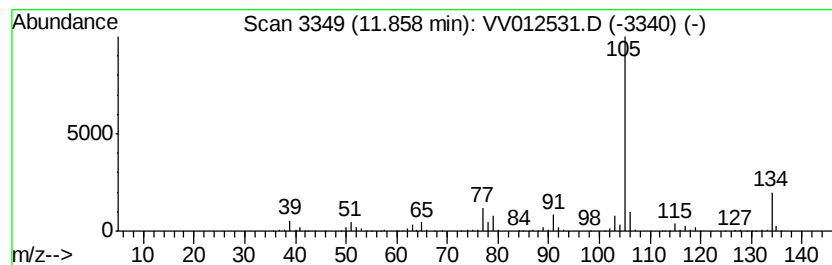
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 Benzene, 1-methyl-4-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	3.97 ug/L	368697	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
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-methylpropyl)-	134	C10H14	000135-98-8	91
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

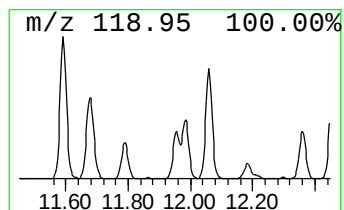
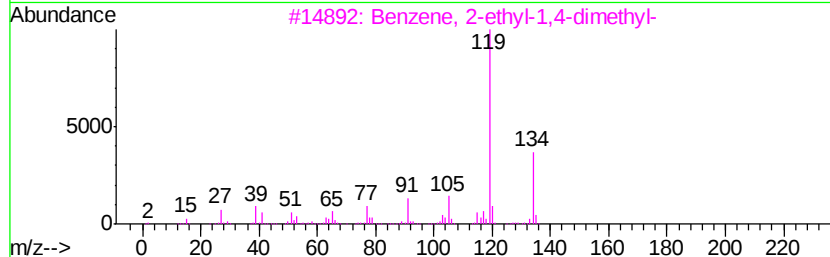
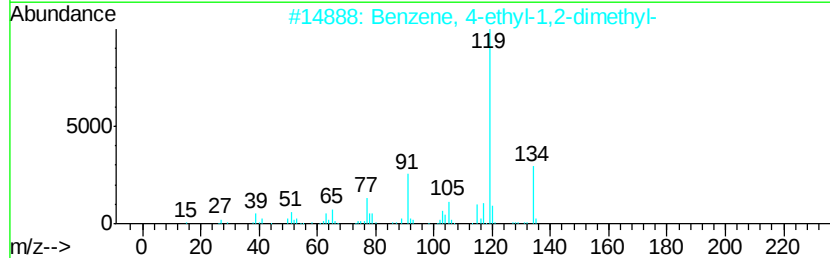
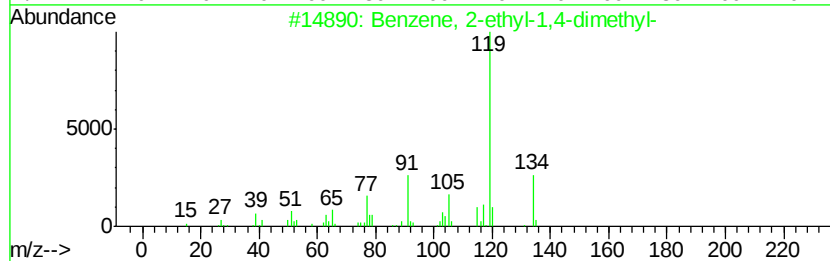
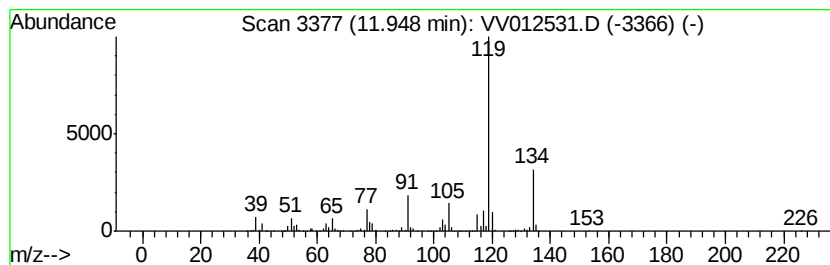
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 9 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.58 ug/L	797350	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

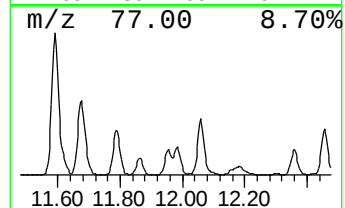
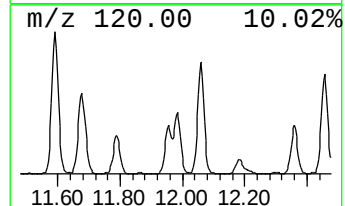
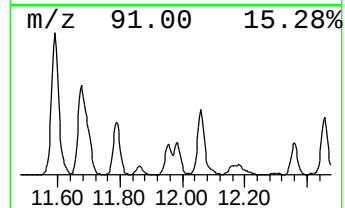
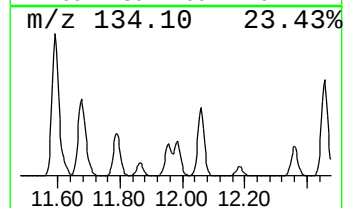
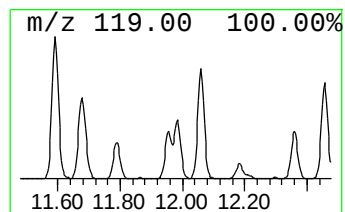
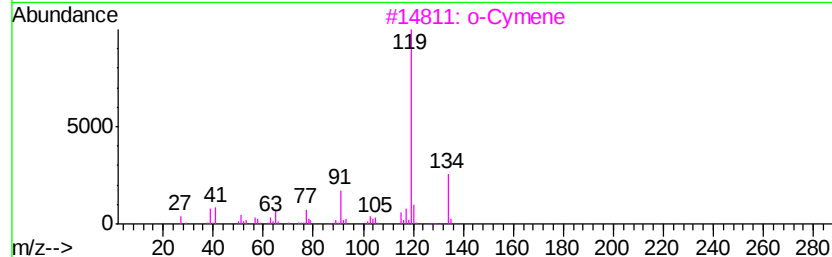
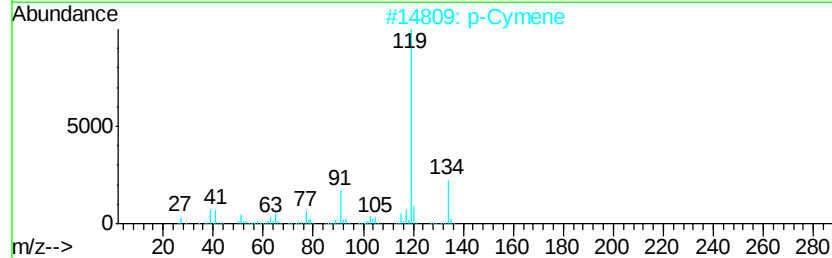
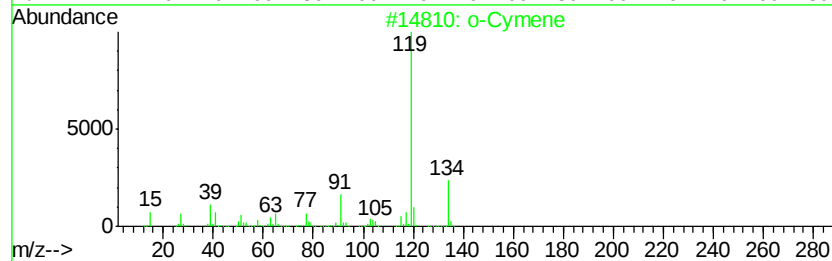
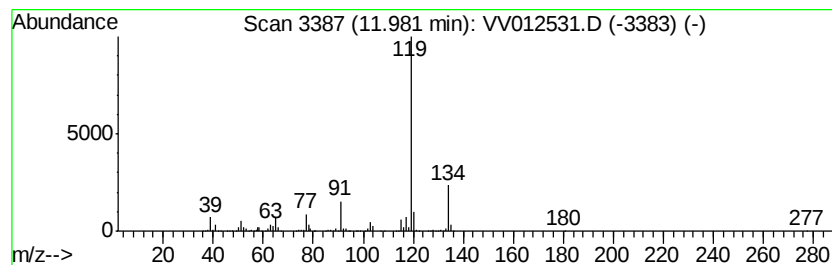
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	8.98 ug/L	834657	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	97
2		p-Cymene	134	C10H14	000099-87-6	97
3		o-Cymene	134	C10H14	000527-84-4	97
4		o-Cymene	134	C10H14	000527-84-4	97
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

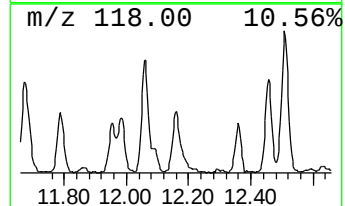
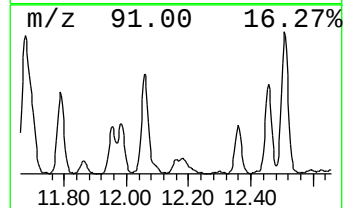
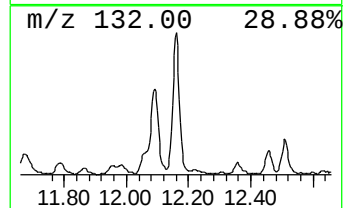
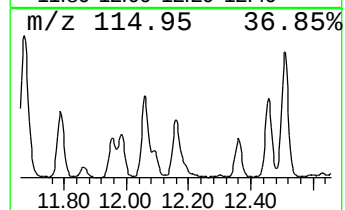
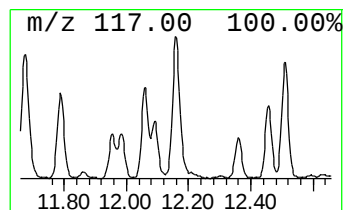
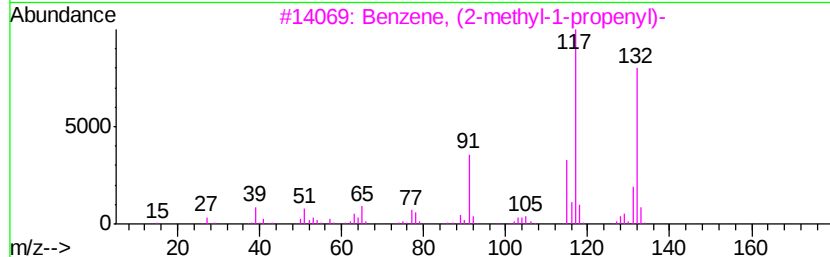
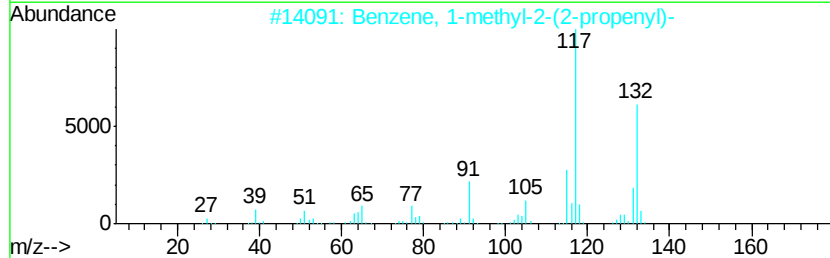
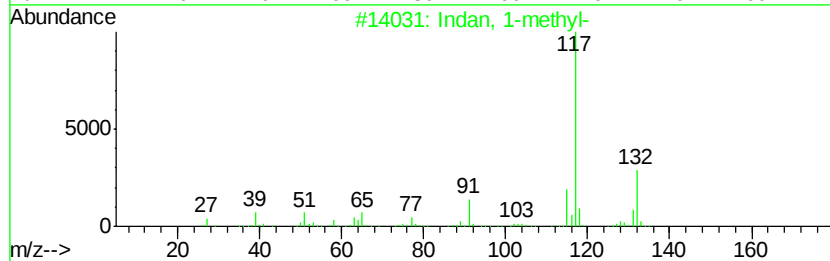
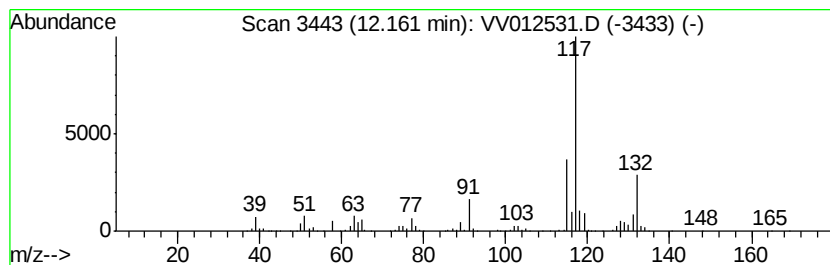
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 12 Indan, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.44 ug/L	320082	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

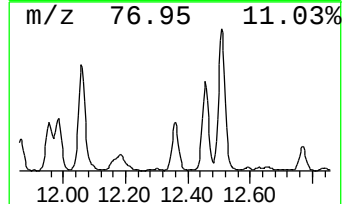
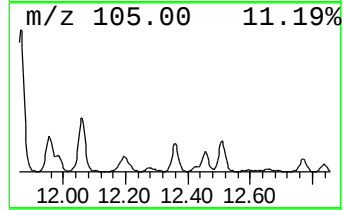
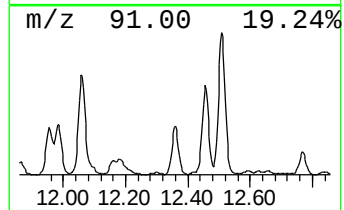
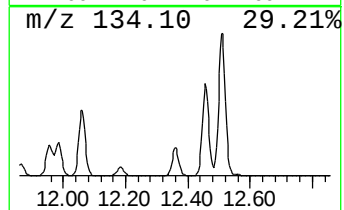
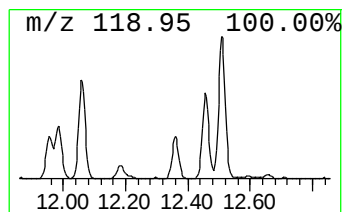
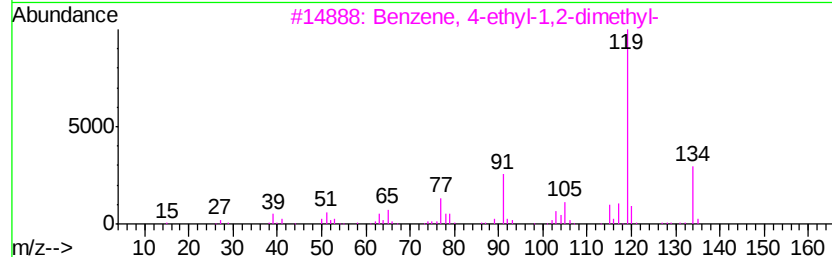
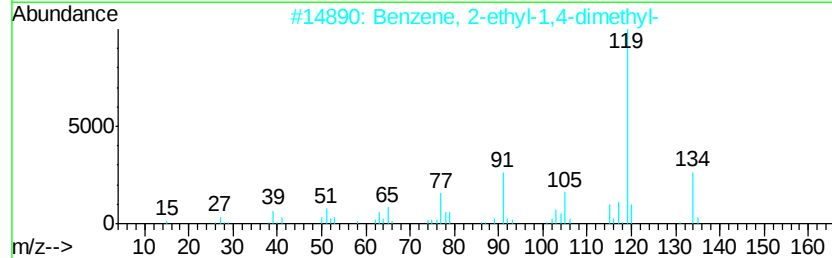
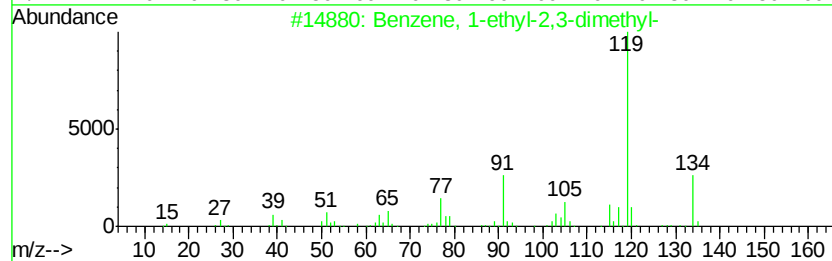
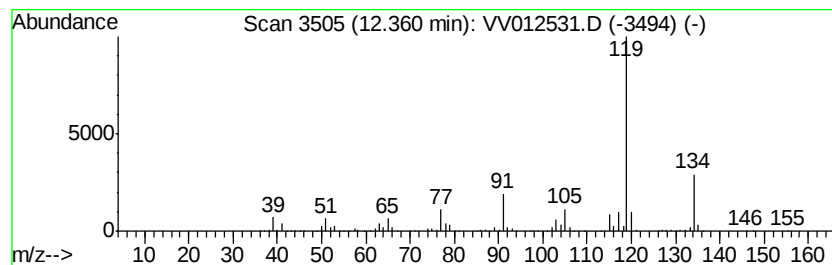
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	8.23 ug/L	764547	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
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:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

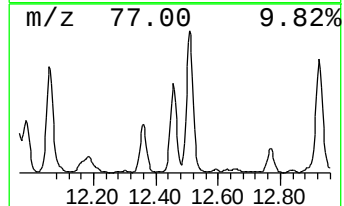
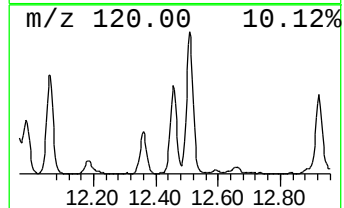
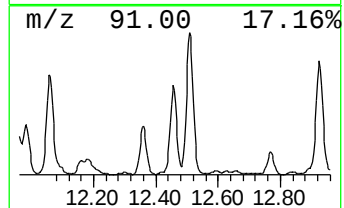
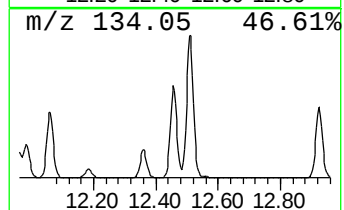
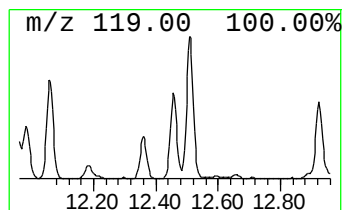
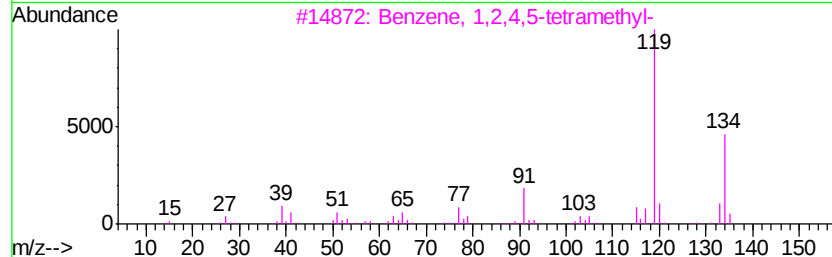
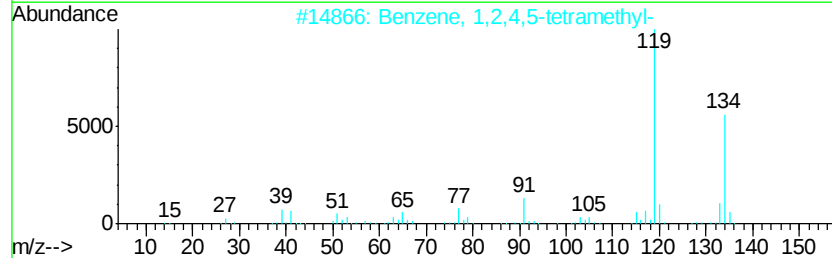
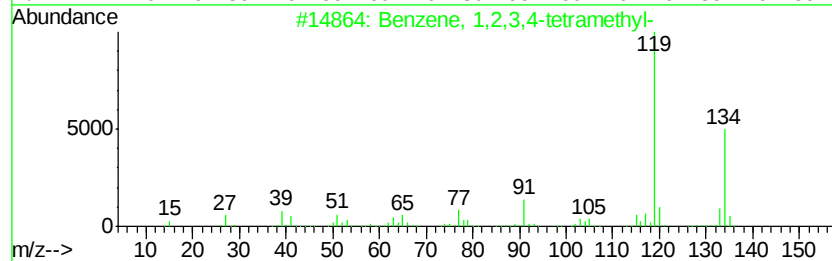
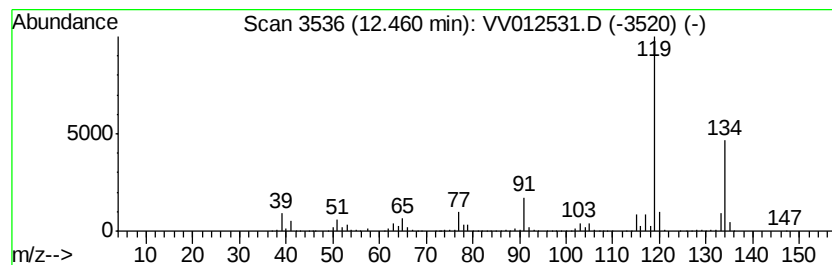
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	17.52 ug/L	1627590	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
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	96
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

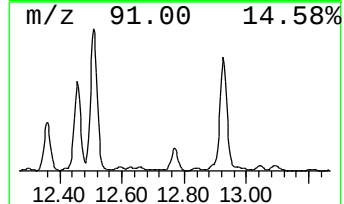
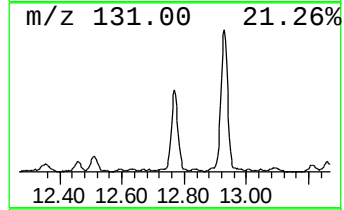
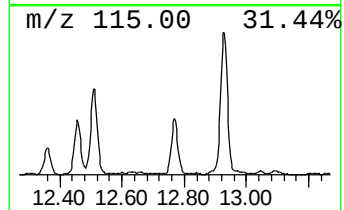
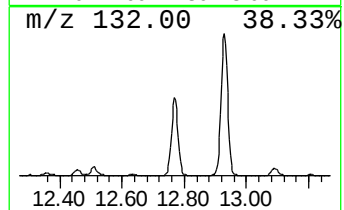
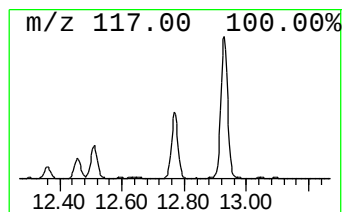
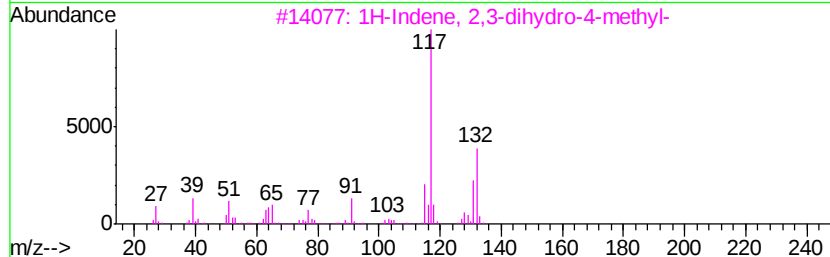
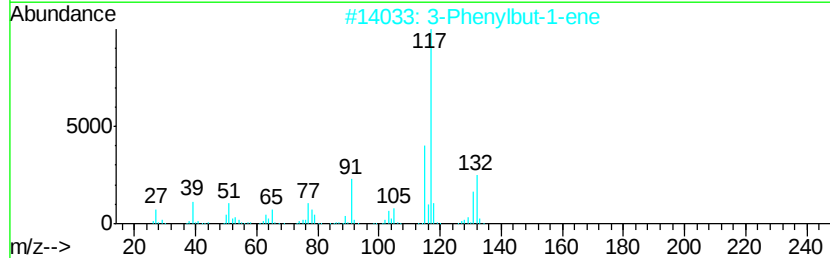
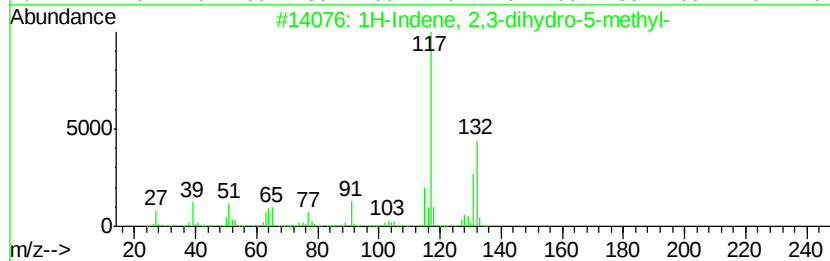
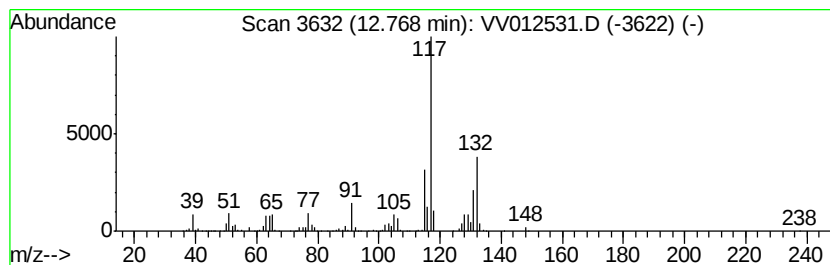
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 16 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	6.27 ug/L	582587	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

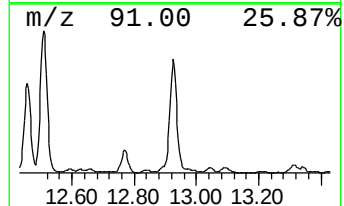
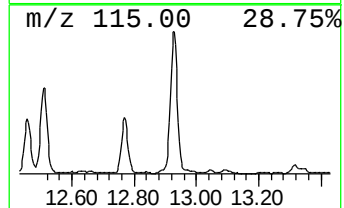
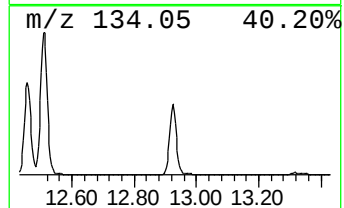
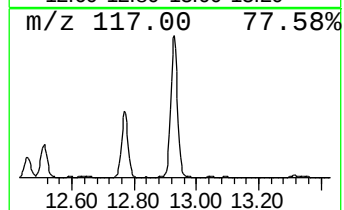
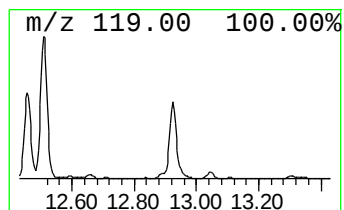
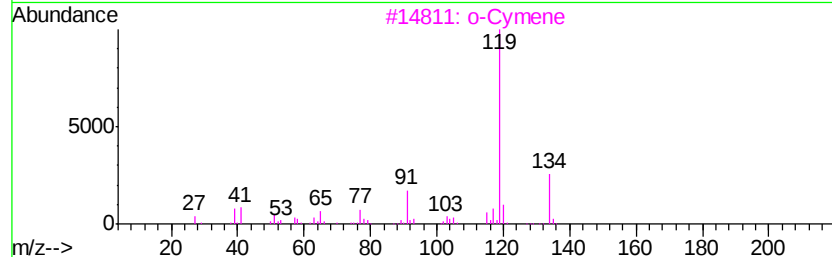
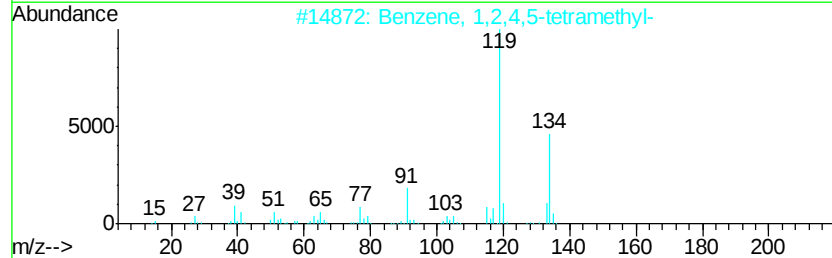
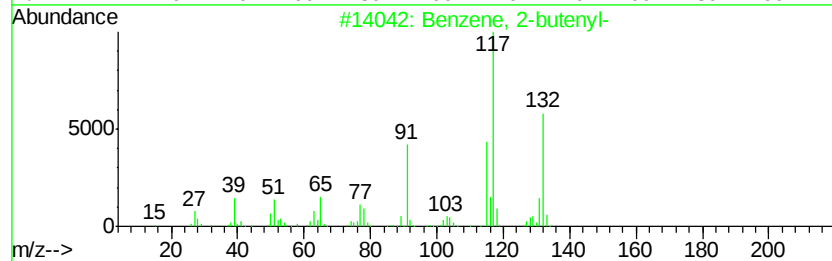
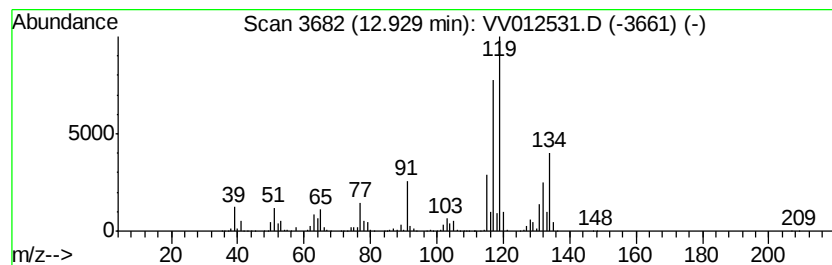
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 17 Benzene, 2-butenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	28.52 ug/L	2649990	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
3		o-Cymene	134	C10H14	000527-84-4	60
4		o-Cymene	134	C10H14	000527-84-4	60
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

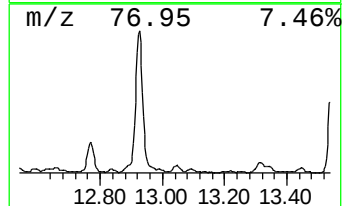
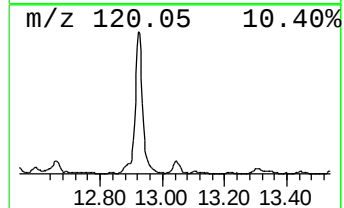
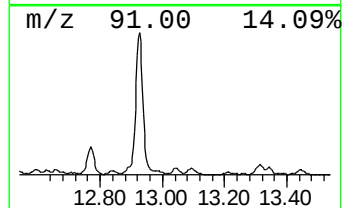
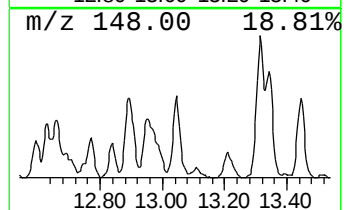
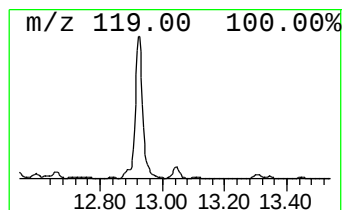
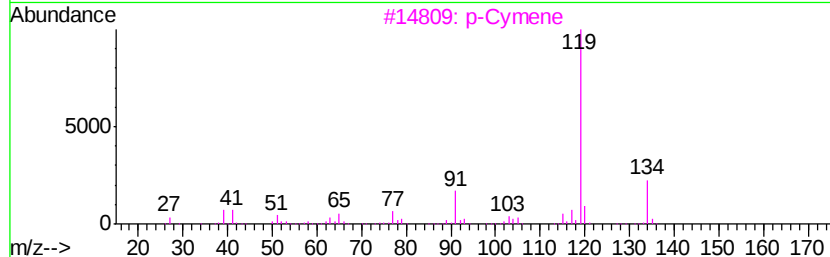
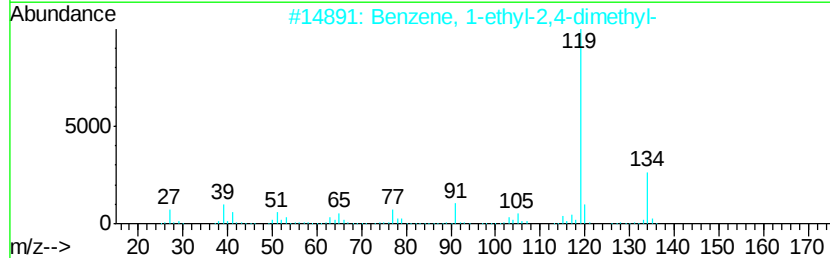
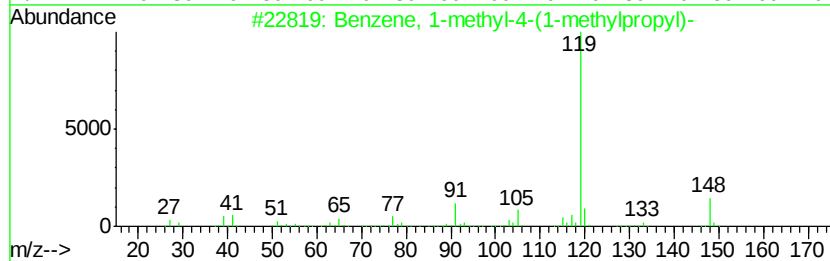
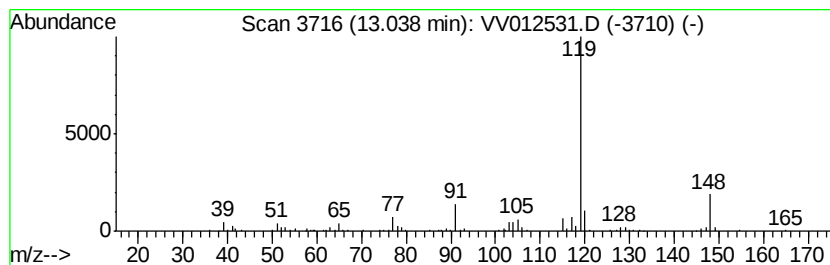
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 18 Benzene, 1-methyl-4-(1-meth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	1.02 ug/L	94328	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
3		p-Cymene	134	C10H14	000099-87-6	72
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

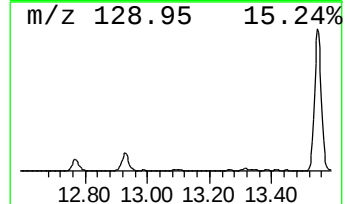
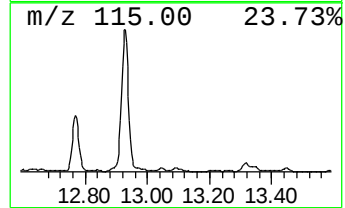
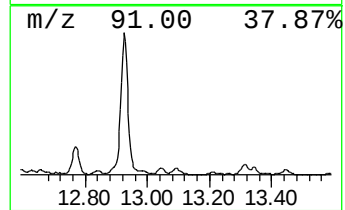
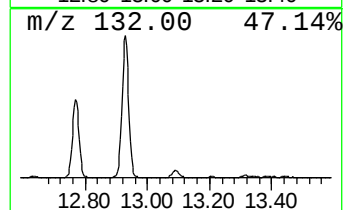
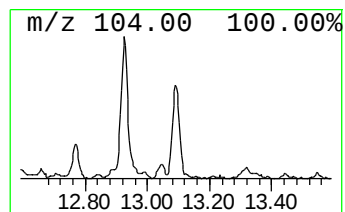
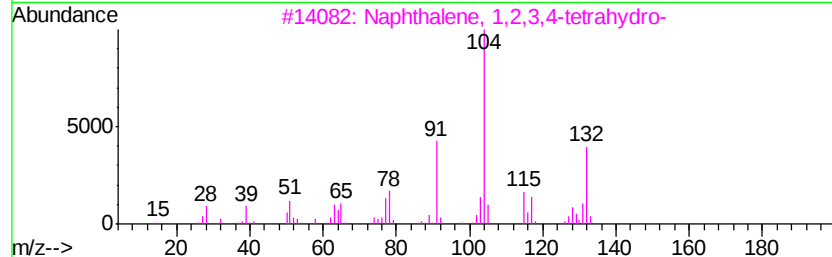
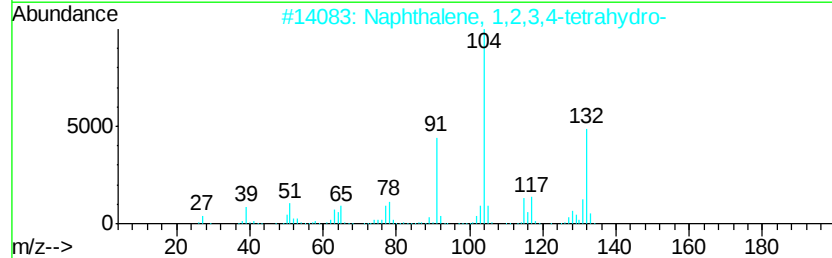
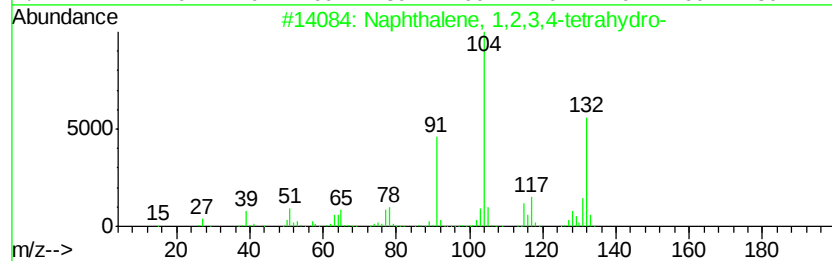
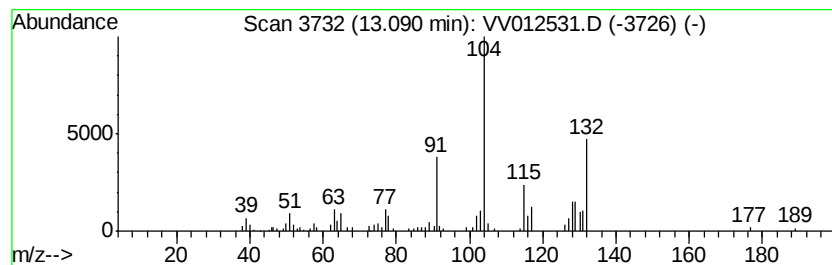
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 19 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	0.68 ug/L	63243	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	76
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55
5		Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

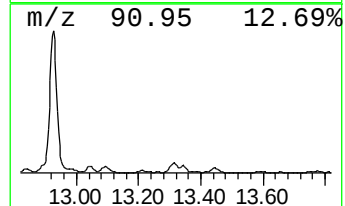
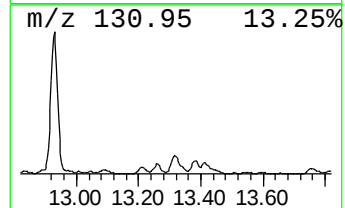
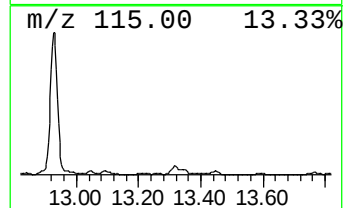
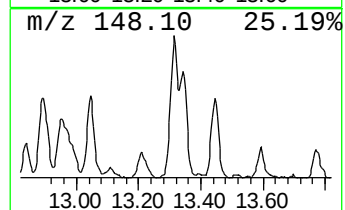
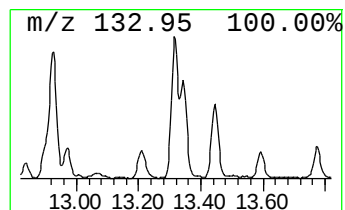
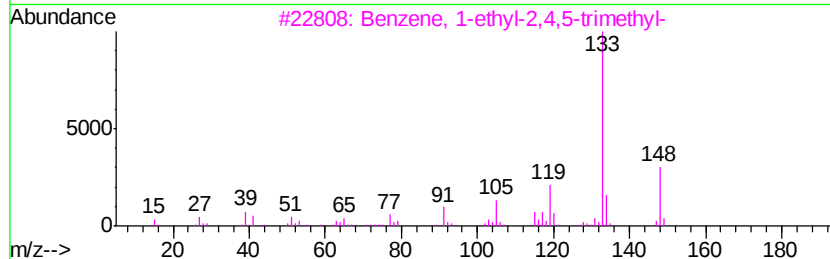
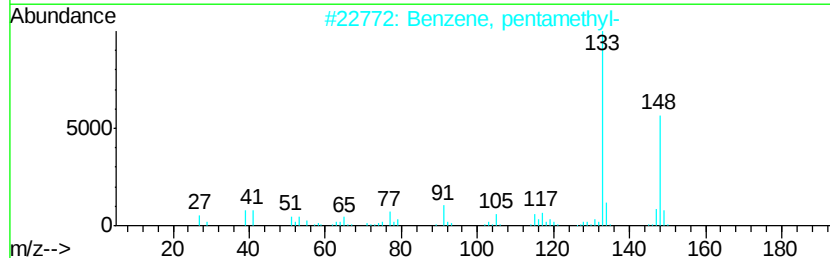
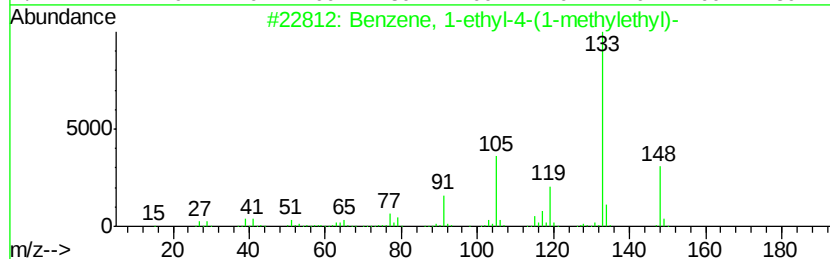
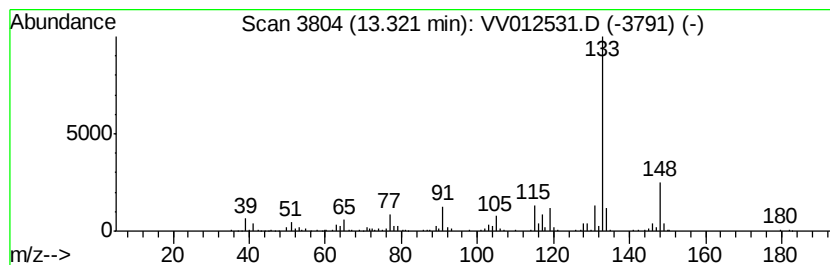
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 20 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.10 ug/L	195357	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	87
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	87
3		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	87
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	83
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

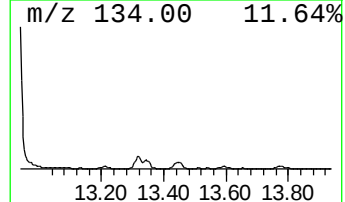
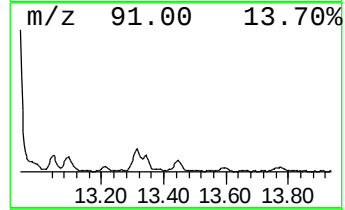
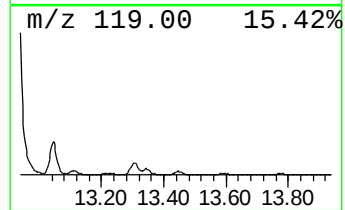
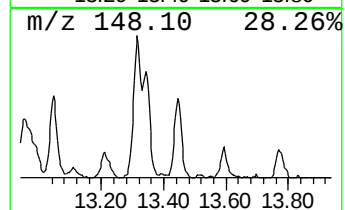
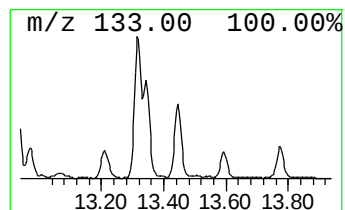
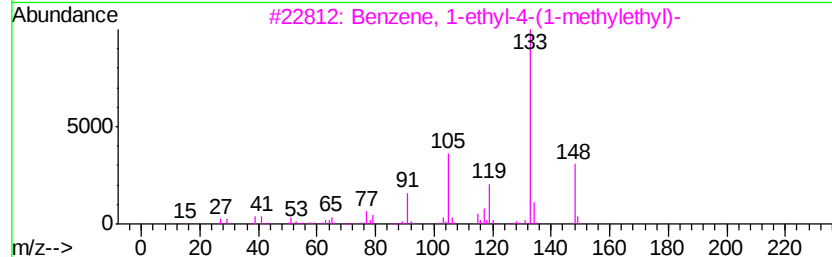
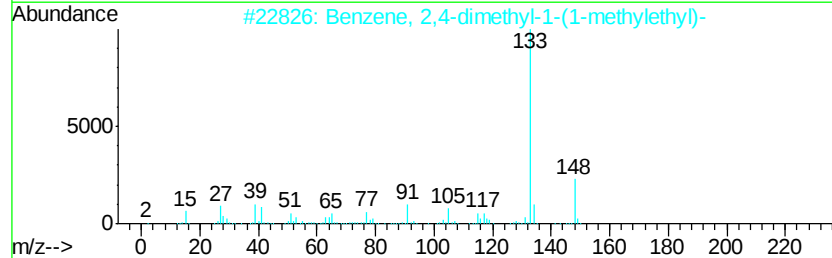
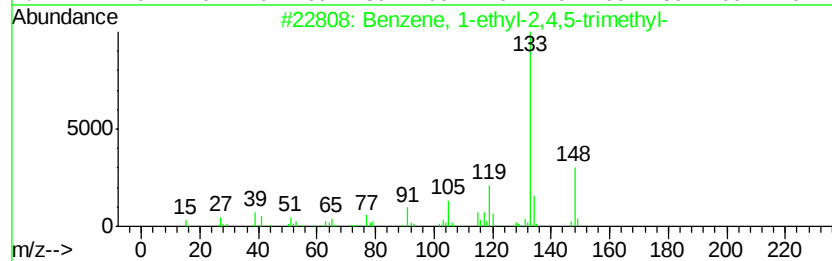
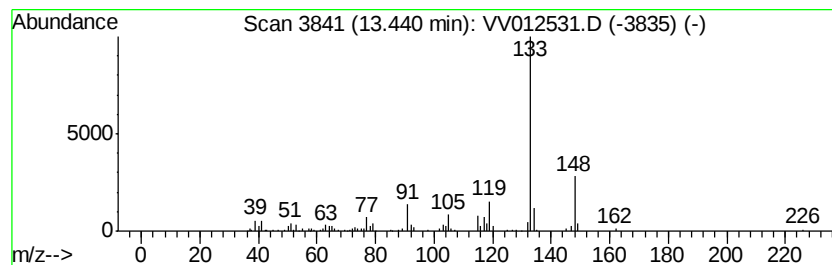
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 21 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	1.00 ug/L	93085	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	91
2		Benzene, 2,4-dimethyl-1-(1-methyl-...	148	C11H16	004706-89-2	90
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
4		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	90
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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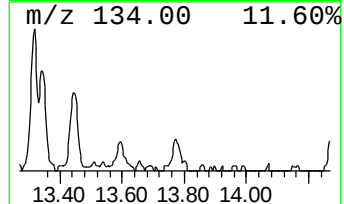
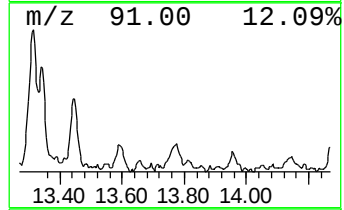
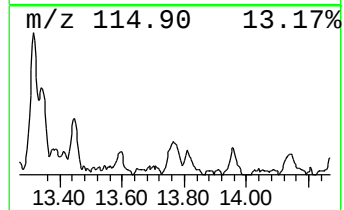
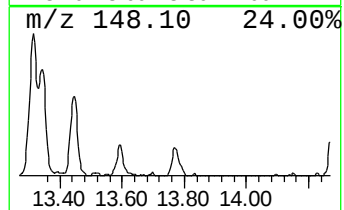
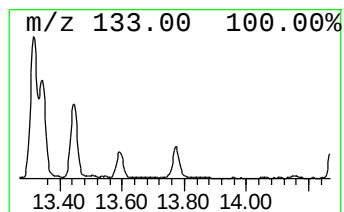
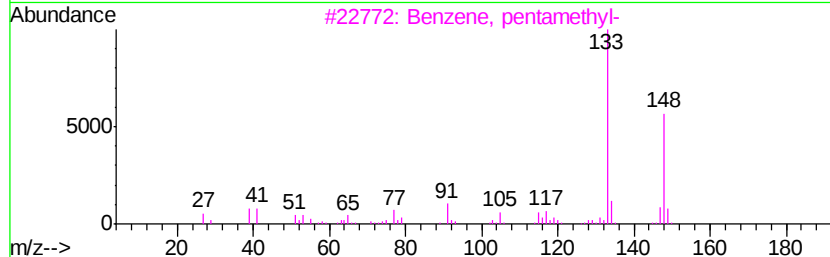
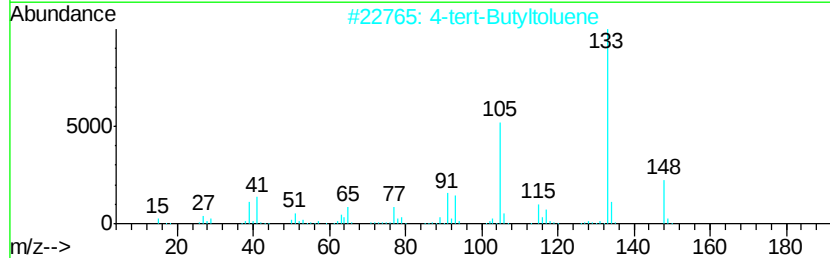
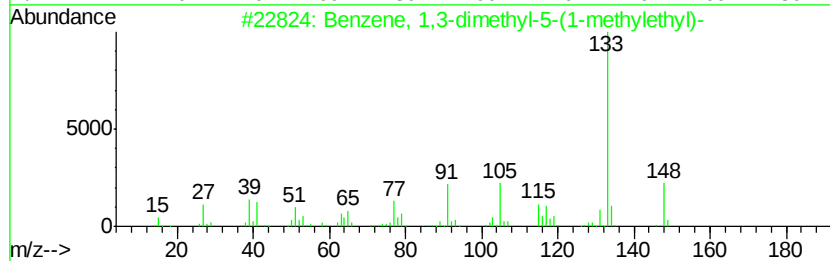
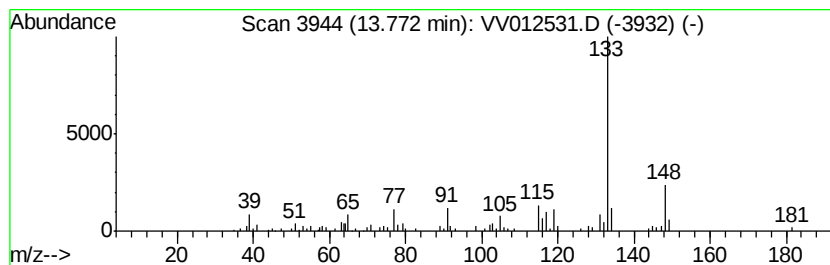
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 23 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	0.51 ug/L	46992	1,4-Dichlorobenzene-d4	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
2			4-tert-Butyltoluene	148	C11H16	000098-51-1	87
3			Benzene, pentamethyl-	148	C11H16	000700-12-9	87
4			3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

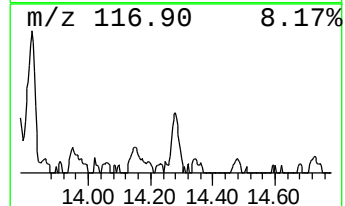
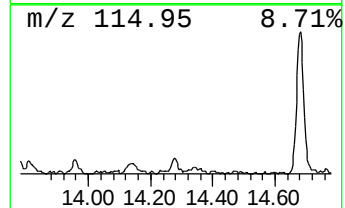
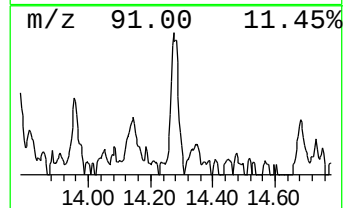
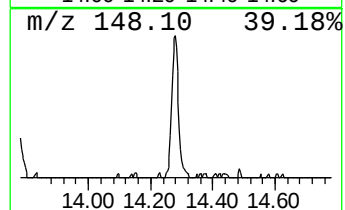
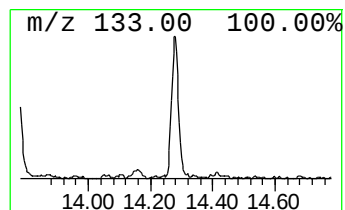
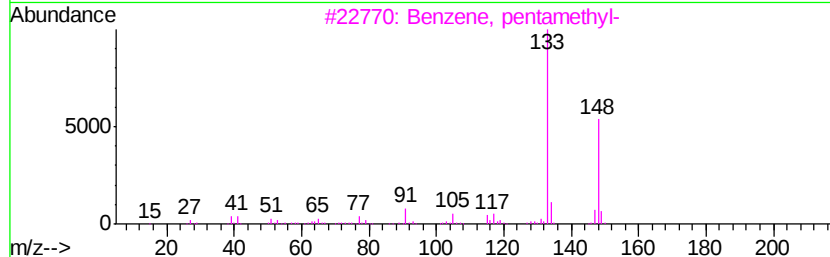
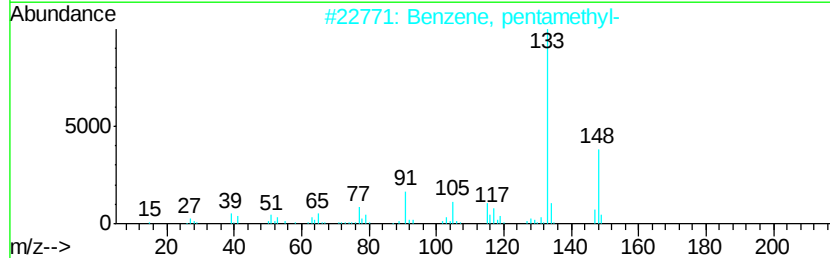
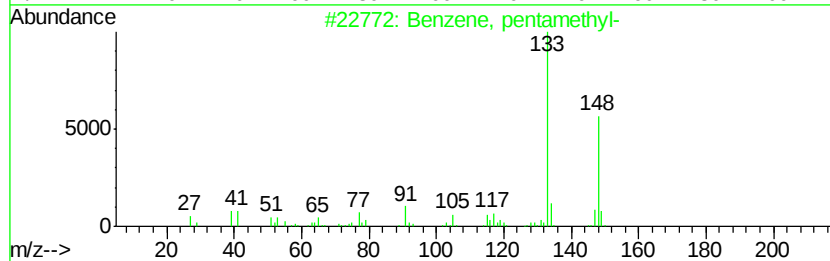
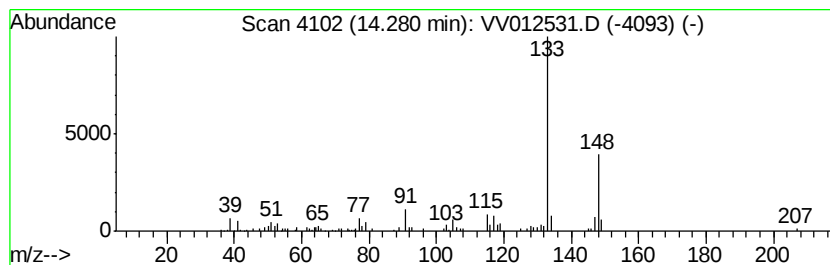
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 24 Benzene, pentamethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.55 ug/L	51516	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	95
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	94
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	91
4		Benzene, 1,3-dimethyl-5-(1-methv...	148	C11H16	004706-90-5	87
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV090219\
Data File : VV012531.D
Acq On : 02 Sep 2019 16:10
Operator : SY/MD
Sample : K4607-07 50X
Misc : 25mL/MSVOA V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD63

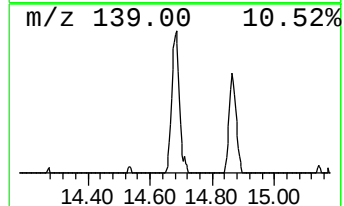
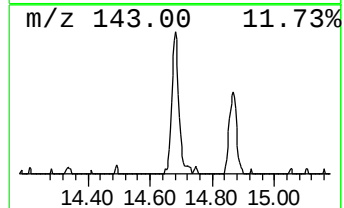
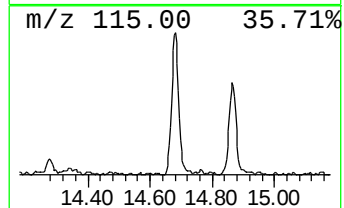
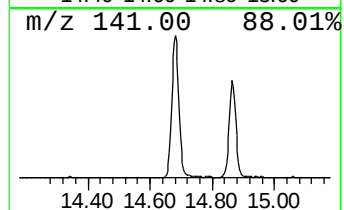
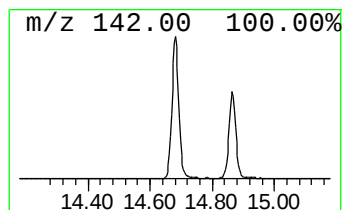
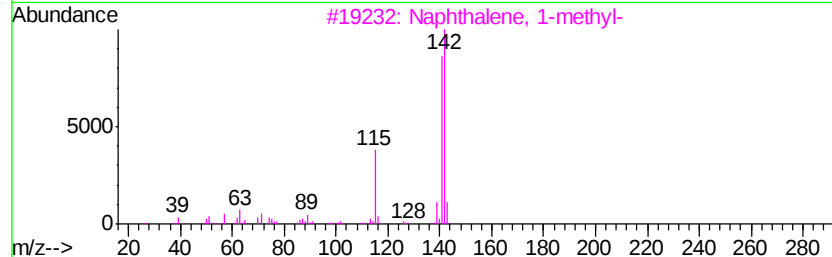
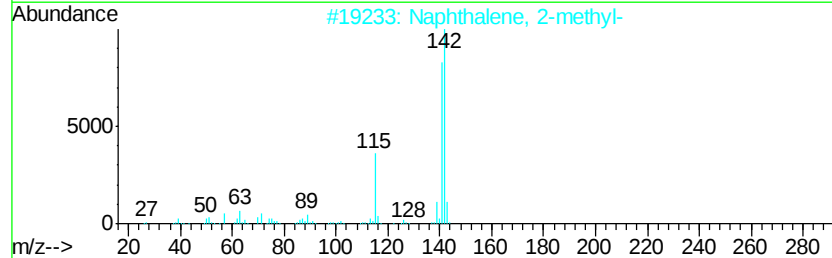
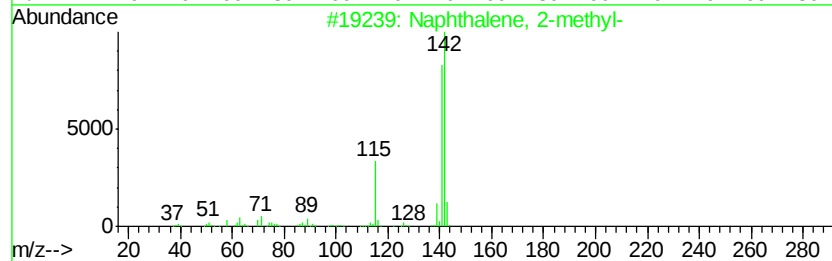
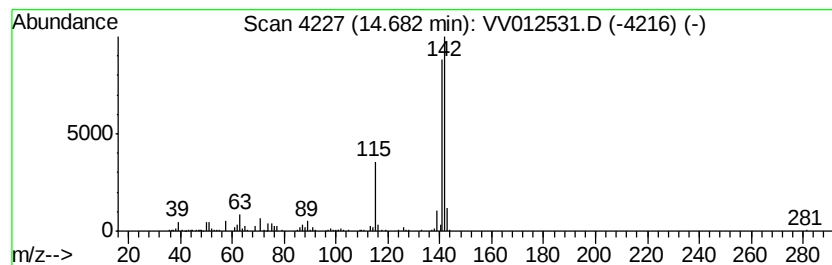
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	1.79 ug/L	166510	1,4-Dichlorobenzene-d4	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV090219\
 Data File : VV012531.D
 Acq On : 02 Sep 2019 16:10
 Operator : SY/MD
 Sample : K4607-07 50X
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFD63

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
 Quant Title : TRACE VOA SOM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.49	0.6	ug/L	57356	3	11.29	464606	5.0
Benzene, 1,2,3-tr...	10.96	1.5	ug/L	134363	3	11.29	464606	5.0
Benzene, (1-methy...	11.13	3.8	ug/L	355482	3	11.29	464606	5.0
Benzene, 1,4-diet...	11.59	48.0	ug/L	4458980	3	11.29	464606	5.0
Benzene, 1,2-diet...	11.79	13.4	ug/L	1244120	3	11.29	464606	5.0
Benzene, 1-methyl...	11.86	4.0	ug/L	368697	3	11.29	464606	5.0
Benzene, 2-ethyl-...	11.95	8.6	ug/L	797350	3	11.29	464606	5.0
o-Cymene	11.98	9.0	ug/L	834657	3	11.29	464606	5.0
Benzene, 1-ethyl-...	12.06	19.7	ug/L	1826970	3	11.29	464606	5.0
Indan, 1-methyl-	12.16	3.4	ug/L	320082	3	11.29	464606	5.0
Benzene, 1-ethyl-...	12.36	8.2	ug/L	764547	3	11.29	464606	5.0
Benzene, 1,2,3,4-...	12.46	17.5	ug/L	1627590	3	11.29	464606	5.0
1H-Indene, 2,3-di...	12.77	6.3	ug/L	582587	3	11.29	464606	5.0
Benzene, 2-butenyl-	12.93	28.5	ug/L	2649990	3	11.29	464606	5.0
Benzene, 1-methyl...	13.04	1.0	ug/L	94328	3	11.29	464606	5.0
Naphthalene, 1,2,...	13.09	0.7	ug/L	63243	3	11.29	464606	5.0
Benzene, 1-ethyl-...	13.32	2.1	ug/L	195357	3	11.29	464606	5.0
Benzene, 1-ethyl-...	13.44	1.0	ug/L	93085	3	11.29	464606	5.0
Benzene, 1,3-dime...	13.77	0.5	ug/L	46992	3	11.29	464606	5.0
Benzene, pentamet...	14.28	0.6	ug/L	51516	3	11.29	464606	5.0
Naphthalene, 1-me...	14.68	1.8	ug/L	166510	3	11.29	464606	5.0