

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051121.D
 Acq On : 11 Sep 2018 12:44
 Operator : MD\SY
 Sample : J4849-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-E

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 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_N\METHODS\82N091018W.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.593	1790	1810	1821	rBV	472115	1194171	1.66%	0.540%
2	7.667	1821	1833	1853	rVB	742149	1759361	2.44%	0.796%
3	8.027	1927	1945	1972	rBV	434963	1057012	1.47%	0.478%
4	8.587	2102	2119	2141	rBV	1038892	2194471	3.04%	0.992%
5	10.091	2571	2587	2616	rBV	1918866	3544375	4.92%	1.603%
6	11.407	2983	2996	3014	rBV	1369246	2472858	3.43%	1.118%
7	11.947	3141	3164	3178	rBV3	436909	1400060	1.94%	0.633%
8	12.249	3247	3258	3270	rVB	2824489	4564242	6.33%	2.064%
9	12.403	3294	3306	3317	rBV	1313401	2208955	3.06%	0.999%
10	12.590	3346	3364	3376	rBV	5959997	10090194	14.00%	4.562%
11	12.731	3396	3408	3419	rVB	2293240	3742599	5.19%	1.692%
12	13.040	3493	3504	3529	rVB2	44373737	72080958	100.00%	32.592%
13	13.172	3529	3545	3554	rBV2	2320503	4850410	6.73%	2.193%
14	13.233	3554	3564	3574	rVB	2619256	3995444	5.54%	1.807%
15	13.287	3574	3581	3590	rVB	1089985	1559462	2.16%	0.705%
16	13.374	3590	3608	3621	rVB	16930617	28702905	39.82%	12.978%
17	13.442	3621	3629	3639	rVB	766021	1179225	1.64%	0.533%
18	13.513	3640	3651	3654	rBV	2784715	4125243	5.72%	1.865%
19	13.541	3654	3660	3668	rVV2	5871069	9339375	12.96%	4.223%
20	13.590	3668	3675	3691	rVV3	2943131	6452973	8.95%	2.918%
21	13.673	3691	3701	3712	rVB	1417236	2385976	3.31%	1.079%
22	13.802	3728	3741	3746	rBV	4024732	6572953	9.12%	2.972%
23	13.831	3746	3750	3759	rVV	4254515	6079901	8.43%	2.749%
24	13.889	3759	3768	3777	rVV	5122640	7830848	10.86%	3.541%
25	13.947	3777	3786	3792	rVV	1471773	2338533	3.24%	1.057%
26	13.995	3792	3801	3811	rVB3	4658768	7782644	10.80%	3.519%
27	14.127	3832	3842	3852	rVB2	2491819	3844831	5.33%	1.738%
28	14.210	3852	3868	3873	rBV	2217703	3680856	5.11%	1.664%
29	14.249	3873	3880	3889	rVV	3897531	5877812	8.15%	2.658%
30	14.477	3943	3951	3959	rVV2	641710	1024328	1.42%	0.463%
31	14.586	3973	3985	3998	rVB4	2980006	6112045	8.48%	2.764%
32	14.741	4024	4033	4044	rVB	733388	1114031	1.55%	0.504%

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ClientSampleId :
EP1-MW-E

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : SW846 8260

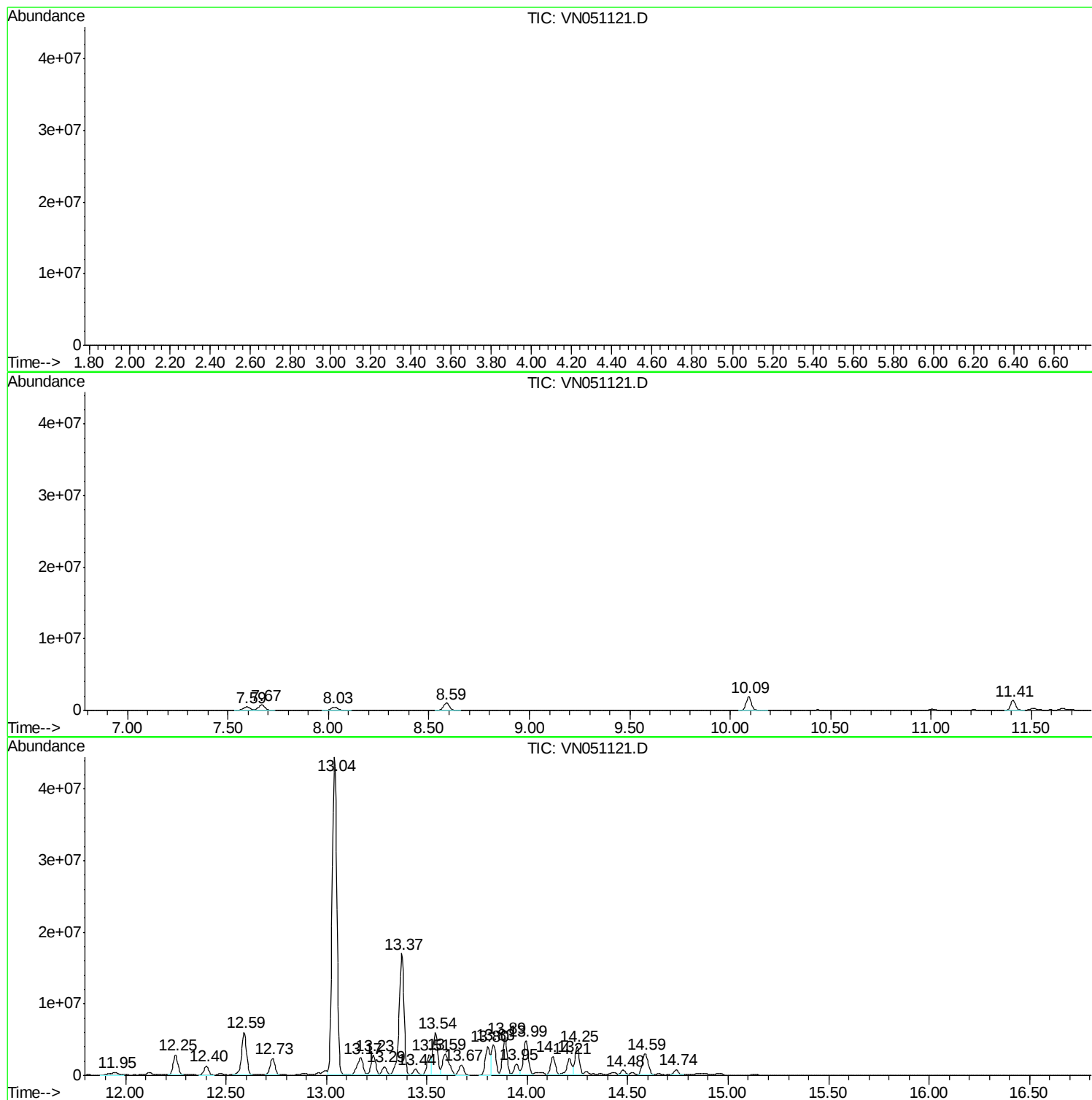
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091118\
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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ClientSampleId :
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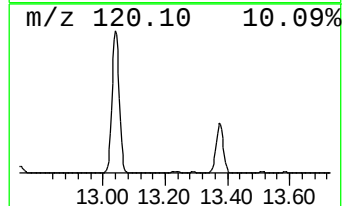
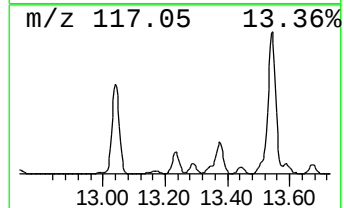
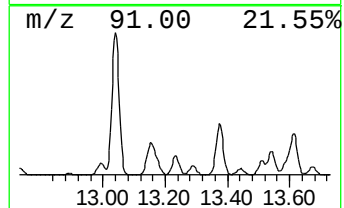
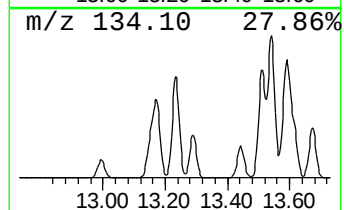
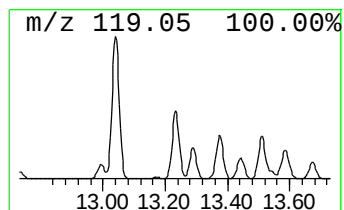
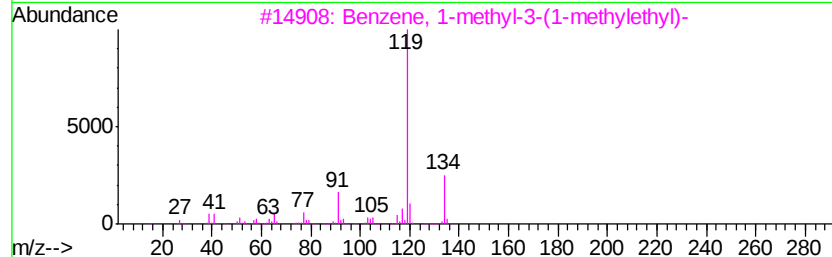
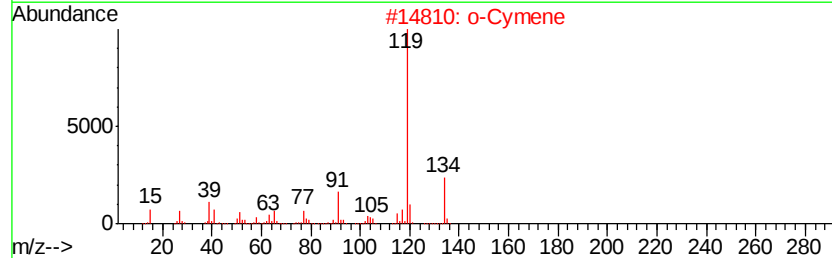
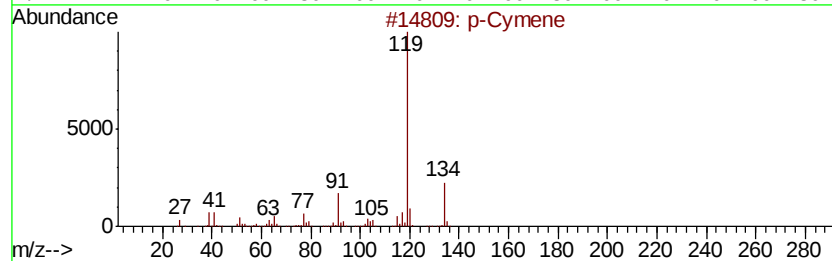
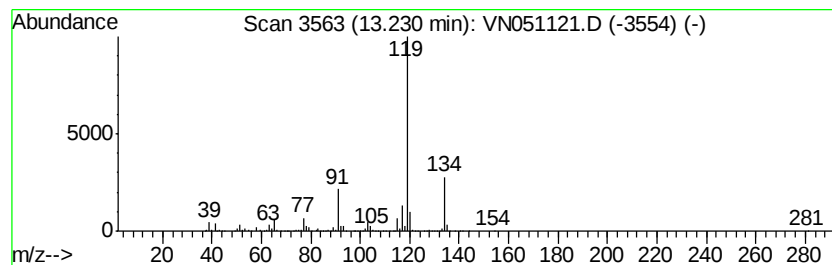
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

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

Peak Number 1 p-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	6.96 ug/l	3995440	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	97
2		o-Cymene	134	C10H14	000527-84-4	97
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	97
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



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ALS Vial : 13 Sample Multiplier: 1

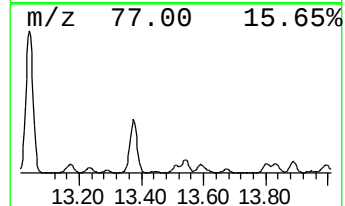
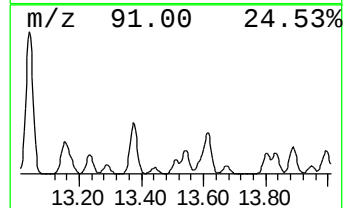
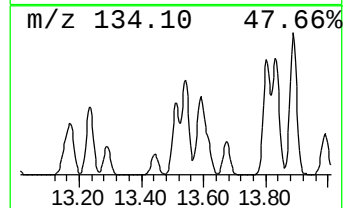
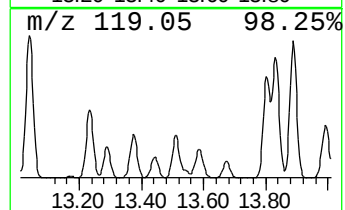
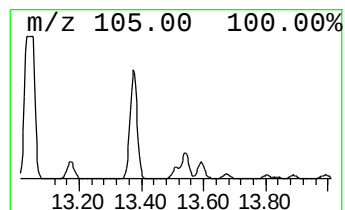
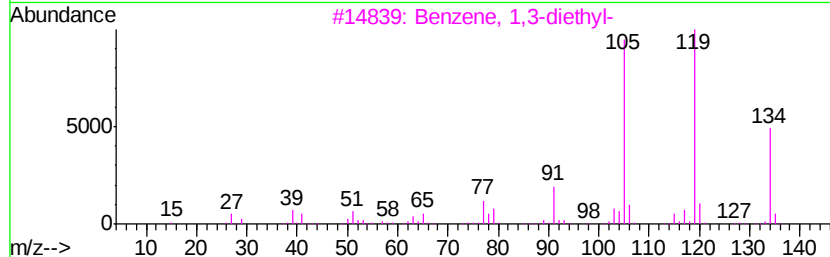
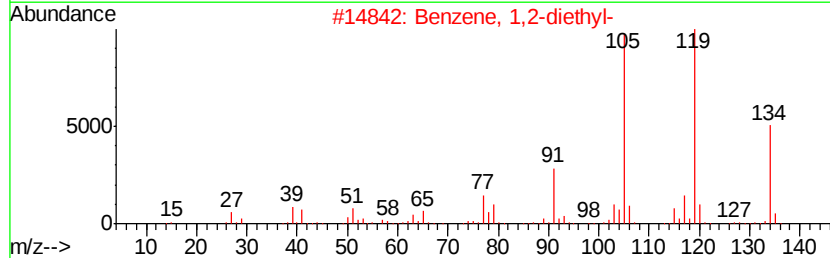
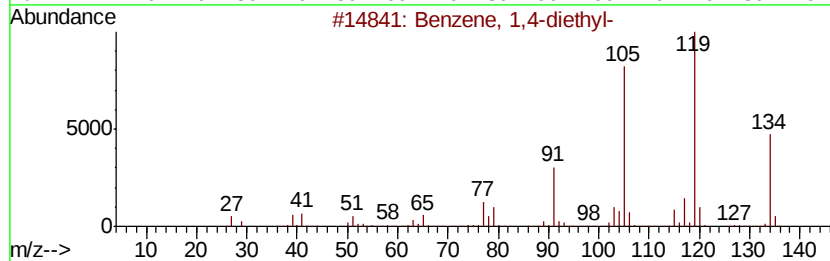
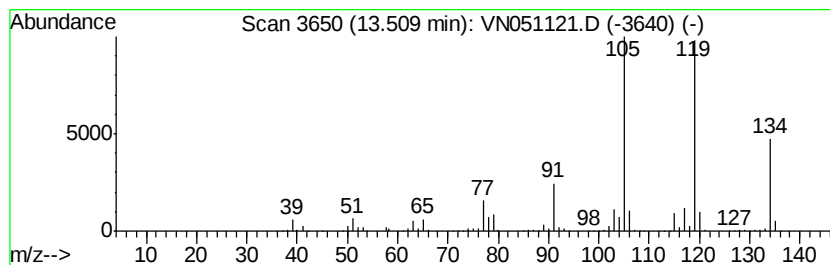
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-E

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	7.19 ug/l	4125240	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,4-diethyl-	134 C10H14	000105-05-5 96
2		Benzene, 1,2-diethyl-	134 C10H14	000135-01-3 96
3		Benzene, 1,3-diethyl-	134 C10H14	000141-93-5 96
4		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 91
5		Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2 91



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ALS Vial : 13 Sample Multiplier: 1

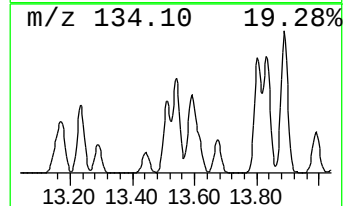
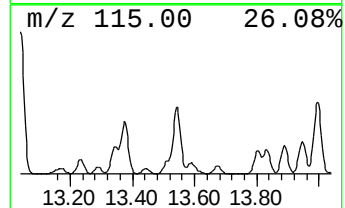
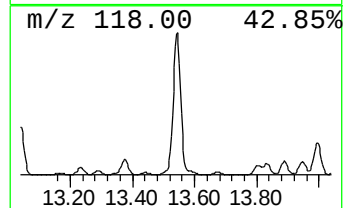
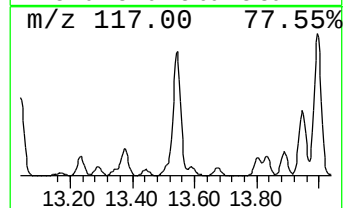
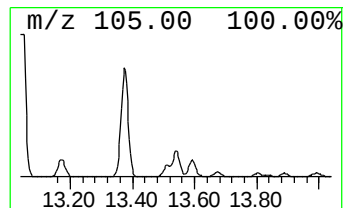
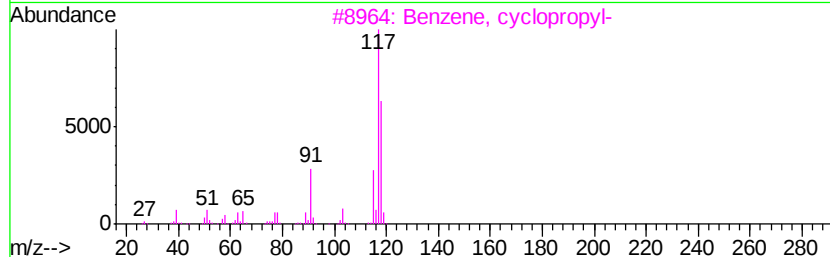
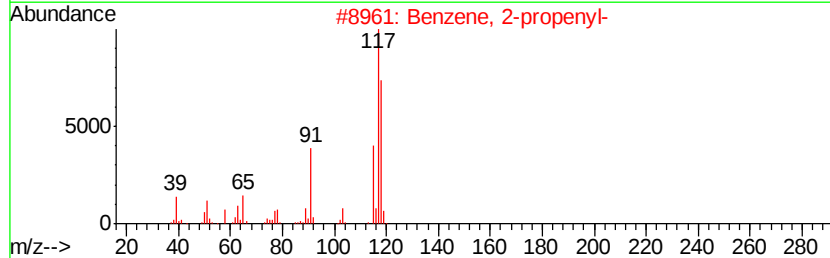
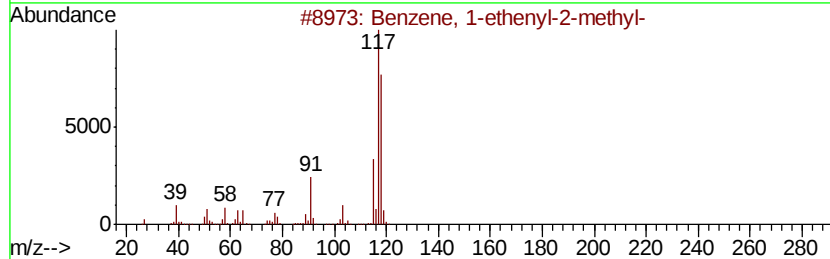
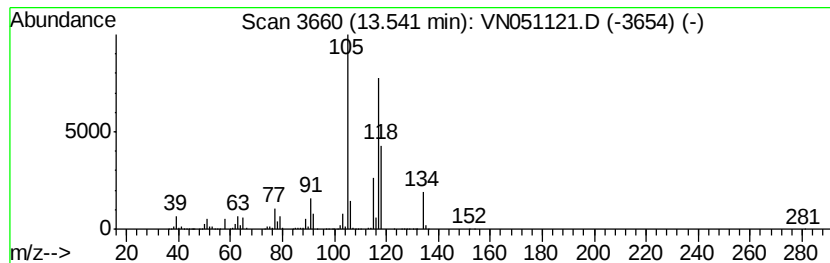
Instrument :
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ClientSampleId :
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Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	16.27 ug/l	9339380	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4 64
2		Benzene, 2-propenyl-	118 C9H10	000300-57-2 64
3		Benzene, cyclopropyl-	118 C9H10	000873-49-4 64
4		Indane	118 C9H10	000496-11-7 60
5		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118 C9H10	1000191-13-7 49



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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-E

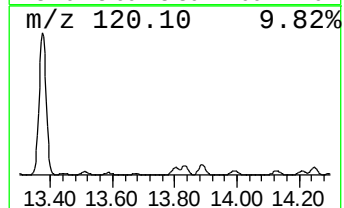
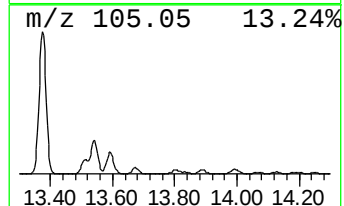
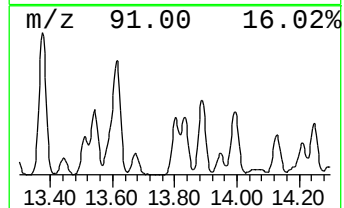
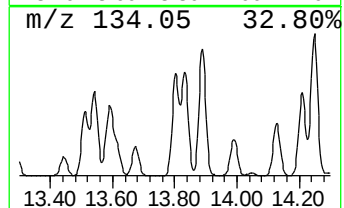
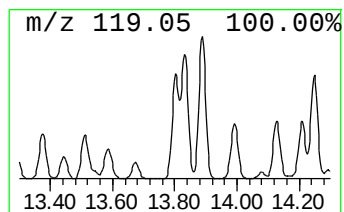
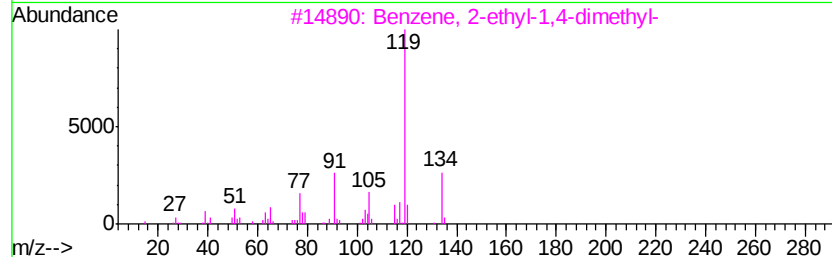
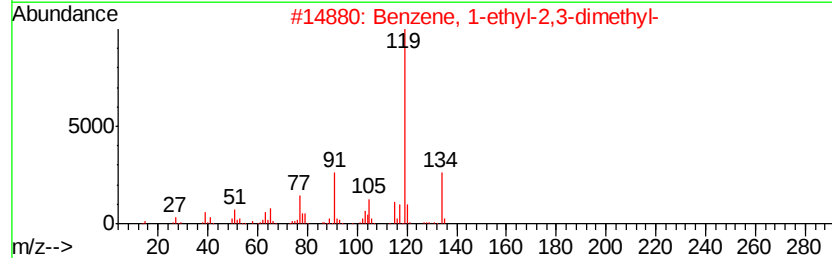
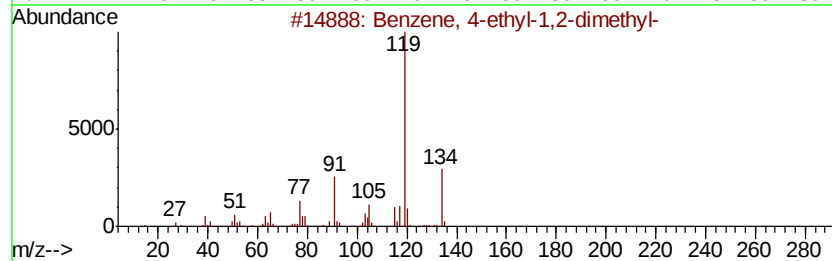
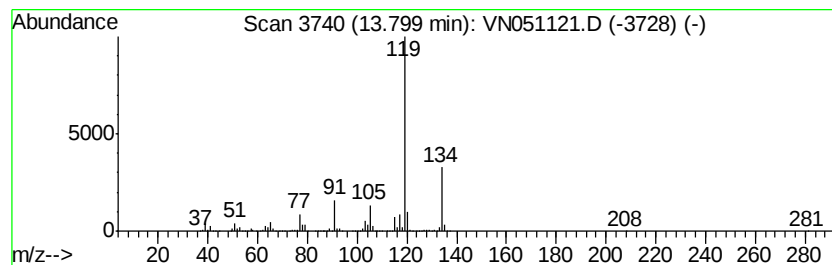
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	11.45 ug/l	6572950	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



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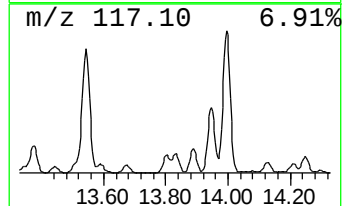
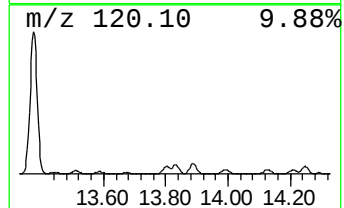
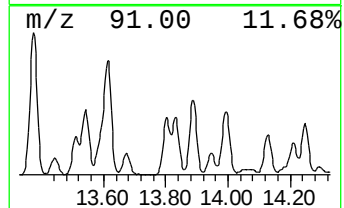
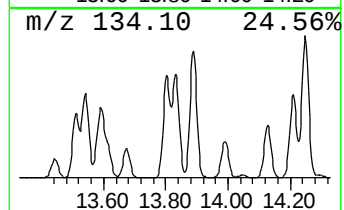
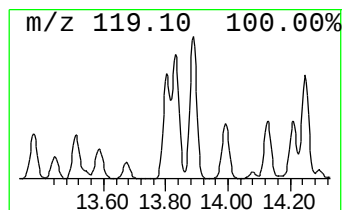
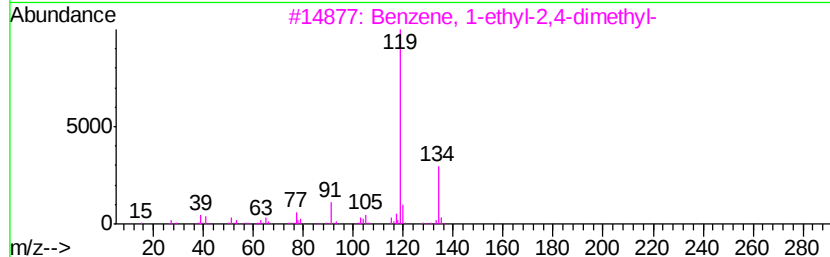
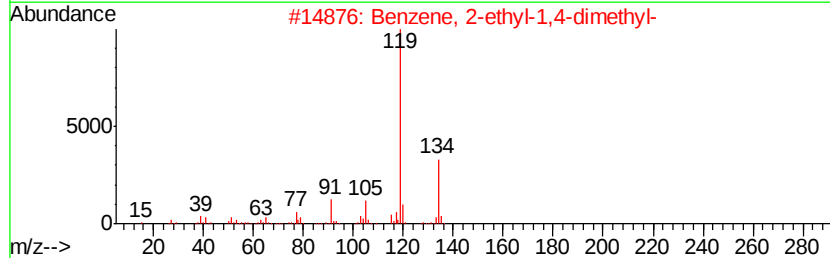
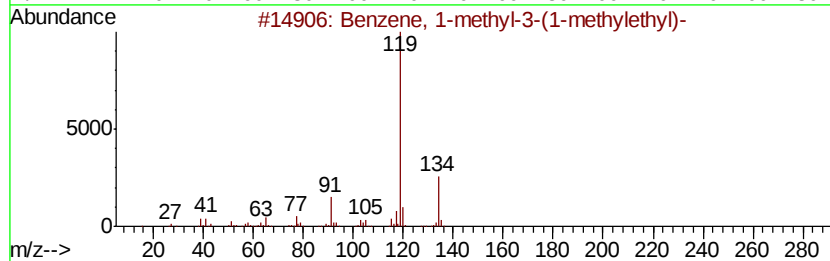
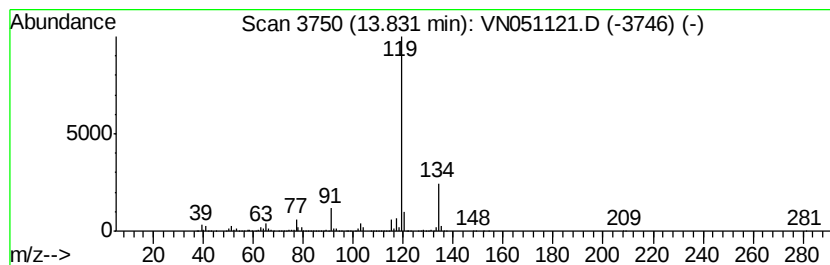
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	10.59 ug/l	6079900	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 94
2		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 94
3		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 94
4		Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3 91
5		Benzene, 1-ethyl-3,5-dimethyl-	134 C10H14	000934-74-7 91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051121.D
Acq On : 11 Sep 2018 12:44
Operator : MD\SY
Sample : J4849-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

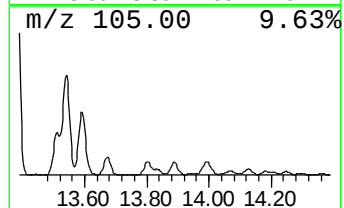
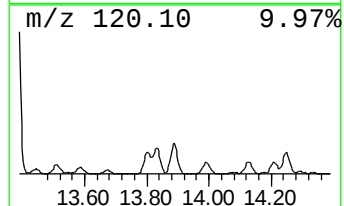
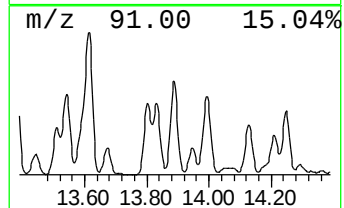
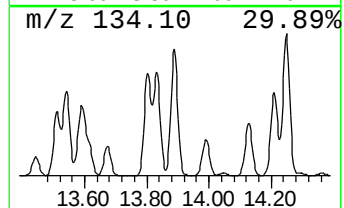
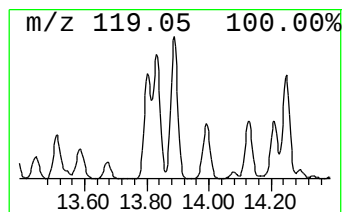
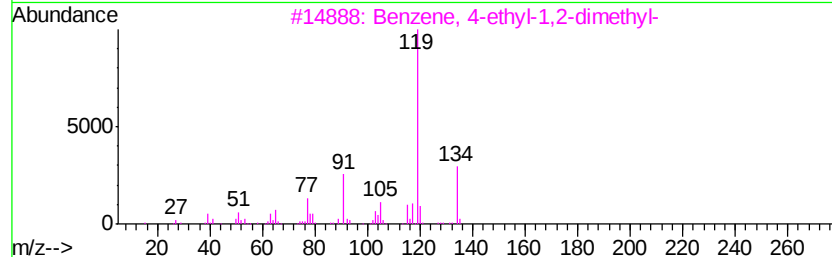
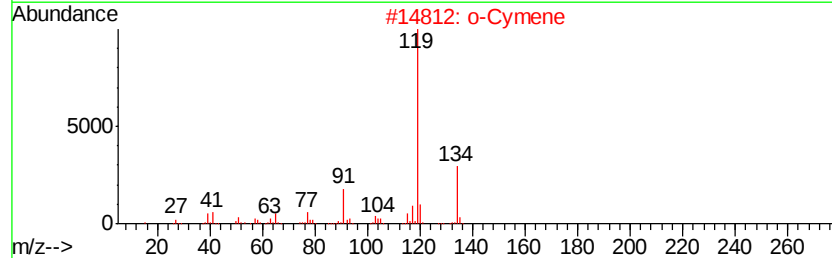
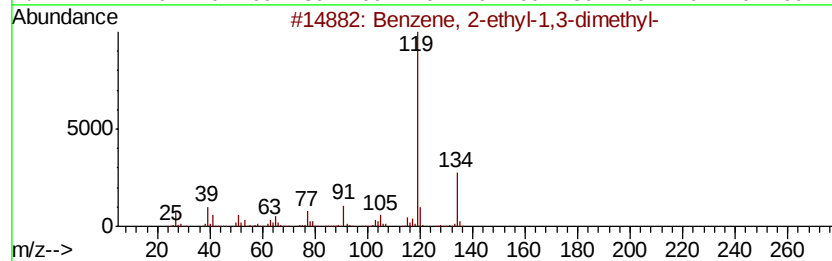
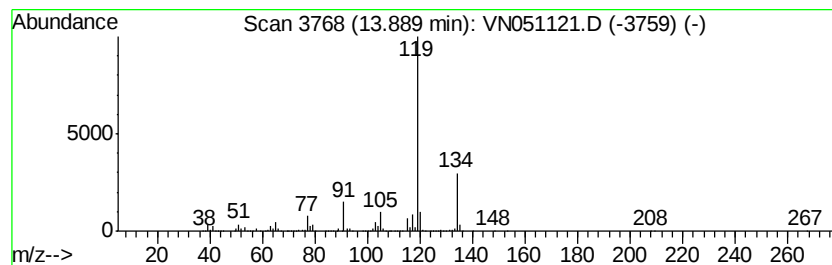
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

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

Peak Number 6 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	13.64 ug/l	7830850	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4	95
2	o-Cymene	134 C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051121.D
Acq On : 11 Sep 2018 12:44
Operator : MD\SY
Sample : J4849-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-E

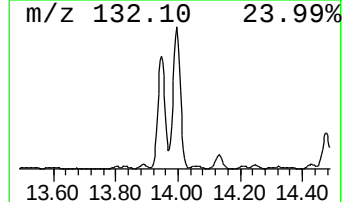
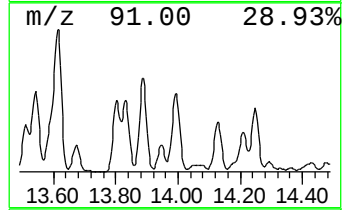
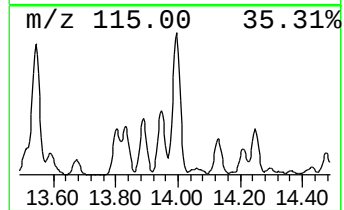
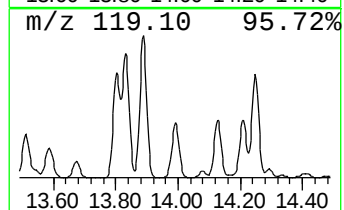
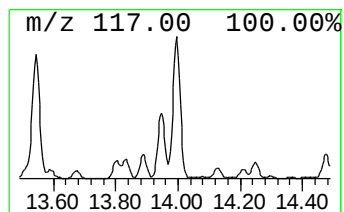
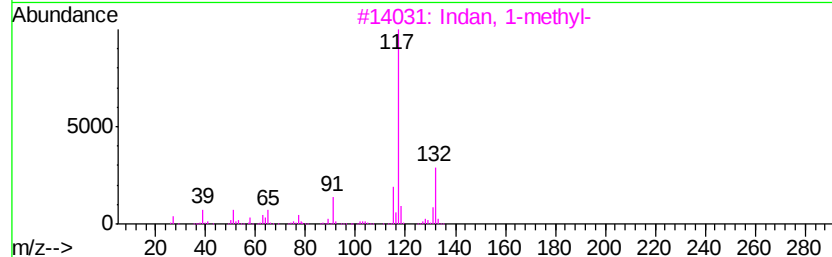
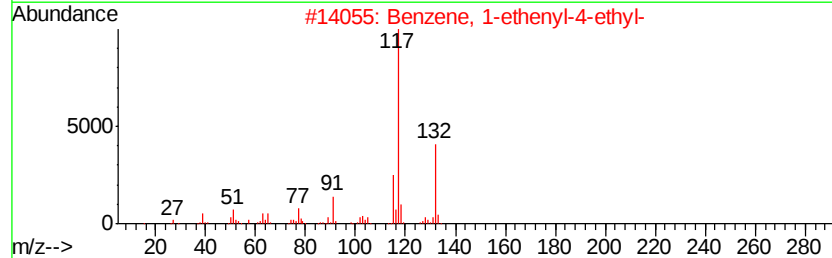
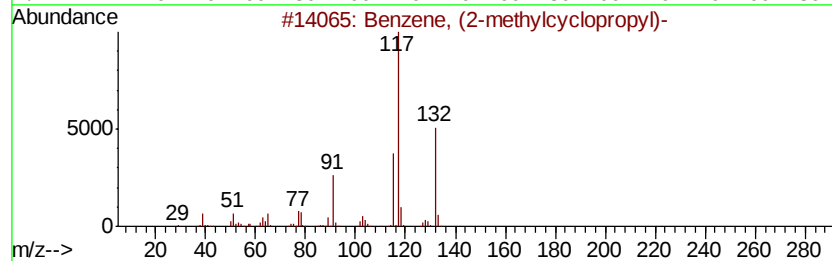
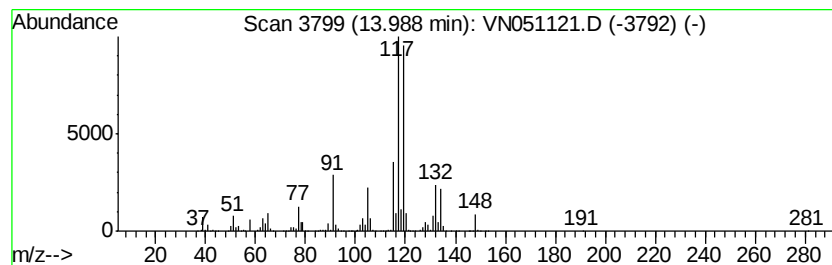
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (2-methylcycloprop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	13.56 ug/l	7782640	1,4-Dichlorobenzene-d4	13.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	55
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55
3		Indan, 1-methyl-	132	C10H12	000767-58-8	55
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	49
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	49



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051121.D
Acq On : 11 Sep 2018 12:44
Operator : MD\SY
Sample : J4849-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-E

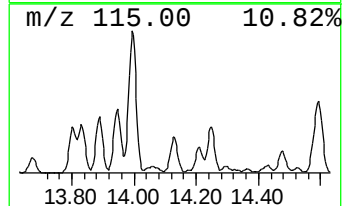
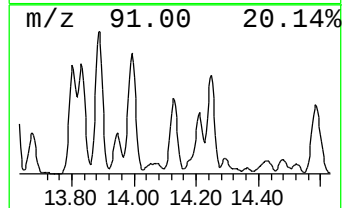
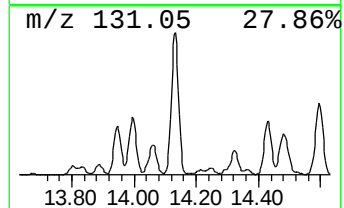
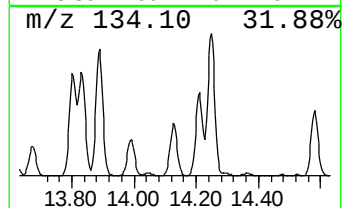
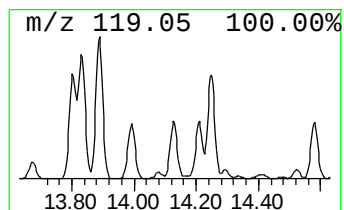
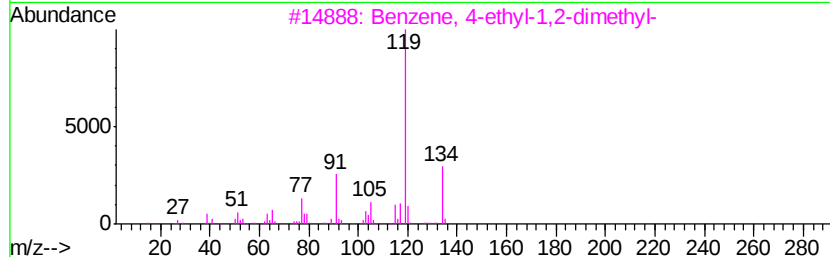
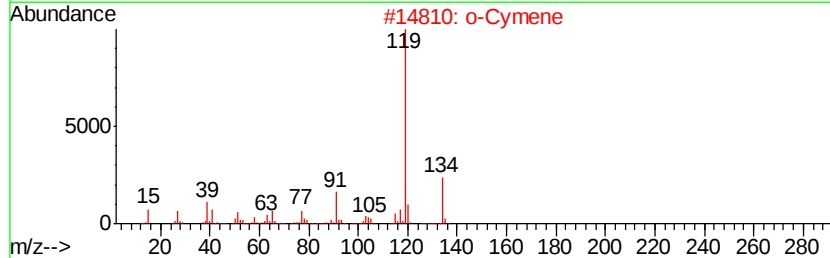
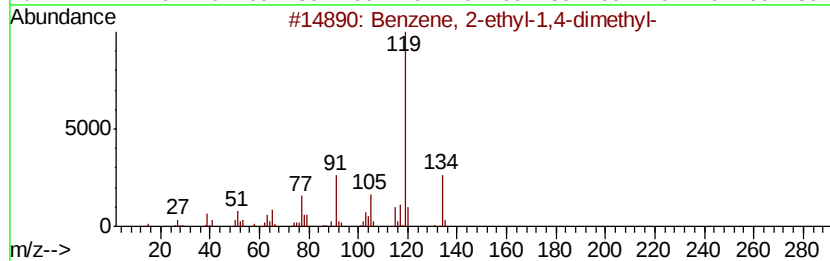
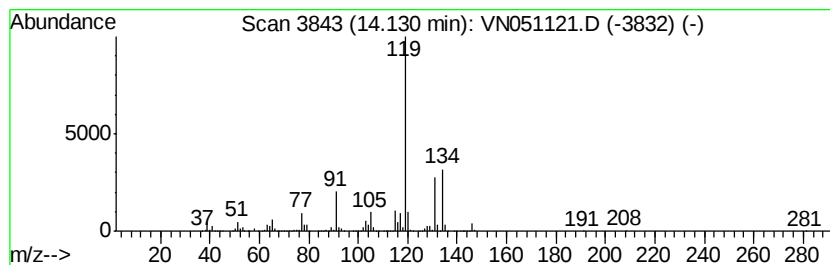
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.70 ug/l	3844830	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091118\
Data File : VN051121.D
Acq On : 11 Sep 2018 12:44
Operator : MD\SY
Sample : J4849-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-E

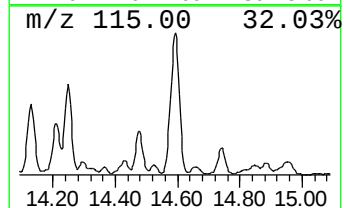
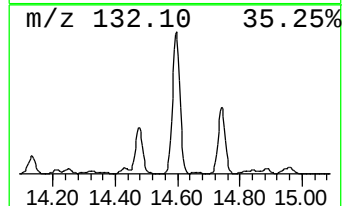
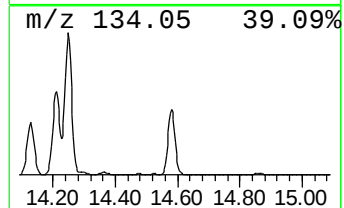
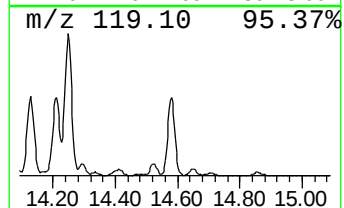
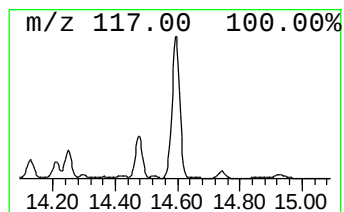
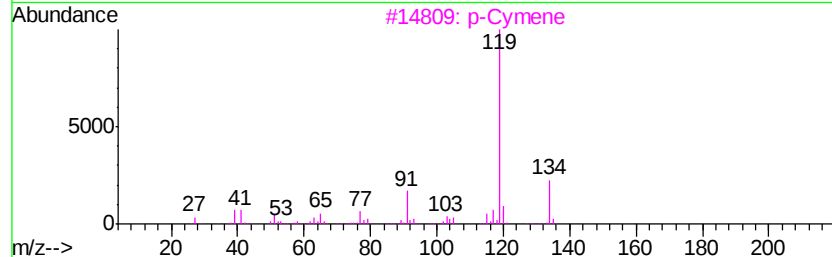
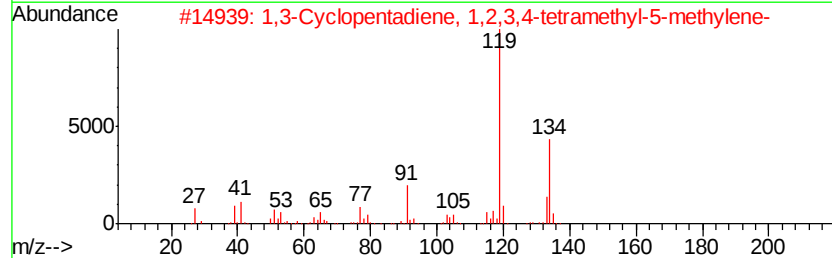
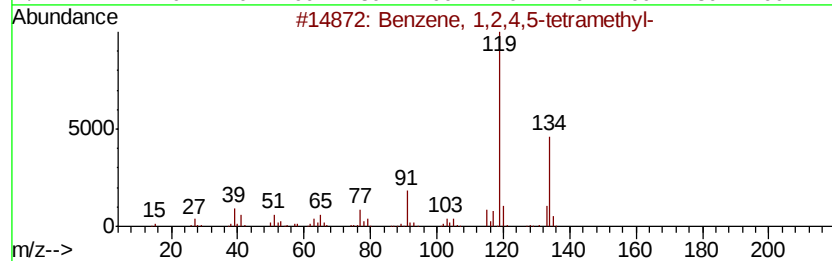
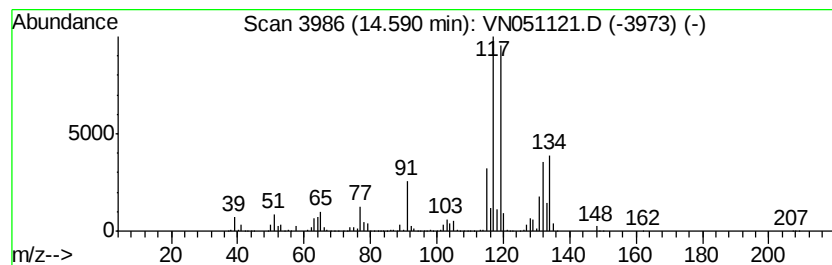
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	10.65 ug/l	6112050	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
3		p-Cymene	134	C10H14	000099-87-6	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:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091118\
Data File : VN051121.D
Acq On : 11 Sep 2018 12:44
Operator : MD\SY
Sample : J4849-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-E

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
p-Cymene	13.23	7.0	ug/l	3995440	4	13.35	28702900	50.0
Benzene, 1,4-diet...	13.51	7.2	ug/l	4125240	4	13.35	28702900	50.0
Benzene, 1-etheny...	13.54	16.3	ug/l	9339380	4	13.35	28702900	50.0
Benzene, 4-ethyl-...	13.80	11.4	ug/l	6572950	4	13.35	28702900	50.0
Benzene, 1-methyl...	13.83	10.6	ug/l	6079900	4	13.35	28702900	50.0
Benzene, 2-ethyl-...	13.89	13.6	ug/l	7830850	4	13.35	28702900	50.0
Benzene, (2-methy...	13.99	13.6	ug/l	7782640	4	13.35	28702900	50.0
Benzene, 2-ethyl-...	14.13	6.7	ug/l	3844830	4	13.35	28702900	50.0
Benzene, 1,2,4,5-...	14.59	10.7	ug/l	6112050	4	13.35	28702900	50.0