

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050822.D
 Acq On : 22 Aug 2018 16:16
 Operator : MD\SY
 Sample : J4586-02 10X
 Misc : 6.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-240-UST-SLUDGE

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\82N082118W.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	1.657	3	21	41	rBV	778790	1287197	7.38%	0.720%
2	4.593	899	934	962	rBV6	55845	269387	1.55%	0.151%
3	5.571	1217	1238	1266	rVB3	60764	189253	1.09%	0.106%
4	6.628	1547	1567	1585	rBV3	100040	309575	1.78%	0.173%
5	7.593	1844	1867	1877	rBV	568173	1440008	8.26%	0.805%
6	7.667	1878	1890	1906	rVB	972164	2377306	13.64%	1.329%
7	7.876	1939	1955	1967	rBV3	88098	214544	1.23%	0.120%
8	8.033	1986	2004	2026	rBV3	857186	2243262	12.87%	1.254%
9	8.439	2118	2130	2153	rVB	148102	359293	2.06%	0.201%
10	8.586	2160	2176	2203	rBV	1338993	2971834	17.05%	1.661%
11	8.860	2238	2261	2284	rVB9	45822	180470	1.04%	0.101%
12	9.082	2302	2330	2343	rBV2	454047	1115910	6.40%	0.624%
13	9.519	2455	2466	2477	rVB3	94845	183351	1.05%	0.102%
14	9.615	2486	2496	2502	rBV2	95664	177496	1.02%	0.099%
15	9.664	2504	2511	2521	rVV6	107962	224200	1.29%	0.125%
16	9.728	2522	2531	2556	rVB5	130636	354922	2.04%	0.198%
17	9.869	2558	2575	2595	rBV4	102341	269899	1.55%	0.151%
18	10.091	2630	2644	2654	rBV	2497804	4607507	26.43%	2.575%
19	10.156	2654	2664	2679	rVB	4001303	7241576	41.54%	4.048%
20	10.284	2689	2704	2717	rVB3	288709	636530	3.65%	0.356%
21	10.522	2768	2778	2801	rVB6	144490	338839	1.94%	0.189%
22	11.008	2921	2929	2938	rVB2	119282	190312	1.09%	0.106%
23	11.201	2981	2989	3010	rVB6	187391	446007	2.56%	0.249%
24	11.300	3012	3020	3040	rVB	168426	335852	1.93%	0.188%
25	11.410	3042	3054	3072	rBV	1763007	3120900	17.90%	1.745%
26	11.512	3074	3086	3102	rVB	2636951	4474991	25.67%	2.501%
27	11.618	3104	3119	3140	rVV	9152004	17433378	100.00%	9.745%
28	11.946	3211	3221	3242	rVB	4676822	8401579	48.19%	4.696%
29	12.249	3307	3315	3324	rBV	385509	598130	3.43%	0.334%
30	12.403	3354	3363	3372	rVB	1468045	2283812	13.10%	1.277%
31	12.590	3415	3421	3431	rVB	1478128	2409539	13.82%	1.347%
32	12.654	3431	3441	3448	rBV	4962439	8162470	46.82%	4.563%
33	12.731	3458	3465	3501	rVB2	4408097	7842052	44.98%	4.384%
34	12.892	3503	3515	3529	rBV	1956392	3589714	20.59%	2.007%

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Integrator: RTE
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35	12.963	3530	3537	3548	rVV	676138	1044071	5.99%	0.584%
36	13.040	3549	3561	3572	rVV	9795913	15221996	87.32%	8.509%
37	13.091	3572	3577	3586	rVB	274829	380000	2.18%	0.212%
38	13.149	3587	3595	3609	rBV5	290969	721294	4.14%	0.403%
39	13.236	3614	3622	3630	rVV2	631774	1149243	6.59%	0.642%
40	13.287	3631	3638	3644	rVV2	559137	953671	5.47%	0.533%
41	13.345	3645	3656	3659	rVV	2199895	3648891	20.93%	2.040%
42	13.374	3661	3665	3675	rVV	3005330	4416570	25.33%	2.469%
43	13.422	3676	3680	3693	rVB3	311242	474659	2.72%	0.265%
44	13.541	3700	3717	3724	rBV	2892914	5656241	32.44%	3.162%
45	13.583	3724	3730	3745	rVV4	2324847	4429709	25.41%	2.476%
46	13.673	3746	3758	3766	rVV2	2295612	3841821	22.04%	2.147%
47	13.737	3767	3778	3788	rVV2	672803	1458147	8.36%	0.815%
48	13.802	3790	3798	3802	rVV	1245248	1858837	10.66%	1.039%
49	13.834	3804	3808	3816	rVV	1426608	1887136	10.82%	1.055%
50	13.889	3817	3825	3834	rVB	2224610	3277895	18.80%	1.832%
51	13.943	3835	3842	3849	rBV2	364854	519931	2.98%	0.291%
52	13.995	3849	3858	3868	rBV2	1666516	2551227	14.63%	1.426%
53	14.130	3891	3900	3908	rBV2	626509	1094587	6.28%	0.612%
54	14.210	3917	3925	3931	rBV	1020429	1612501	9.25%	0.901%
55	14.249	3931	3937	3945	rVB	1664972	2403648	13.79%	1.344%
56	14.297	3945	3952	3958	rBV2	682113	913945	5.24%	0.511%
57	14.335	3959	3964	3976	rVB3	466304	691530	3.97%	0.387%
58	14.435	3988	3995	4000	rBV2	397853	537179	3.08%	0.300%
59	14.477	4000	4008	4017	rVV2	1384407	2381347	13.66%	1.331%
60	14.525	4018	4023	4031	rVB	848549	1173579	6.73%	0.656%
61	14.593	4031	4044	4055	rBV4	2660096	5814372	33.35%	3.250%
62	14.654	4056	4063	4074	rVB3	780845	1389397	7.97%	0.777%
63	14.741	4083	4090	4099	rVB	530622	807080	4.63%	0.451%
64	14.850	4106	4124	4131	rBV5	1076048	2702092	15.50%	1.510%
65	14.962	4148	4159	4171	rVB2	944137	2022505	11.60%	1.131%
66	15.133	4201	4212	4225	rBV	3717269	6397074	36.69%	3.576%
67	15.239	4237	4245	4254	rVV4	419738	717662	4.12%	0.401%
68	15.290	4255	4261	4268	rVB2	206169	284808	1.63%	0.159%
69	15.419	4290	4301	4311	rBV	471135	925941	5.31%	0.518%
70	15.577	4336	4350	4357	rBV5	278021	708631	4.06%	0.396%
71	15.911	4446	4454	4467	rBV6	114254	250694	1.44%	0.140%

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Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	16.162	4520	4532	4557	rVB	2093382	4318394	24.77%	2.414%
73	16.351	4578	4591	4608	rVB	912345	1979195	11.35%	1.106%

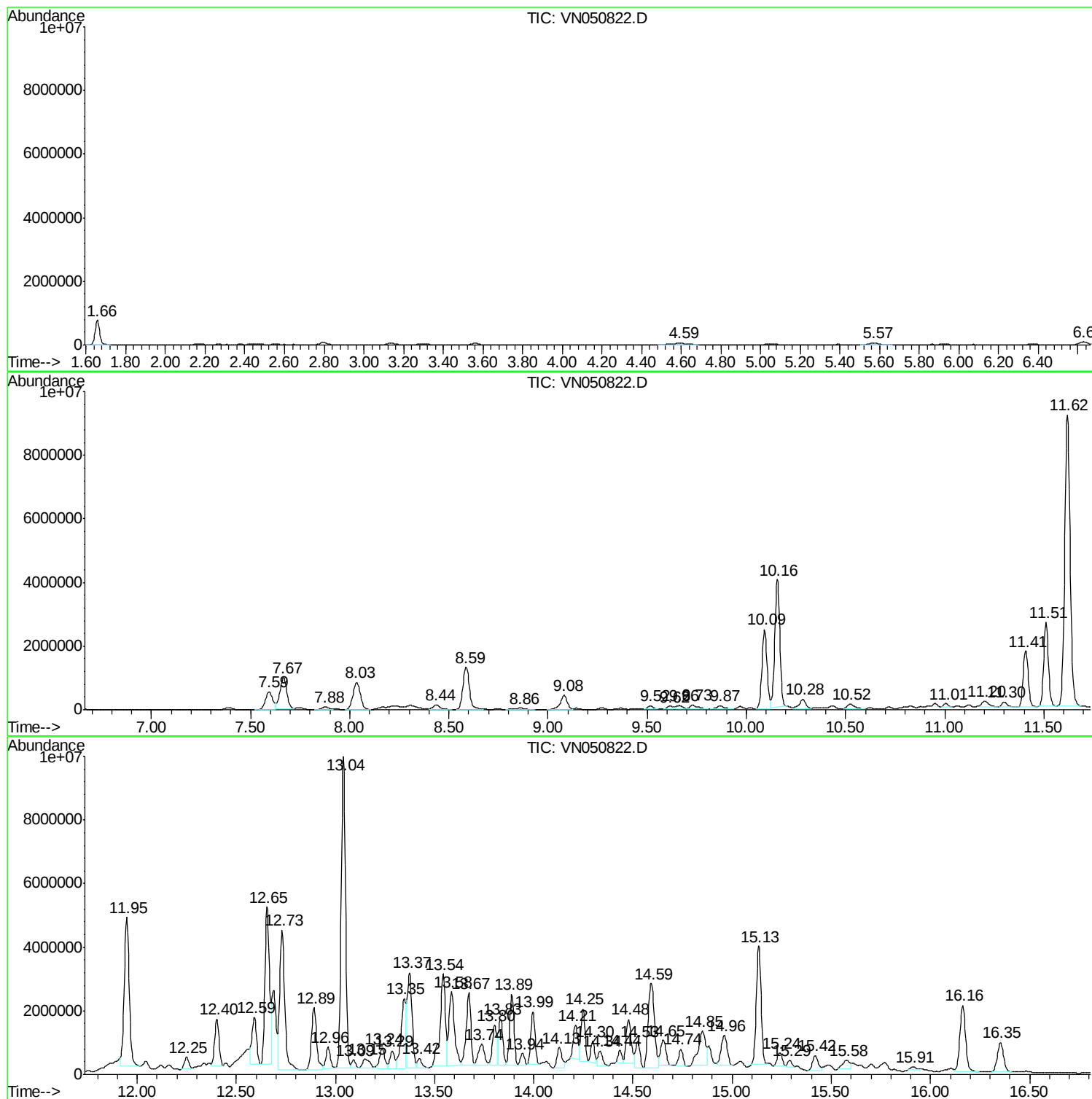
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Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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



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Instrument :
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EP1-240-UST-SLUDGE

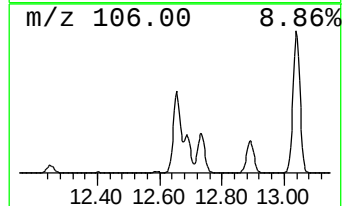
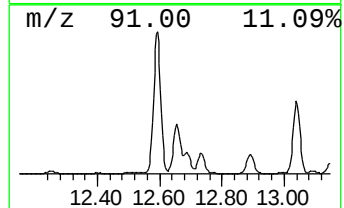
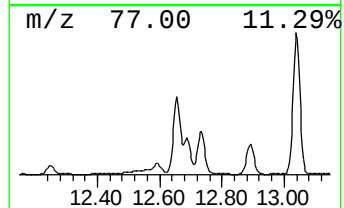
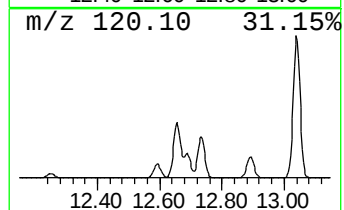
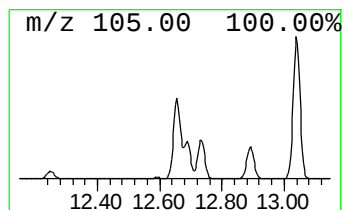
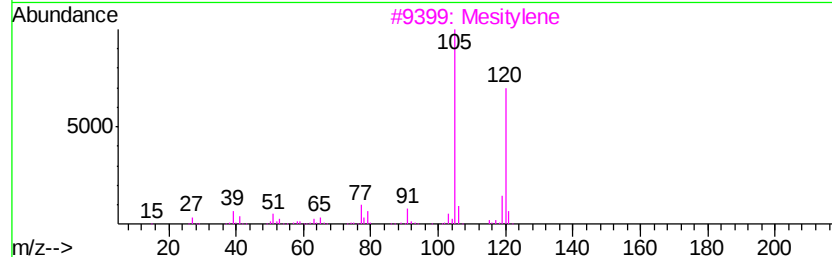
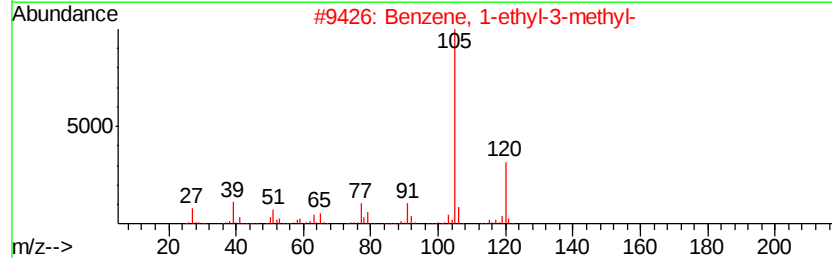
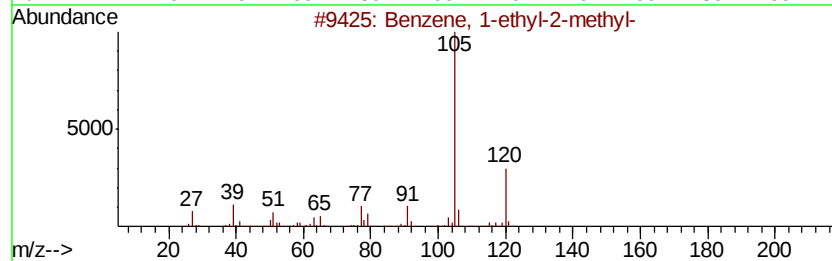
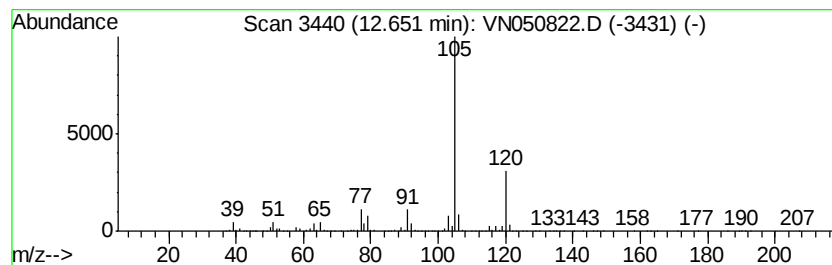
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	111.85 ug/l	8162470	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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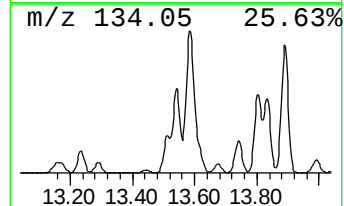
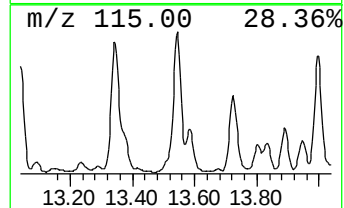
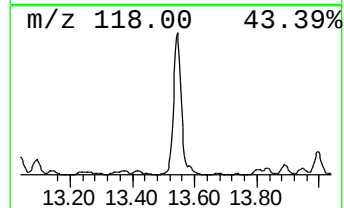
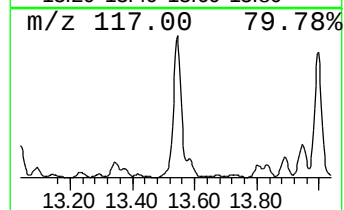
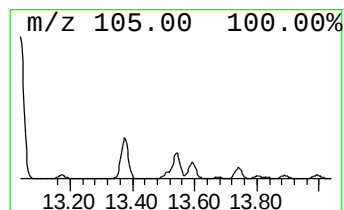
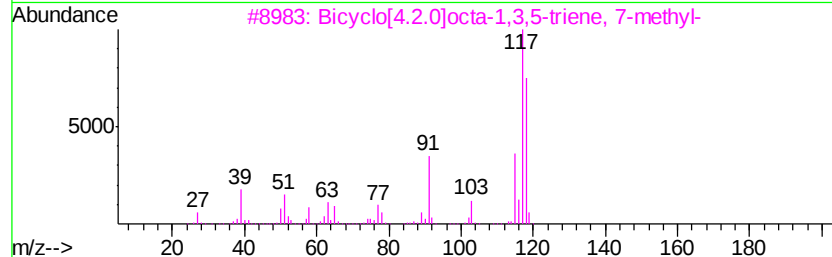
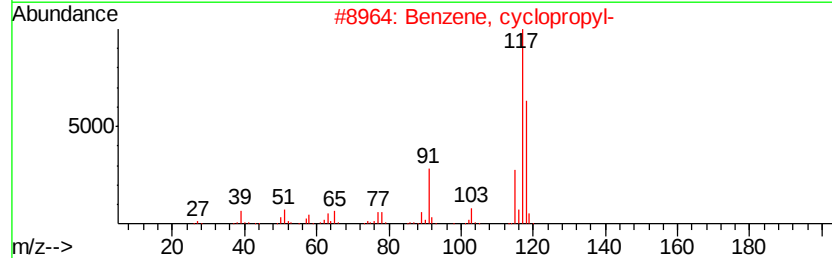
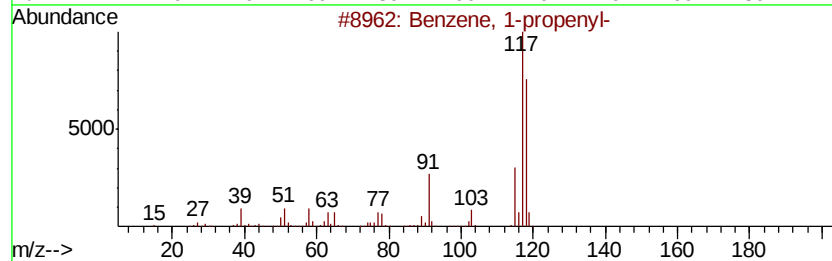
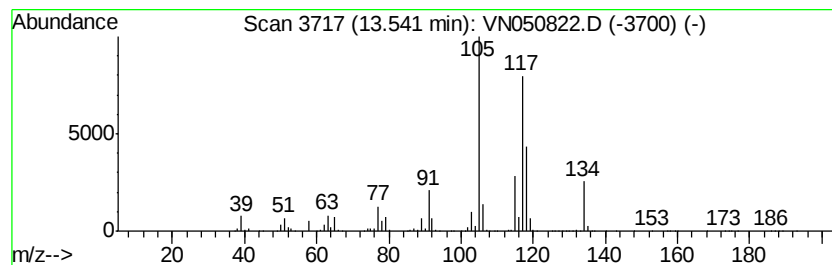
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	77.51 ug/l	5656240	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64
4		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	64
5		(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60



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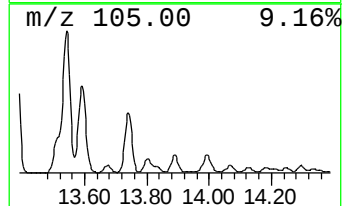
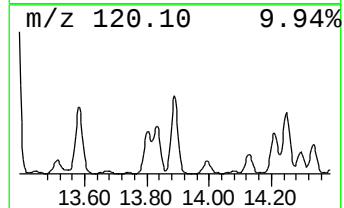
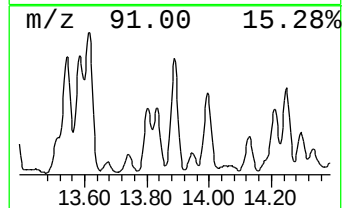
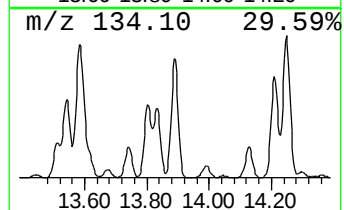
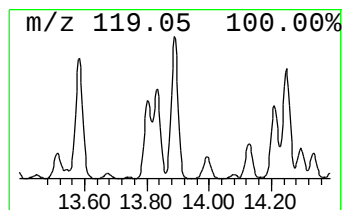
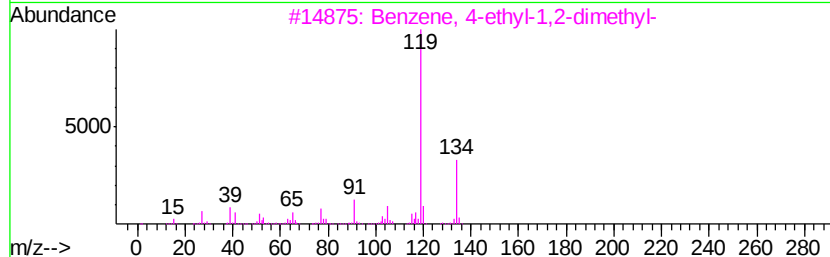
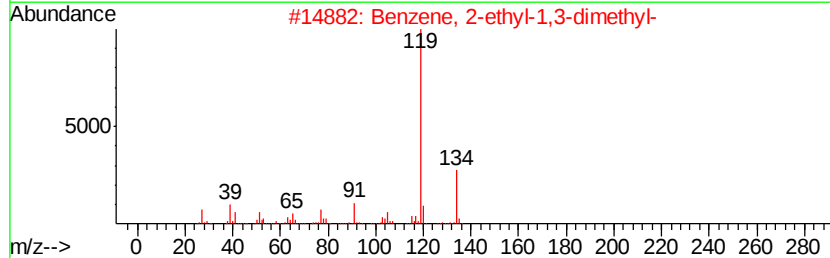
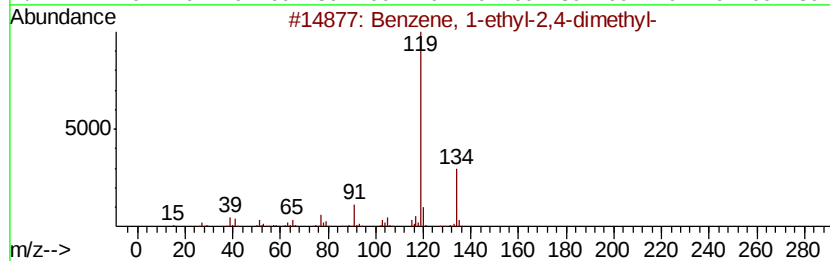
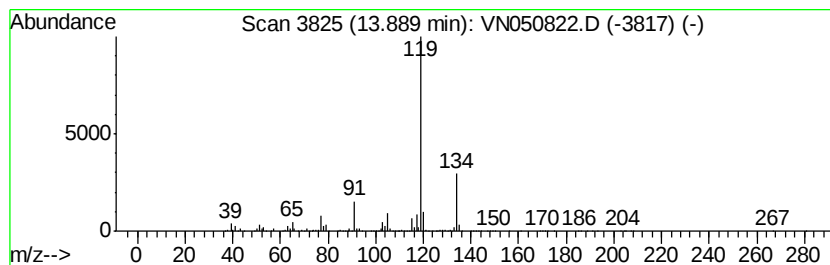
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	44.92 ug/l	3277900	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94



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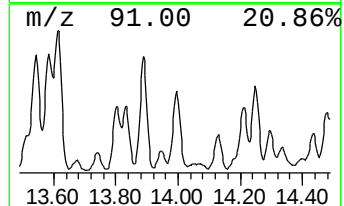
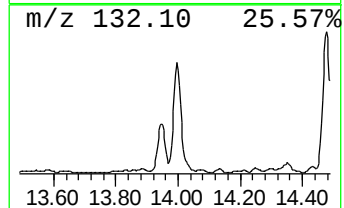
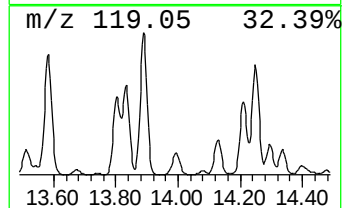
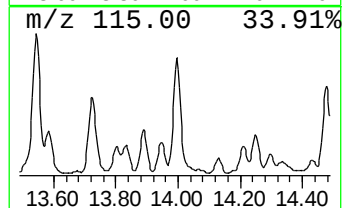
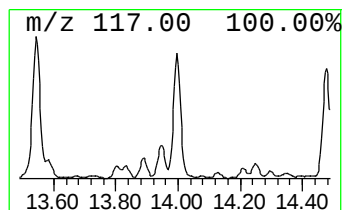
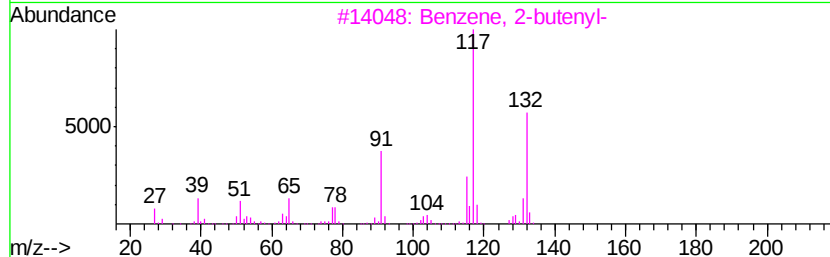
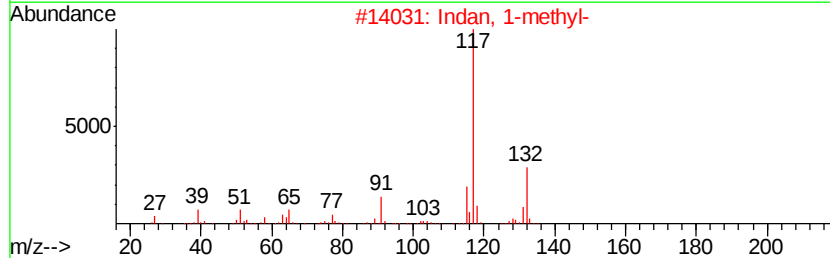
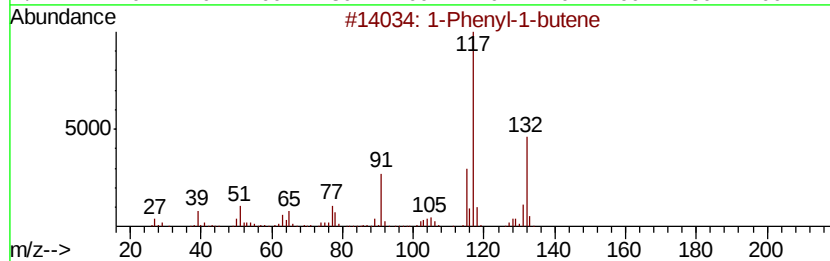
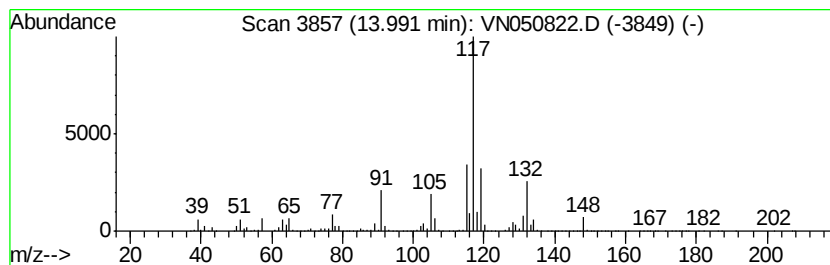
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Quant Title : SW846 8260

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

Peak Number 5 1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	34.96 ug/l	2551230	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
2		Indan, 1-methyl-	132	C10H12	000767-58-8	76
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	74
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	74



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
Data File : VN050822.D
Acq On : 22 Aug 2018 16:16
Operator : MD\SY
Sample : J4586-02 10X
Misc : 6.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

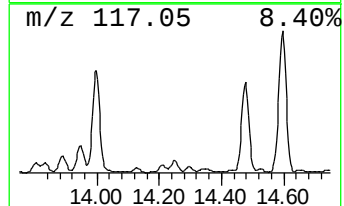
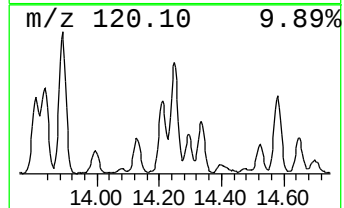
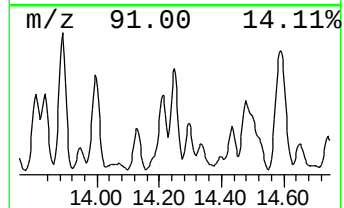
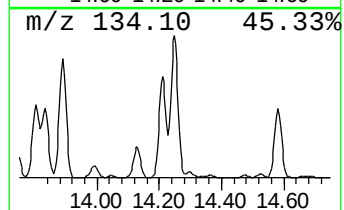
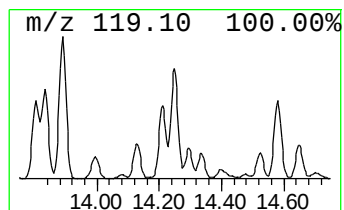
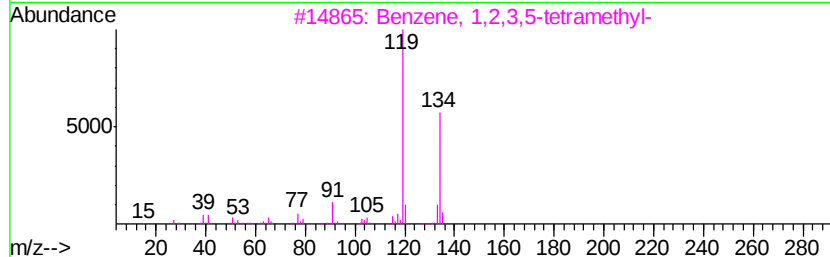
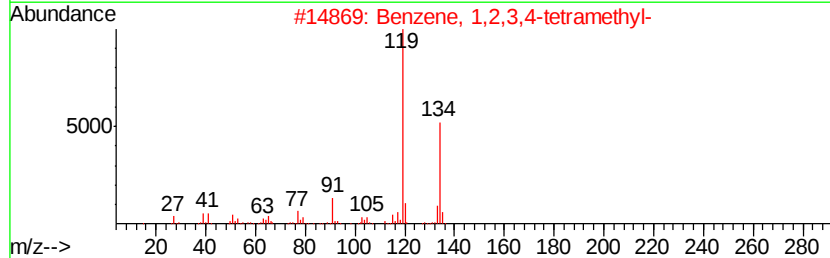
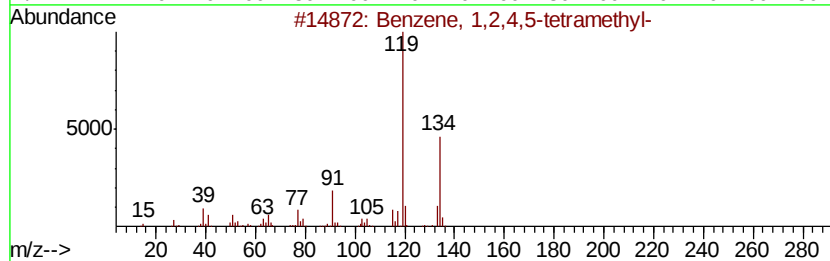
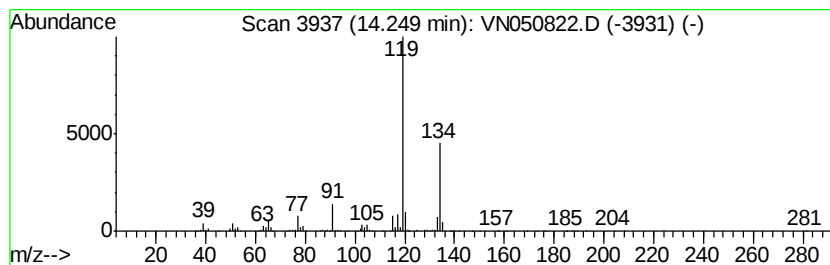
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.25	32.94 ug/l	2403650	1,4-Dichlorobenzene-d4	13.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-		134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-		134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-		134	C10H14	000527-53-7	94
4	o-Cymene		134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-		134	C10H14	000933-98-2	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
Data File : VN050822.D
Acq On : 22 Aug 2018 16:16
Operator : MD\SY
Sample : J4586-02 10X
Misc : 6.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

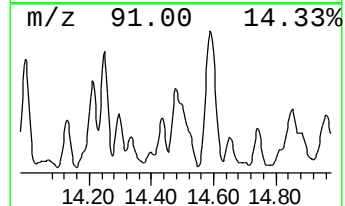
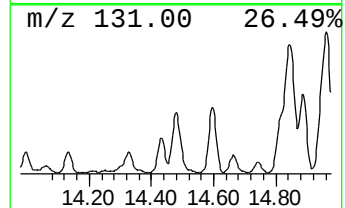
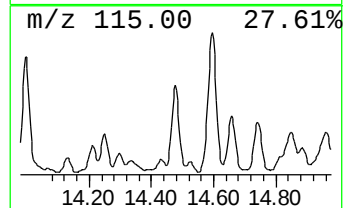
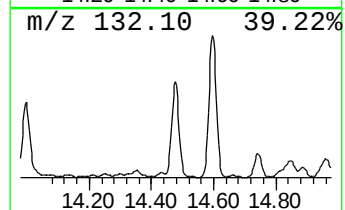
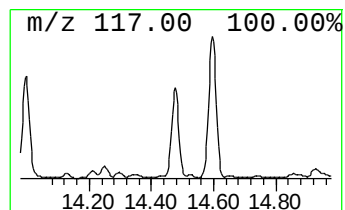
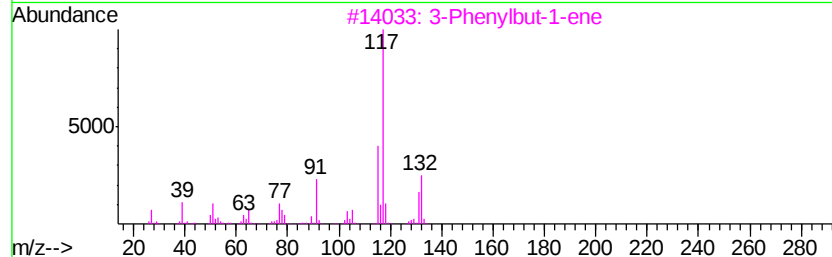
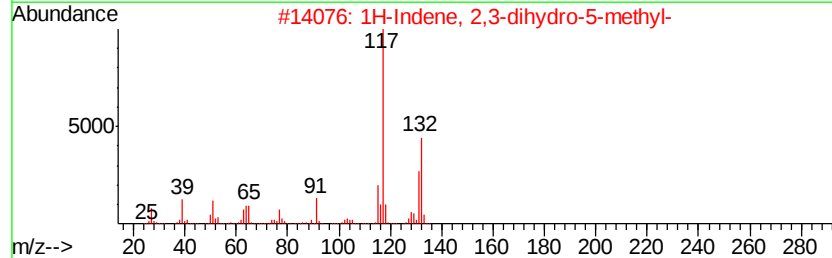
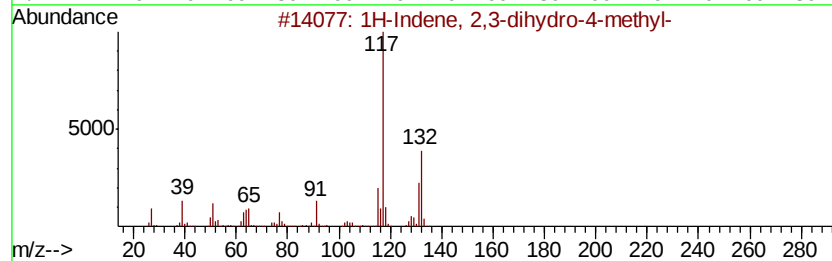
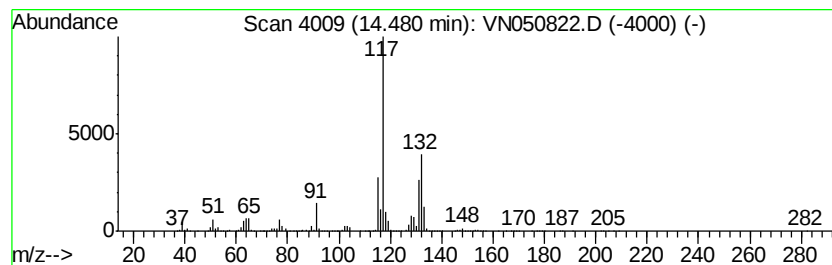
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Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	32.63 ug/l	2381350	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
4		Indan, 1-methyl-	132	C10H12	000767-58-8	81
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
Data File : VN050822.D
Acq On : 22 Aug 2018 16:16
Operator : MD\SY
Sample : J4586-02 10X
Misc : 6.61u/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

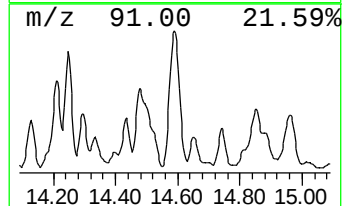
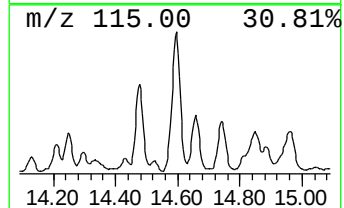
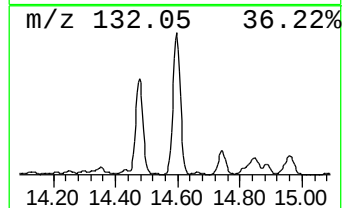
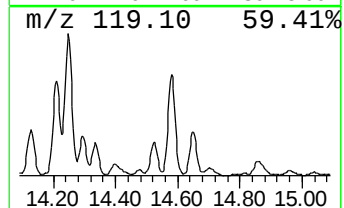
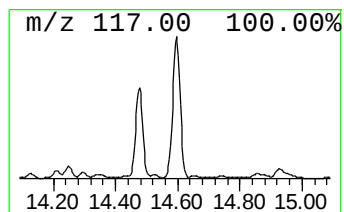
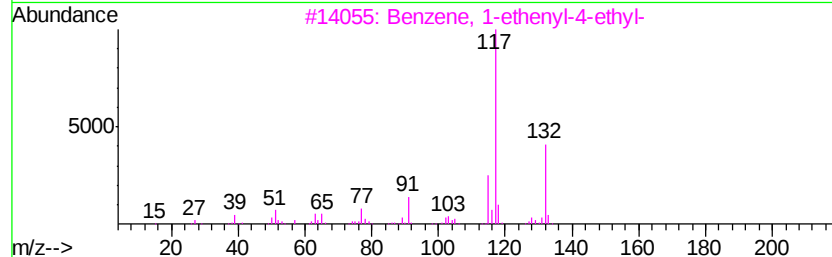
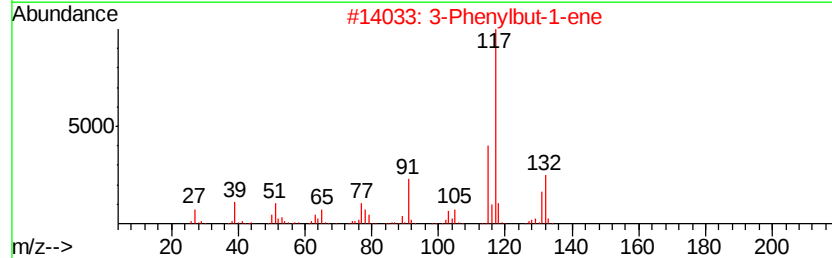
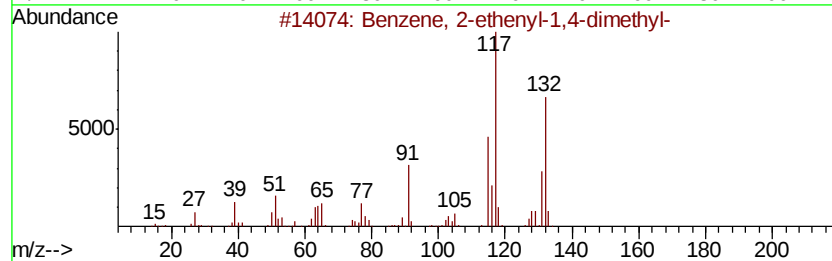
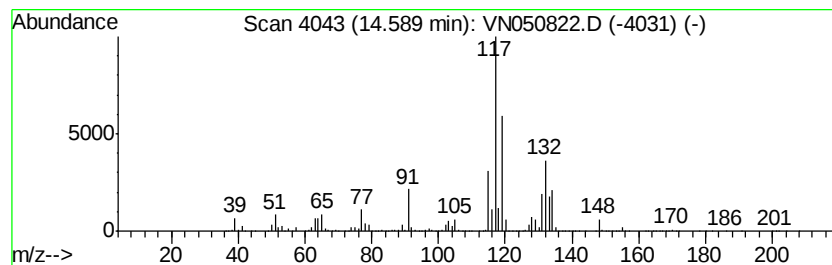
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	79.67 ug/l	5814370	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	68
5		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
Data File : VN050822.D
Acq On : 22 Aug 2018 16:16
Operator : MD\SY
Sample : J4586-02 10X
Misc : 6.61u/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

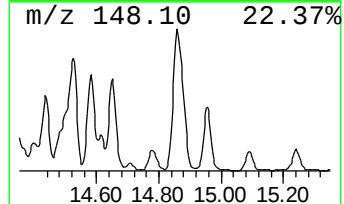
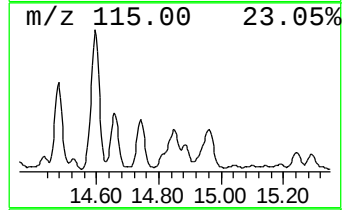
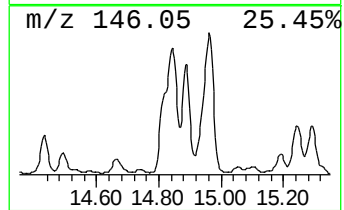
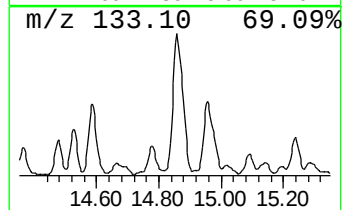
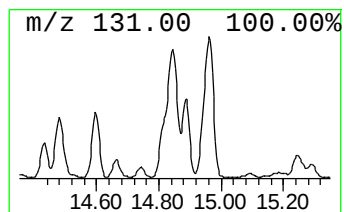
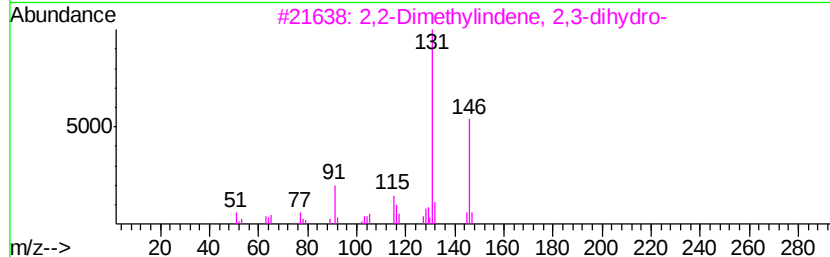
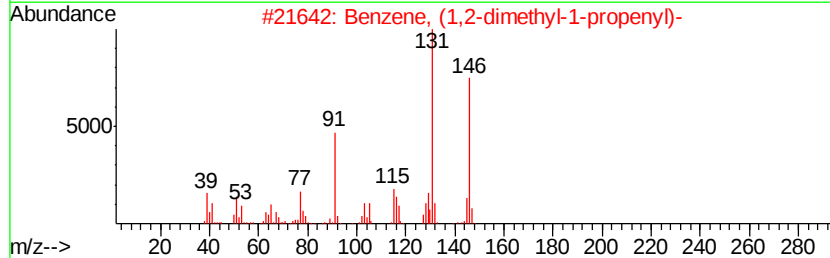
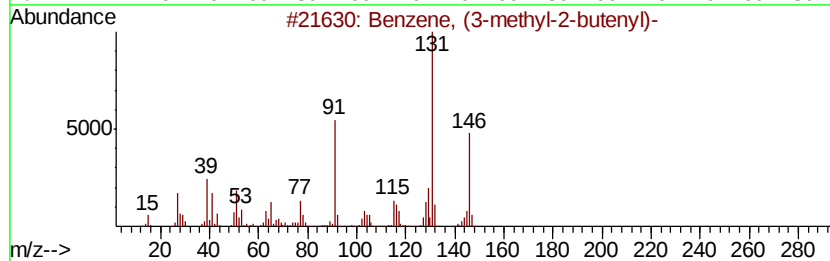
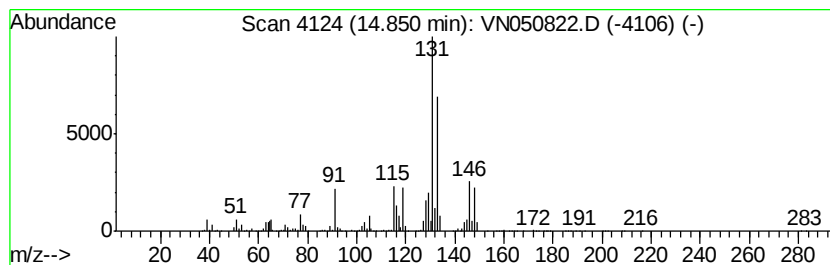
Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	37.03 ug/l	2702090	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 90
2		Benzene, (1,2-dimethyl-1-propenyl)-	146 C11H14	000769-57-3 90
3		2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7 78
4		Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6 60
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 60



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
Data File : VN050822.D
Acq On : 22 Aug 2018 16:16
Operator : MD\SY
Sample : J4586-02 10X
Misc : 6.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

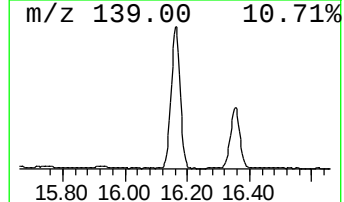
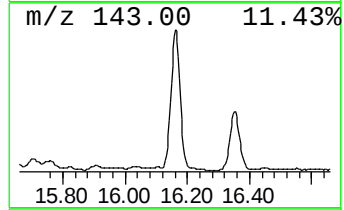
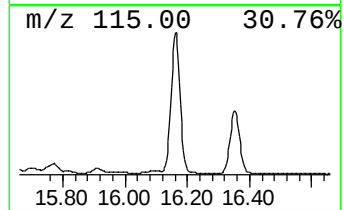
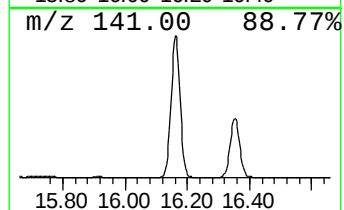
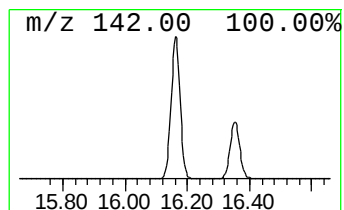
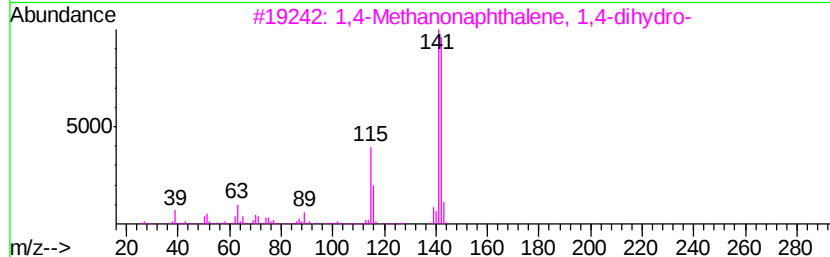
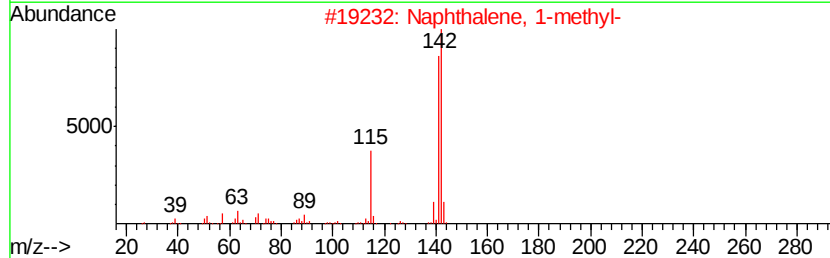
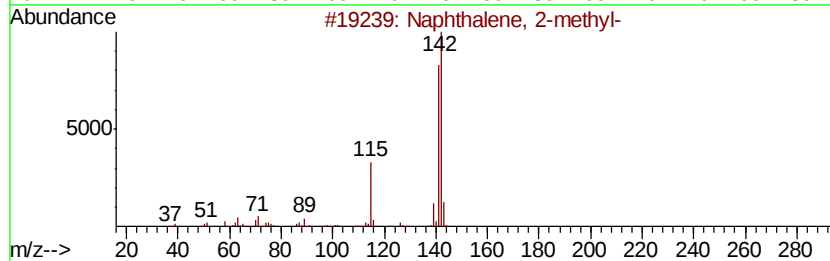
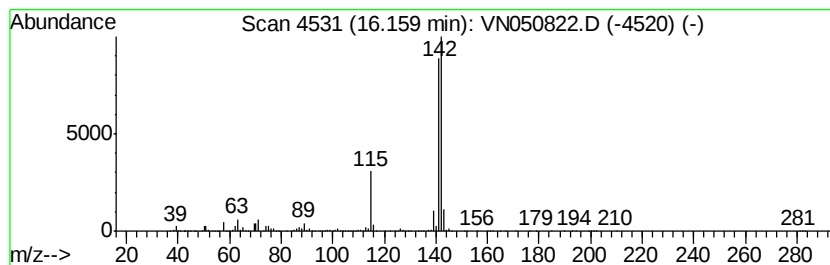
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	59.17 ug/l	4318390	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		3,4-Difluorobenzaldehyde	142	C7H4F2O	034036-07-2	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082218\
Data File : VN050822.D
Acq On : 22 Aug 2018 16:16
Operator : MD\SY
Sample : J4586-02 10X
Misc : 6.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-240-UST-SLUDGE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.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
Benzene, 1-ethyl-...	12.65	111.8	ug/l	8162470	4	13.35	3648890	50.0
Benzene, 1-propenyl-	13.54	77.5	ug/l	5656240	4	13.35	3648890	50.0
Benzene, 1-ethyl-...	13.89	44.9	ug/l	3277900	4	13.35	3648890	50.0
1-Phenyl-1-butene	13.99	35.0	ug/l	2551230	4	13.35	3648890	50.0
Benzene, 1,2,4,5-...	14.25	32.9	ug/l	2403650	4	13.35	3648890	50.0
1H-Indene, 2,3-di...	14.48	32.6	ug/l	2381350	4	13.35	3648890	50.0
Benzene, 2-etheny...	14.59	79.7	ug/l	5814370	4	13.35	3648890	50.0
Benzene, (3-methy...	14.85	37.0	ug/l	2702090	4	13.35	3648890	50.0
Naphthalene, 1-me...	16.16	59.2	ug/l	4318390	4	13.35	3648890	50.0