

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
 Data File : VN055788.D
 Acq On : 24 May 2019 11:57
 Operator : JC/SP
 Sample : K2977-03 50X
 Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-W-2R(14-17)

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\82N052319W.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	4.738	902	922	945	rBV	12360	43235	1.40%	0.100%
2	7.590	1789	1809	1820	rBV	224583	565845	18.37%	1.311%
3	7.664	1820	1832	1854	rVB	413352	993587	32.26%	2.302%
4	8.027	1926	1945	1981	rVB	223360	518795	16.84%	1.202%
5	8.583	2103	2118	2155	rVB	566676	1236669	40.15%	2.865%
6	10.091	2569	2587	2616	rBV	911127	1784364	57.93%	4.135%
7	10.432	2684	2693	2704	rVB3	24058	44930	1.46%	0.104%
8	10.529	2711	2723	2733	rBV4	15860	35285	1.15%	0.082%
9	10.625	2745	2753	2763	rVB2	21391	33505	1.09%	0.078%
10	10.718	2770	2782	2793	rBV	99179	166625	5.41%	0.386%
11	10.818	2801	2813	2825	rBV	50143	102212	3.32%	0.237%
12	10.885	2826	2834	2841	rBV5	25679	42035	1.36%	0.097%
13	10.950	2846	2854	2861	rVV	81581	136806	4.44%	0.317%
14	11.004	2861	2871	2882	rVV	218101	397944	12.92%	0.922%
15	11.059	2883	2888	2895	rVB2	24283	32489	1.05%	0.075%
16	11.123	2896	2908	2915	rBV5	116894	217102	7.05%	0.503%
17	11.194	2916	2930	2950	rVB6	188127	550518	17.87%	1.276%
18	11.297	2950	2962	2983	rBV	320332	582946	18.93%	1.351%
19	11.406	2984	2996	3016	rBV	820821	1490525	48.39%	3.454%
20	11.541	3030	3038	3044	rBV	67588	100316	3.26%	0.232%
21	11.593	3044	3054	3063	rVV7	130446	281407	9.14%	0.652%
22	11.654	3064	3073	3080	rVV2	284653	526049	17.08%	1.219%
23	11.696	3082	3086	3097	rVB2	207829	303134	9.84%	0.702%
24	11.757	3097	3105	3112	rBV3	58357	102879	3.34%	0.238%
25	11.850	3127	3134	3142	rVB3	114785	180325	5.85%	0.418%
26	11.924	3142	3157	3169	rBV5	425115	1037252	33.68%	2.403%
27	11.979	3170	3174	3179	rVV2	58562	63749	2.07%	0.148%
28	12.043	3186	3194	3203	rVB	819315	1140658	37.03%	2.643%
29	12.120	3209	3218	3222	rBV2	379417	604120	19.61%	1.400%
30	12.159	3223	3230	3249	rVB5	714484	1443175	46.86%	3.344%
31	12.294	3264	3272	3278	rBV6	267310	458807	14.90%	1.063%
32	12.336	3279	3285	3295	rVB	789863	1208255	39.23%	2.800%
33	12.403	3295	3306	3317	rBV2	770879	1407284	45.69%	3.261%
34	12.490	3319	3333	3339	rBV8	152484	381983	12.40%	0.885%

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35	12.561	3347	3355	3371	rVB3	611047	1412797	45.87%	3.274%
36	12.647	3372	3382	3390	rBV7	281935	585343	19.00%	1.356%
37	12.728	3392	3407	3416	rBV7	1031675	2424303	78.71%	5.617%
38	12.869	3444	3451	3458	rBV4	300636	438947	14.25%	1.017%
39	12.963	3472	3480	3492	rVB	1631999	2609162	84.71%	6.046%
40	13.040	3493	3504	3513	rBV	1868665	3080020	100.00%	7.137%
41	13.088	3514	3519	3528	rVB2	242192	347270	11.27%	0.805%
42	13.146	3530	3537	3541	rBV3	351621	545813	17.72%	1.265%
43	13.236	3552	3565	3574	rBV4	1138810	2225202	72.25%	5.156%
44	13.284	3575	3580	3588	rVB4	473713	680274	22.09%	1.576%
45	13.342	3590	3598	3604	rBV	583108	997343	32.38%	2.311%
46	13.538	3654	3659	3666	rVB	501201	648771	21.06%	1.503%
47	13.583	3666	3673	3688	rVB4	628165	1175077	38.15%	2.723%
48	13.663	3689	3698	3707	rBV6	569860	1031546	33.49%	2.390%
49	13.709	3708	3712	3720	rVB3	226493	303398	9.85%	0.703%
50	13.831	3746	3750	3760	rVB5	539195	767908	24.93%	1.779%
51	13.889	3761	3768	3776	rVB	577812	889851	28.89%	2.062%
52	13.934	3777	3782	3790	rVB3	192302	270228	8.77%	0.626%
53	13.991	3792	3800	3810	rVB	573209	945200	30.69%	2.190%
54	14.059	3811	3821	3832	rBV6	155197	379756	12.33%	0.880%
55	14.127	3835	3842	3848	rBV2	154530	243200	7.90%	0.564%
56	14.175	3849	3857	3864	rBV4	229356	414410	13.45%	0.960%
57	14.245	3874	3879	3887	rVB	355709	493579	16.03%	1.144%
58	14.294	3888	3894	3899	rVV3	115429	140073	4.55%	0.325%
59	14.332	3900	3906	3915	rVB3	196943	259534	8.43%	0.601%
60	14.477	3946	3951	3959	rBV4	47021	72089	2.34%	0.167%
61	14.522	3960	3965	3973	rVB	110359	150821	4.90%	0.349%
62	14.580	3973	3983	3996	rBV2	412601	766404	24.88%	1.776%
63	14.644	3997	4003	4014	rVB3	85791	145297	4.72%	0.337%
64	14.741	4025	4033	4050	rVB	204053	336146	10.91%	0.779%
65	14.850	4061	4067	4073	rBV4	41694	55905	1.82%	0.130%
66	14.956	4092	4100	4112	rVB3	52841	106756	3.47%	0.247%

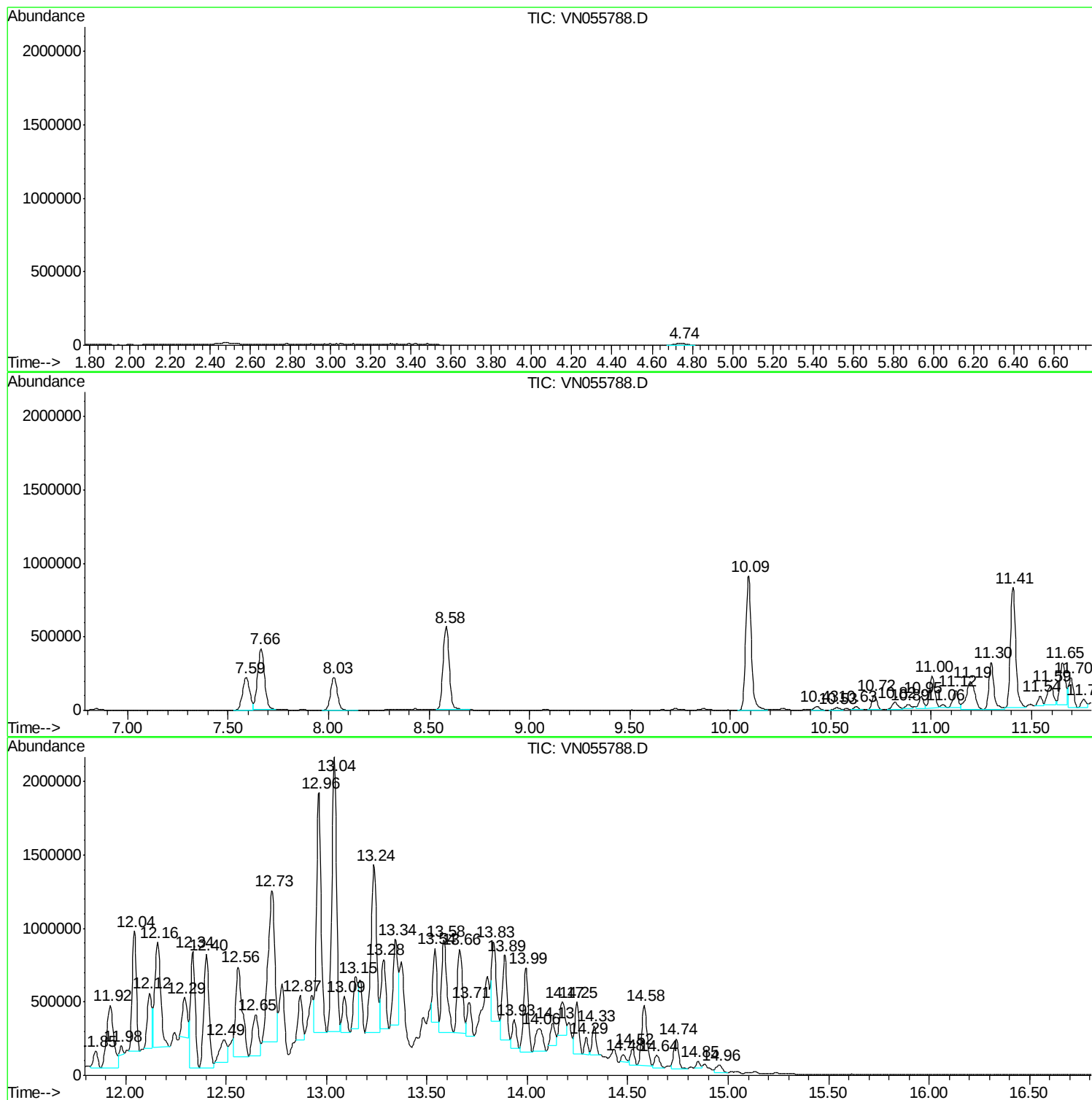
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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



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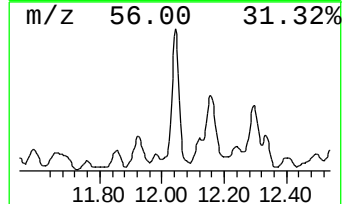
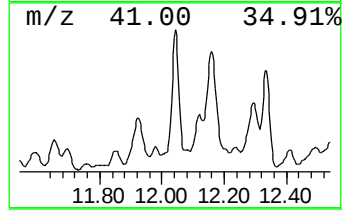
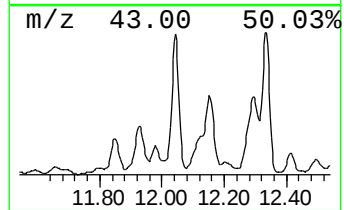
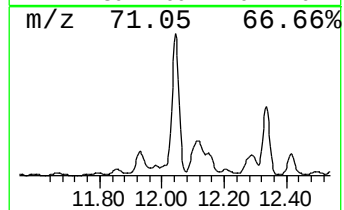
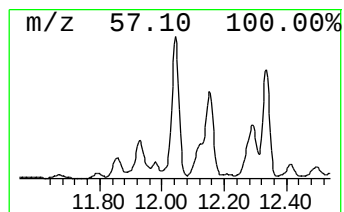
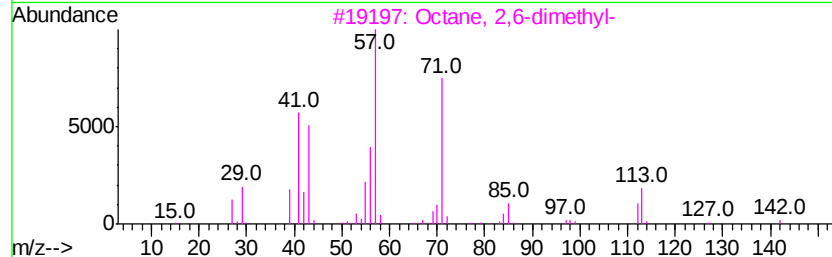
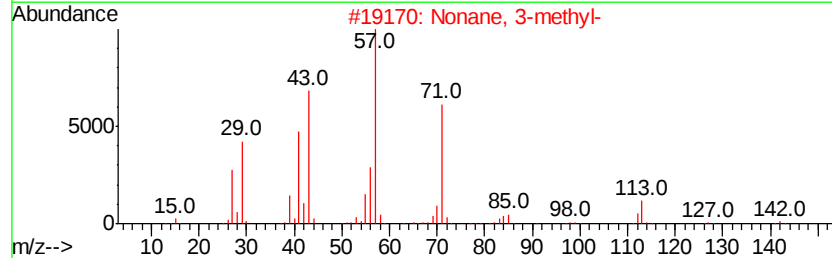
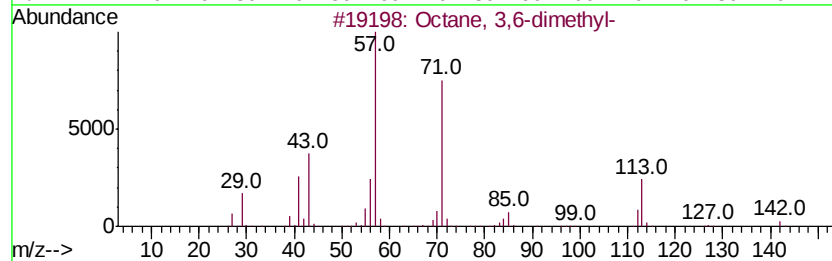
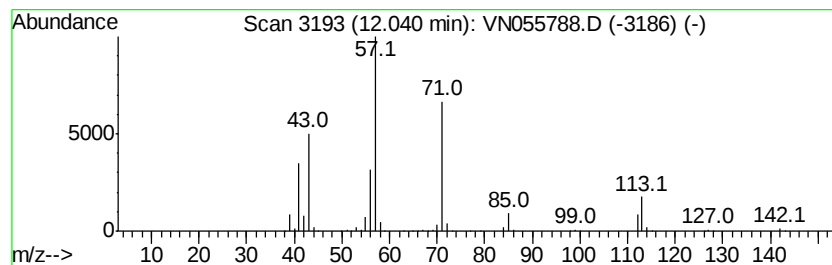
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 1 Octane, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.04	38.26 ug/l	1140660	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	59



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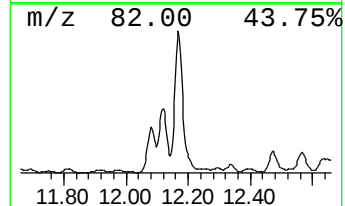
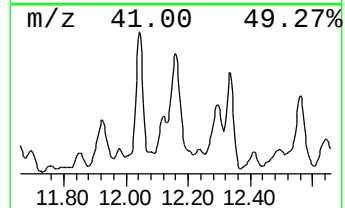
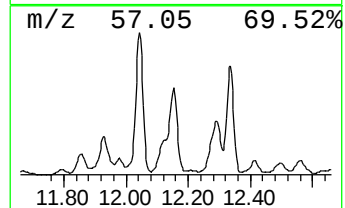
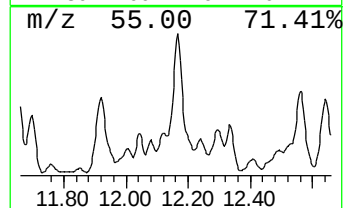
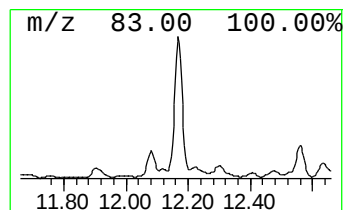
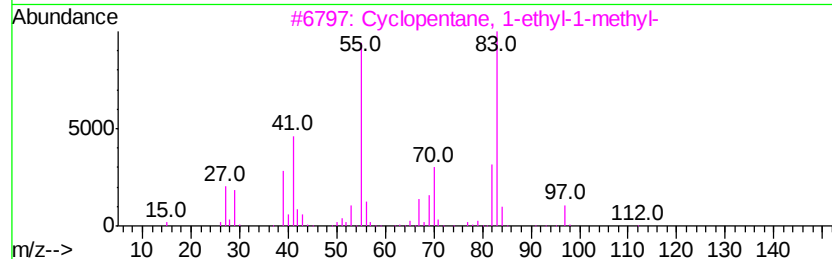
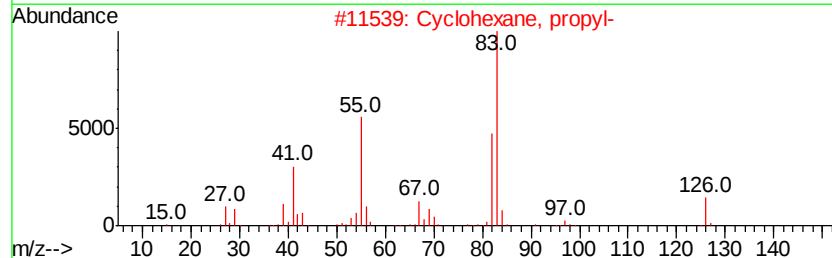
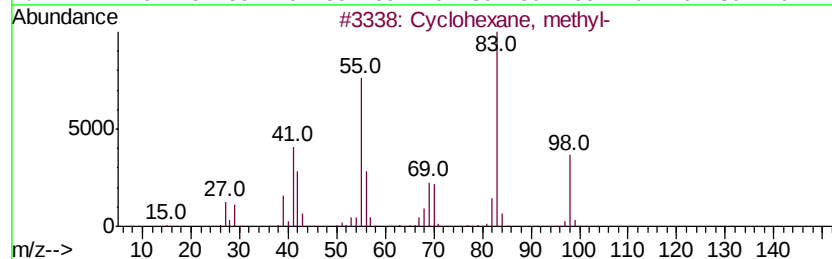
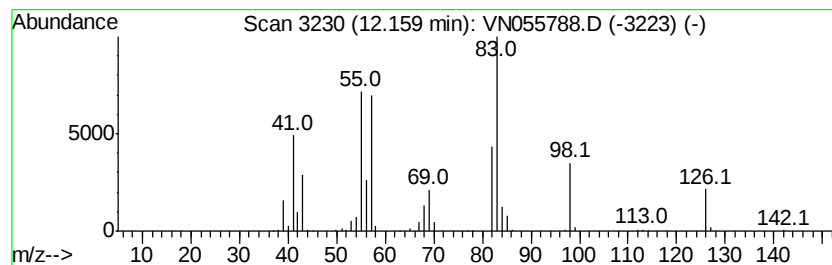
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	48.41 ug/l	1443180	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, methyl-	98	C7H14	000108-87-2	58
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	53
3		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	47
4		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	46
5		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	43



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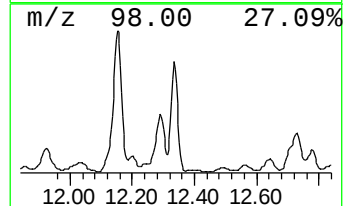
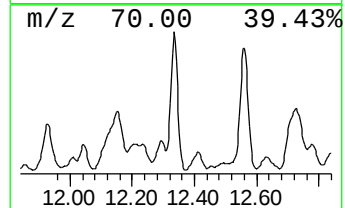
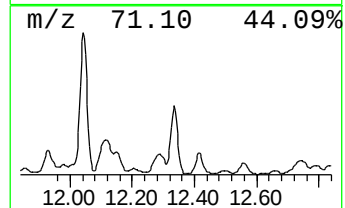
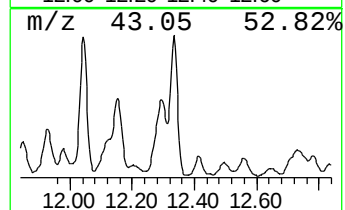
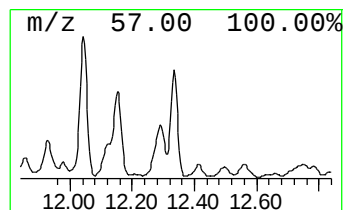
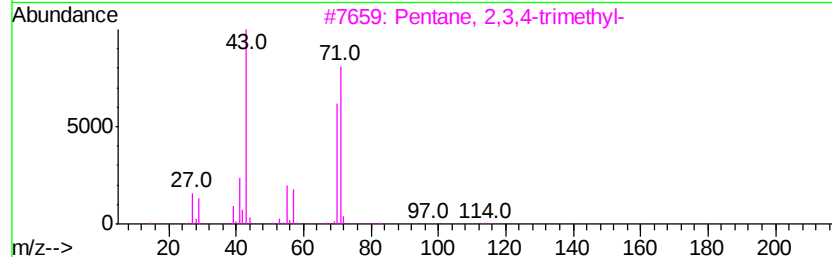
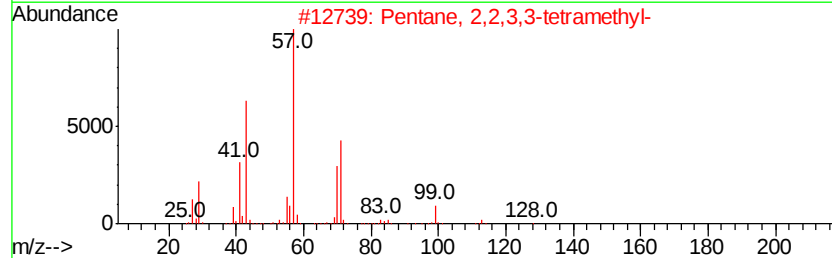
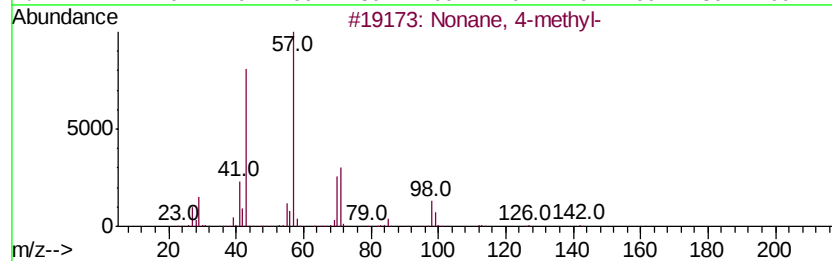
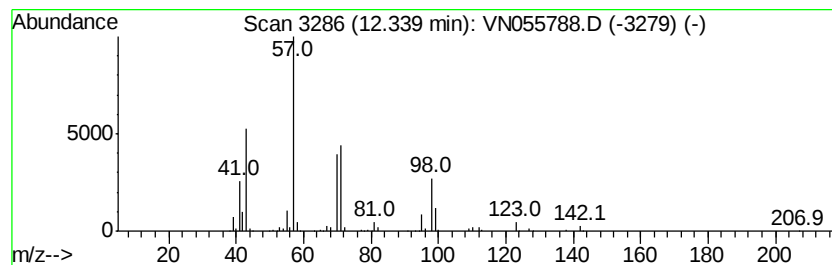
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Peak Number 3 Nonane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	40.53 ug/l	1208260	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	47
4		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	43
5		Hexanoic acid, 1,1-dimethylpropy...	186	C11H22O2	116423-69-9	38



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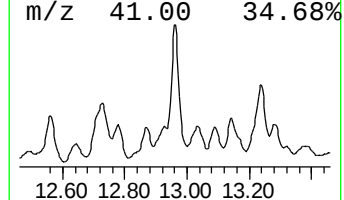
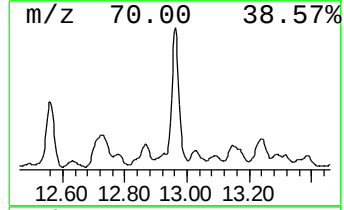
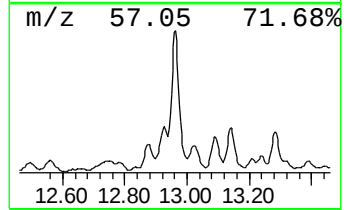
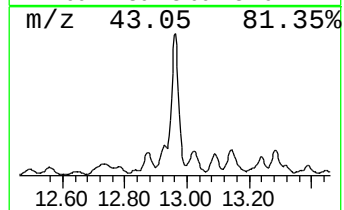
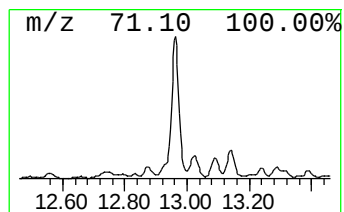
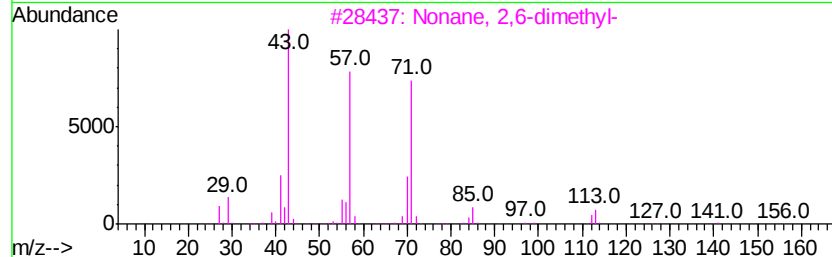
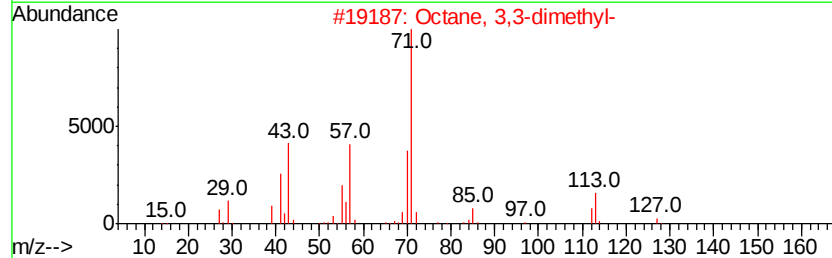
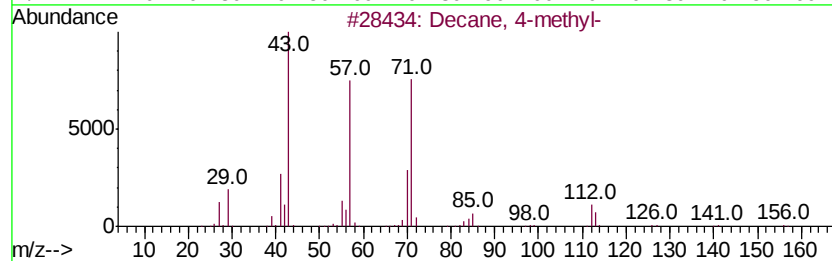
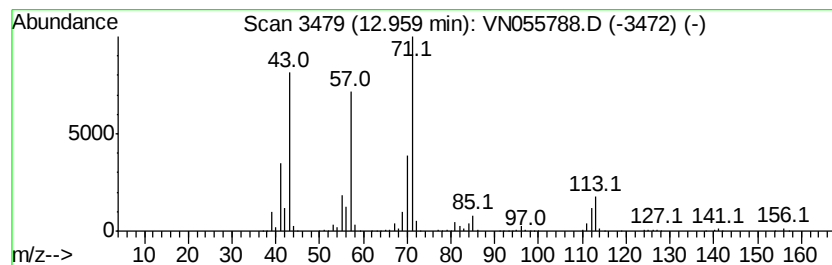
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Peak Number 4 Decane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	130.81 ug/l	2609160	1,4-Dichlorobenzene-d4	13.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	87
2	Octane, 3,3-dimethyl-	142 C10H22	004110-44-5	78
3	Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2	74
4	Heptane, 3,3,5-trimethyl-	142 C10H22	007154-80-5	72
5	4-Methyl-3-heptanol, trifluoroac...	226 C10H17F3O2	1000365-51-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

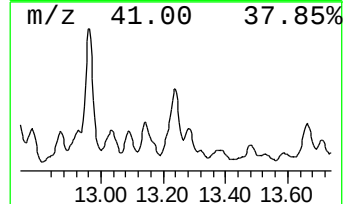
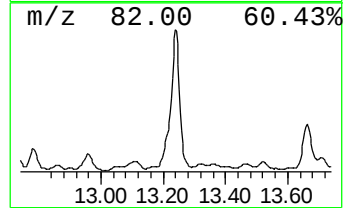
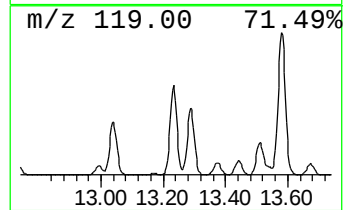
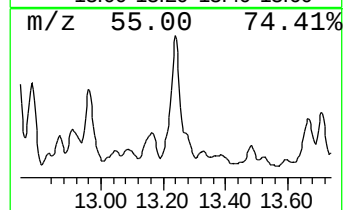
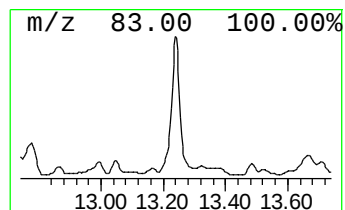
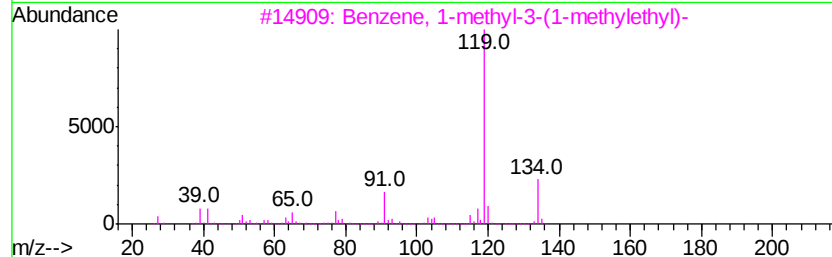
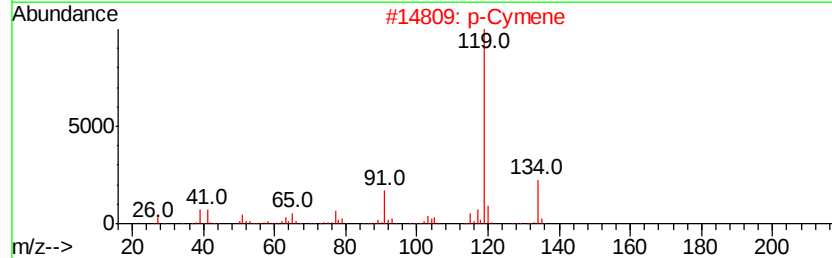
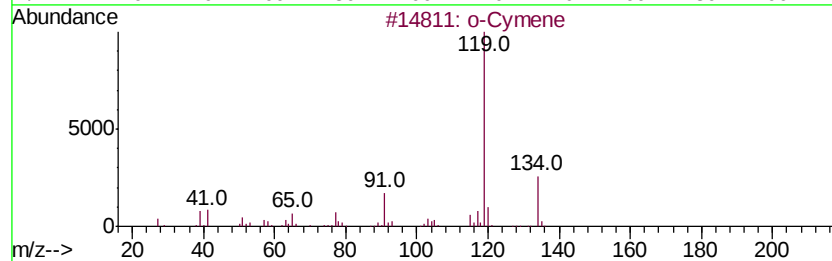
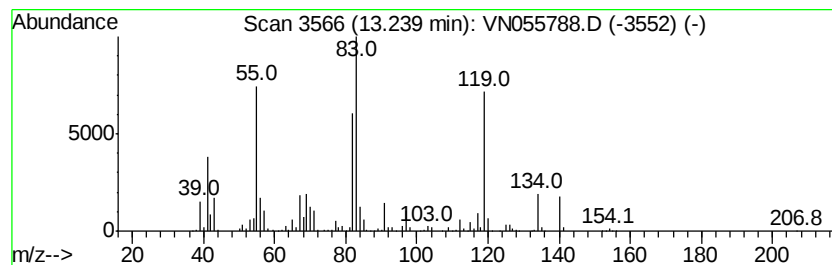
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Quant Title : SW846 8260

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

Peak Number 5 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	111.56 ug/l	2225200	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	78
2		p-Cymene	134	C10H14	000099-87-6	78
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	74
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	60
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	46



Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

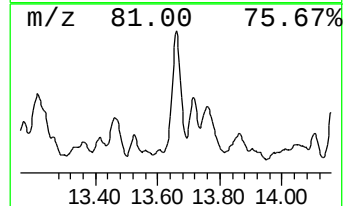
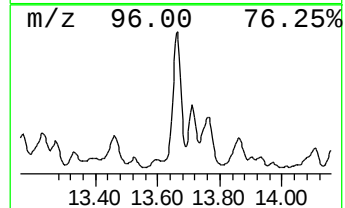
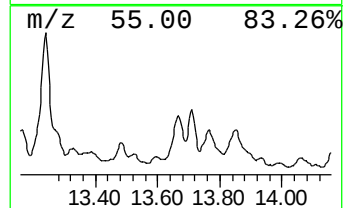
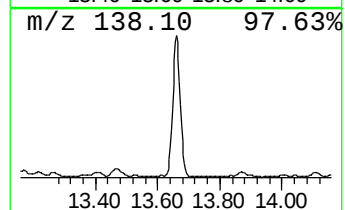
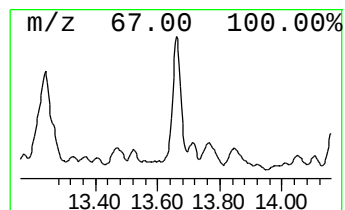
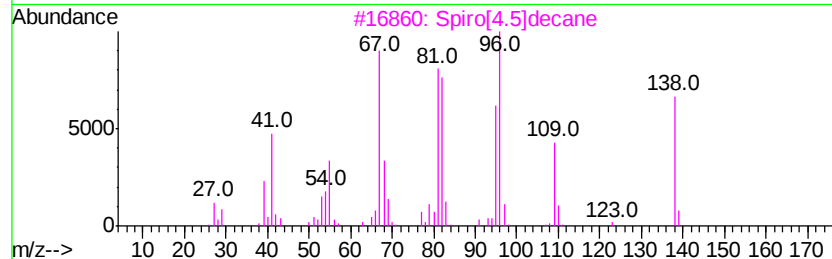
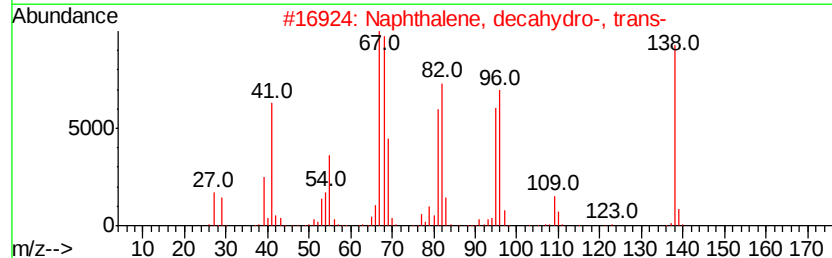
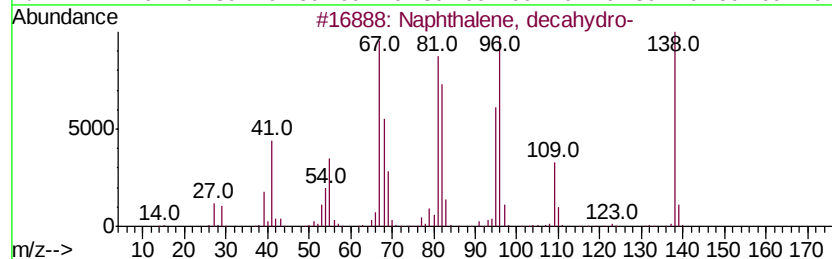
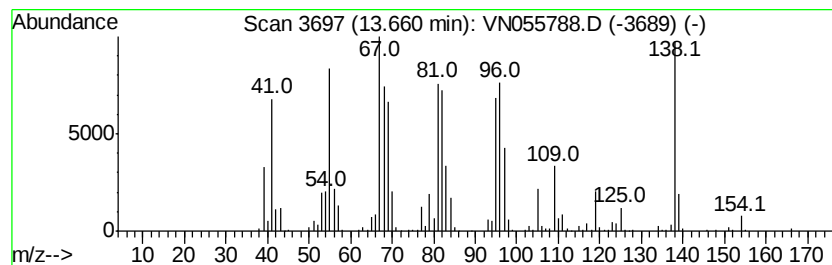
Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, decahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.66	51.71 ug/l	1031550	1,4-Dichlorobenzene-d4	13.34	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1		Naphthalene, decahydro-	138 C10H18	000091-17-8	95
2		Naphthalene, decahydro-, trans-	138 C10H18	000493-02-7	90
3		Spiro[4.5]decane	138 C10H18	000176-63-6	87
4		Naphthalene, decahydro-, cis-	138 C10H18	000493-01-6	83
5		1,1'-Bicyclopentyl	138 C10H18	001636-39-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

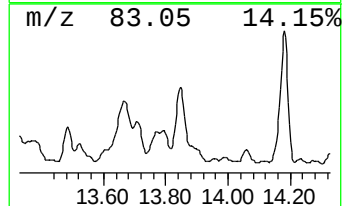
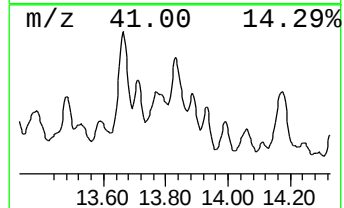
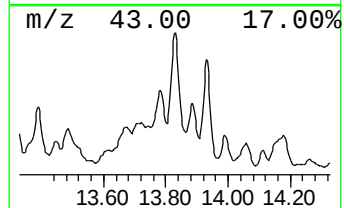
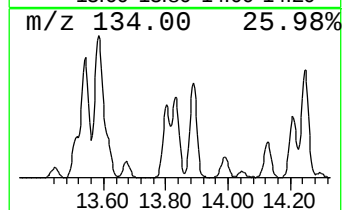
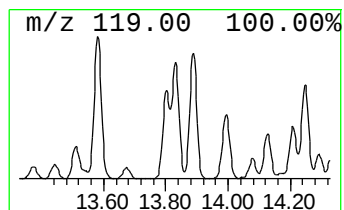
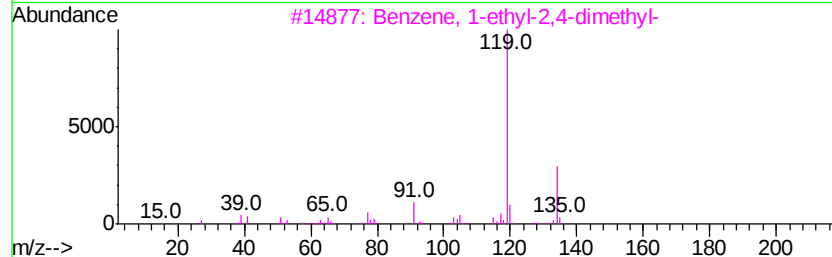
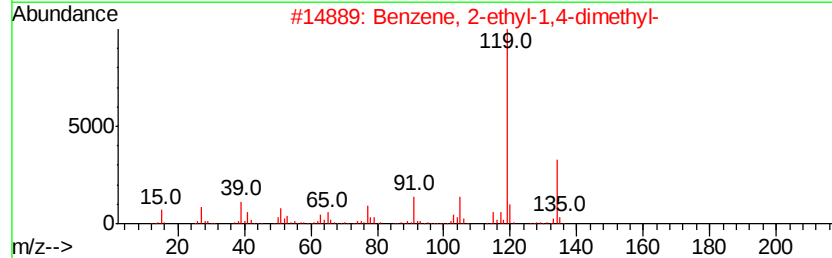
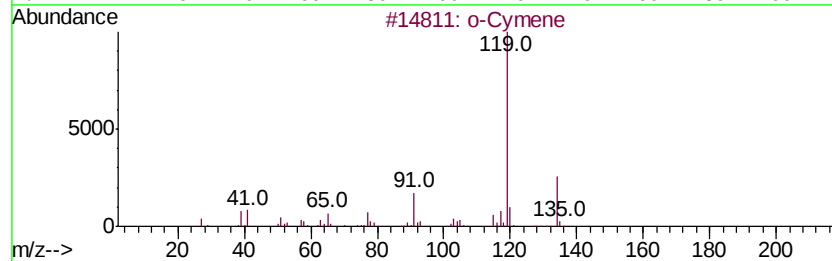
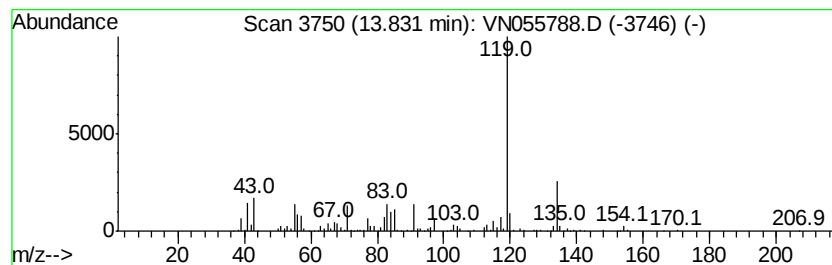
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	38.50 ug/l	767908	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	92
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	92
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	92
4		p-Cymene	134	C10H14	000099-87-6	76
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53a/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

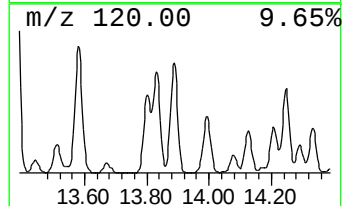
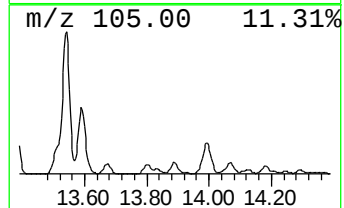
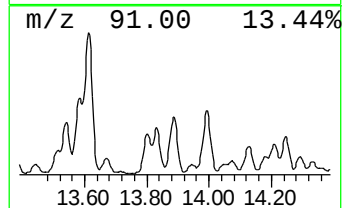
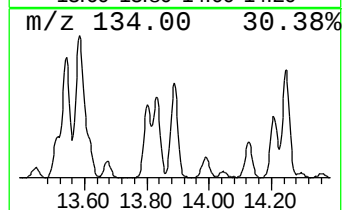
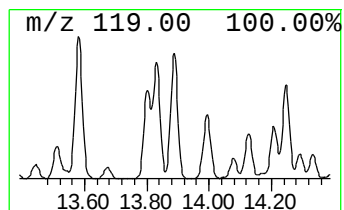
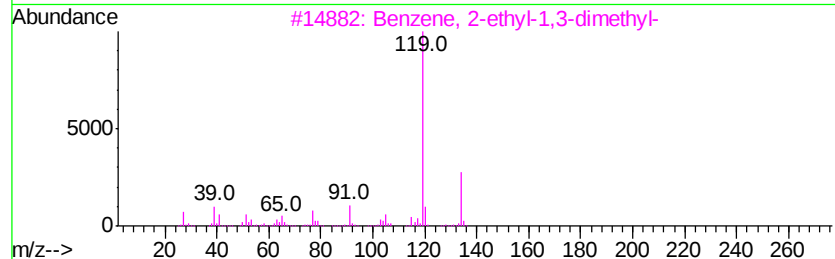
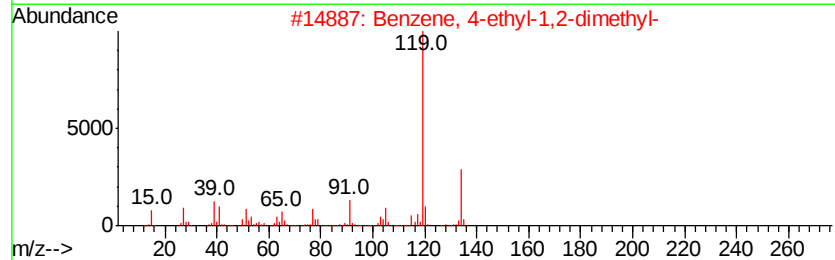
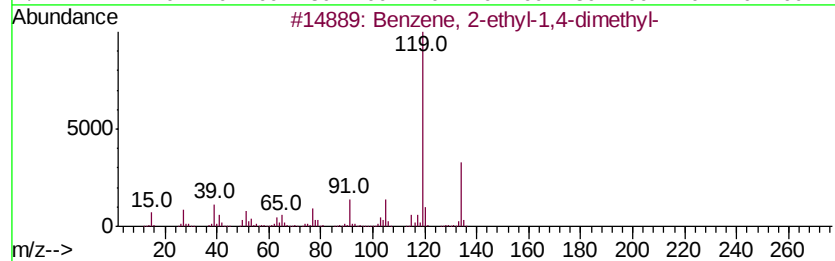
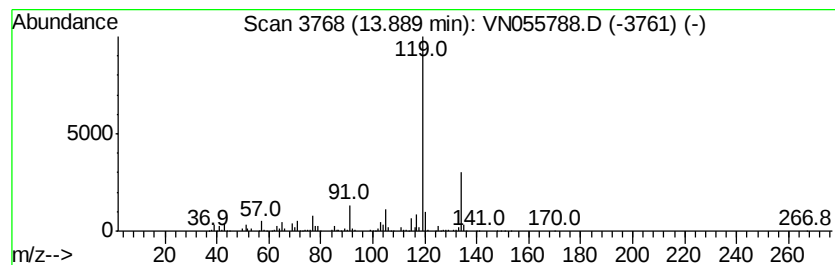
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	44.61 ug/l	889851	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

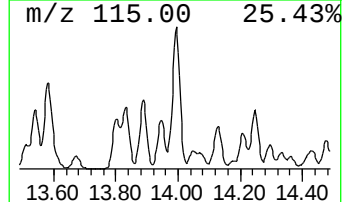
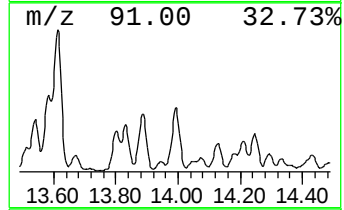
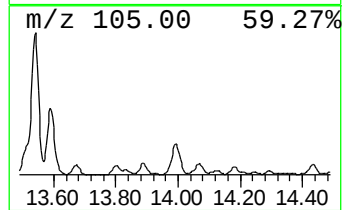
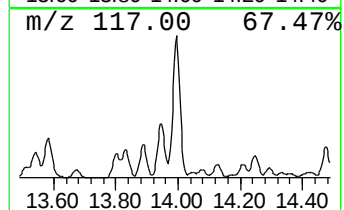
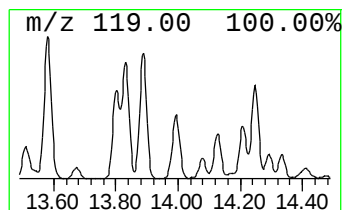
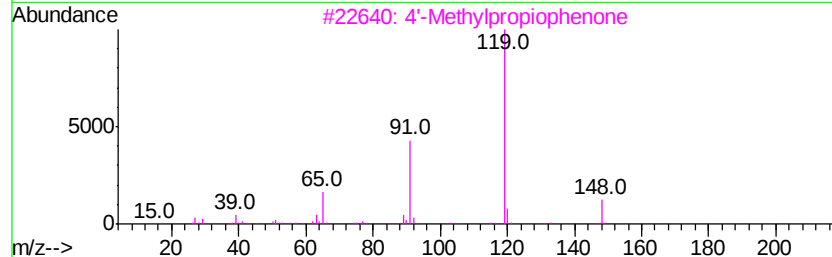
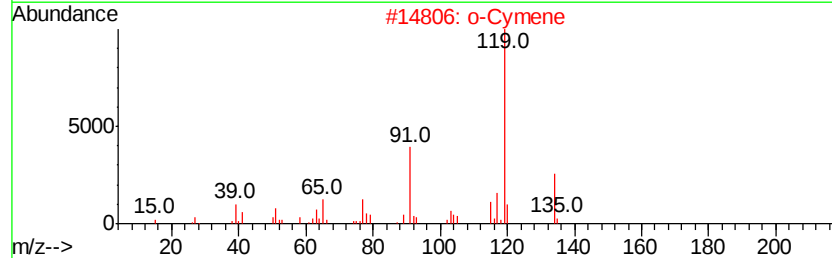
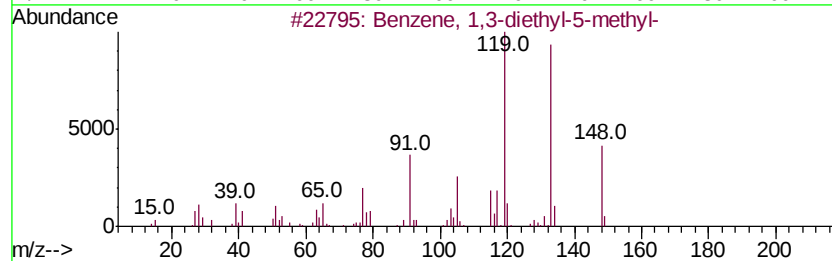
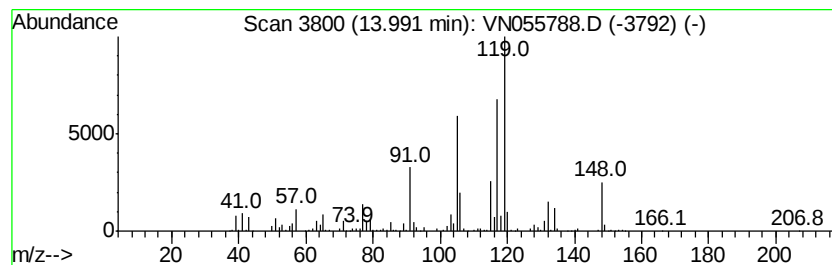
Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.99	47.39 ug/l	945200	1,4-Dichlorobenzene-d4	13.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46
2	o-Cymene	134	C10H14	000527-84-4	45
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	43
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	38
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

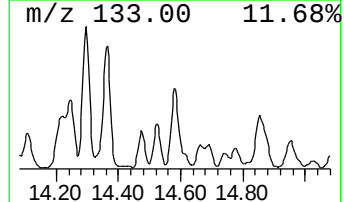
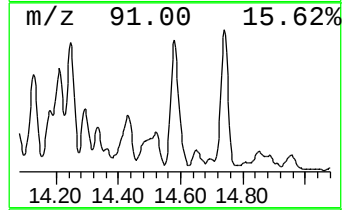
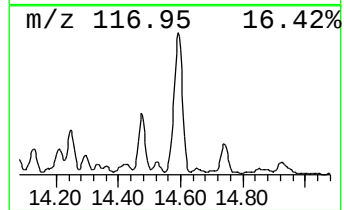
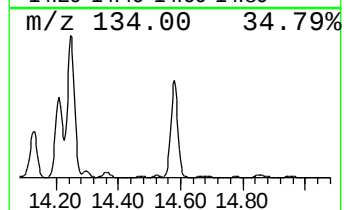
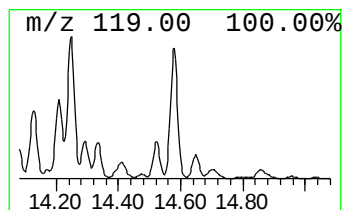
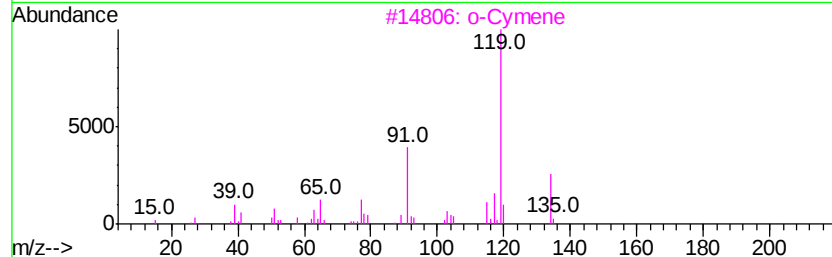
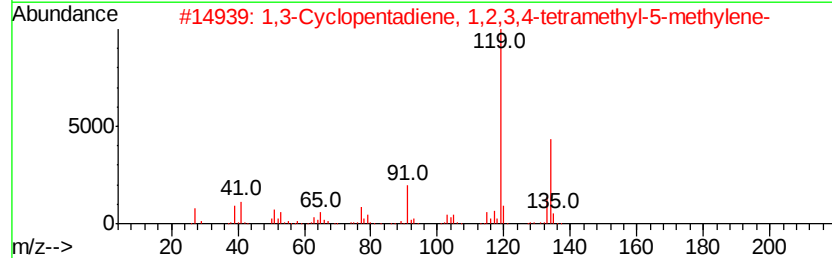
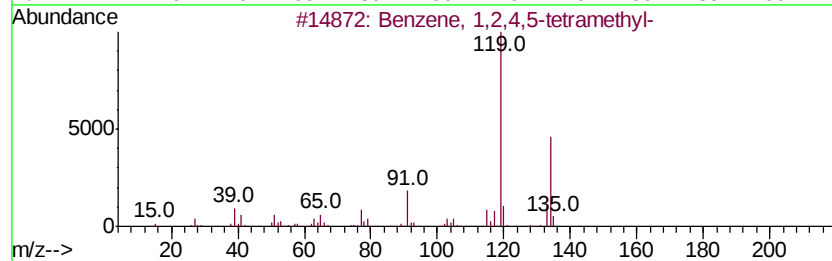
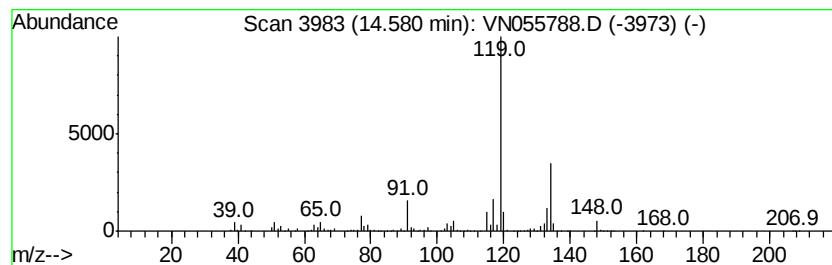
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	38.42 ug/l	766404	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		o-Cymene	134	C10H14	000527-84-4	91
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055788.D
Acq On : 24 May 2019 11:57
Operator : JC/SP
Sample : K2977-03 50X
Misc : 5.53g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(14-17)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.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
Octane, 3,6-dimet...	12.04	38.3	ug/l	1140660	3	11.41	1490530	50.0
Cyclohexane, propyl-	12.16	48.4	ug/l	1443180	3	11.41	1490530	50.0
Nonane, 4-methyl-	12.34	40.5	ug/l	1208260	3	11.41	1490530	50.0
Decane, 4-methyl-	12.96	130.8	ug/l	2609160	4	13.34	997343	50.0
o-Cymene	13.24	111.6	ug/l	2225200	4	13.34	997343	50.0
Naphthalene, deca...	13.66	51.7	ug/l	1031550	4	13.34	997343	50.0
Benzene, 1-ethyl-...	13.83	38.5	ug/l	767908	4	13.34	997343	50.0
Benzene, 2-ethyl-...	13.89	44.6	ug/l	889851	4	13.34	997343	50.0
Benzene, 1,3-diet...	13.99	47.4	ug/l	945200	4	13.34	997343	50.0
Benzene, 1,2,4,5-...	14.58	38.4	ug/l	766404	4	13.34	997343	50.0