

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
 Data File : VN055415.D
 Acq On : 6 May 2019 13:39
 Operator : JC/SP
 Sample : K2658-04 10X
 Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E6(17-20)

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\82N042919W.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	rBV2	375656	932948	7.53%	0.642%
2	7.667	1821	1833	1852	rVB	577840	1366396	11.02%	0.940%
3	8.027	1928	1945	1972	rBV	400739	958393	7.73%	0.659%
4	8.587	2102	2119	2164	rBV	973955	2152215	17.36%	1.480%
5	10.091	2572	2587	2619	rBV	1590988	3270524	26.39%	2.249%
6	10.255	2629	2638	2661	rVB3	82118	204111	1.65%	0.140%
7	10.432	2684	2693	2708	rVB2	234966	438306	3.54%	0.301%
8	10.532	2711	2724	2732	rBV3	121848	256167	2.07%	0.176%
9	10.628	2746	2754	2763	rVB	110251	177753	1.43%	0.122%
10	10.718	2771	2782	2794	rVB	333253	550316	4.44%	0.378%
11	10.821	2799	2814	2827	rBV	278723	598489	4.83%	0.412%
12	10.892	2827	2836	2841	rBV2	138625	236391	1.91%	0.163%
13	11.005	2859	2871	2881	rBV2	947240	1705247	13.76%	1.173%
14	11.059	2881	2888	2896	rVB	170627	240564	1.94%	0.165%
15	11.123	2896	2908	2915	rBV3	645209	1155039	9.32%	0.794%
16	11.210	2926	2935	2950	rVB	864911	1682760	13.58%	1.157%
17	11.291	2950	2960	2967	rBV	233353	378376	3.05%	0.260%
18	11.406	2983	2996	3014	rBV	1433773	2948581	23.79%	2.028%
19	11.490	3015	3022	3030	rBV5	180961	284218	2.29%	0.195%
20	11.541	3030	3038	3044	rBV	571676	862392	6.96%	0.593%
21	11.593	3045	3054	3063	rBV6	717272	1374632	11.09%	0.945%
22	11.654	3063	3073	3081	rBV2	2786014	5079129	40.98%	3.493%
23	11.696	3082	3086	3097	rVB2	1863335	2778706	22.42%	1.911%
24	11.757	3097	3105	3111	rBV3	352075	629610	5.08%	0.433%
25	11.812	3112	3122	3127	rBV3	371492	687744	5.55%	0.473%
26	11.850	3127	3134	3142	rVB3	1015393	1530575	12.35%	1.053%
27	11.921	3142	3156	3168	rBV7	3852675	9391254	75.76%	6.458%
28	12.043	3187	3194	3201	rBV	3521417	4582307	36.97%	3.151%
29	12.082	3202	3206	3209	rVV	498884	528206	4.26%	0.363%
30	12.117	3210	3217	3223	rVV3	3180091	5397887	43.55%	3.712%
31	12.165	3224	3232	3250	rVB6	5171872	10610923	85.60%	7.297%
32	12.400	3295	3305	3316	rBV5	1913083	3563290	28.75%	2.450%
33	12.480	3316	3330	3339	rBV6	1471977	4348556	35.08%	2.991%
34	12.561	3348	3355	3361	rBV3	2958992	4777580	38.54%	3.286%

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35	12.644	3372	3381	3390	rBV6	1582322	3160828	25.50%	2.174%
36	12.725	3393	3406	3416	rVV5	4719644	12395244	100.00%	8.524%
37	12.779	3417	3423	3433	rVB2	2498755	4018944	32.42%	2.764%
38	12.866	3443	3450	3457	rVV6	1368802	1896840	15.30%	1.304%
39	12.927	3458	3469	3471	rVV4	1018235	1996138	16.10%	1.373%
40	12.959	3472	3479	3494	rVB4	4294622	7692978	62.06%	5.290%
41	13.165	3532	3543	3552	rVV6	2124492	4631355	37.36%	3.185%
42	13.239	3553	3566	3587	rVB	3507729	8167824	65.89%	5.617%
43	13.342	3593	3598	3612	rVB	1134133	1899542	15.32%	1.306%
44	13.445	3624	3630	3635	rBV2	405602	637751	5.15%	0.439%
45	13.509	3645	3650	3669	rVB2	1573914	3285286	26.50%	2.259%
46	13.609	3669	3681	3688	rBV2	991170	2098571	16.93%	1.443%
47	13.660	3688	3697	3708	rVB3	3049240	5394588	43.52%	3.710%
48	13.885	3760	3767	3777	rVB	2626388	4086609	32.97%	2.810%
49	13.943	3779	3785	3790	rVV	362531	515874	4.16%	0.355%
50	13.992	3791	3800	3810	rVB5	1528665	2612451	21.08%	1.797%
51	14.130	3831	3843	3848	rBV2	262836	567253	4.58%	0.390%
52	14.178	3848	3858	3862	rBV4	808236	1516322	12.23%	1.043%
53	14.291	3885	3893	3898	rBV2	312748	493556	3.98%	0.339%
54	14.329	3899	3905	3912	rVV2	372817	532755	4.30%	0.366%
55	14.477	3945	3951	3960	rBV4	74426	130260	1.05%	0.090%
56	14.525	3961	3966	3974	rVB3	127200	167007	1.35%	0.115%
57	14.593	3976	3987	3996	rBV3	427210	774903	6.25%	0.533%
58	14.644	3996	4003	4014	rVB3	207061	370615	2.99%	0.255%
59	14.847	4061	4066	4073	rVB4	130881	173818	1.40%	0.120%
60	14.889	4073	4079	4090	rVV4	91115	211331	1.70%	0.145%
61	14.950	4091	4098	4109	rVB4	148135	303250	2.45%	0.209%

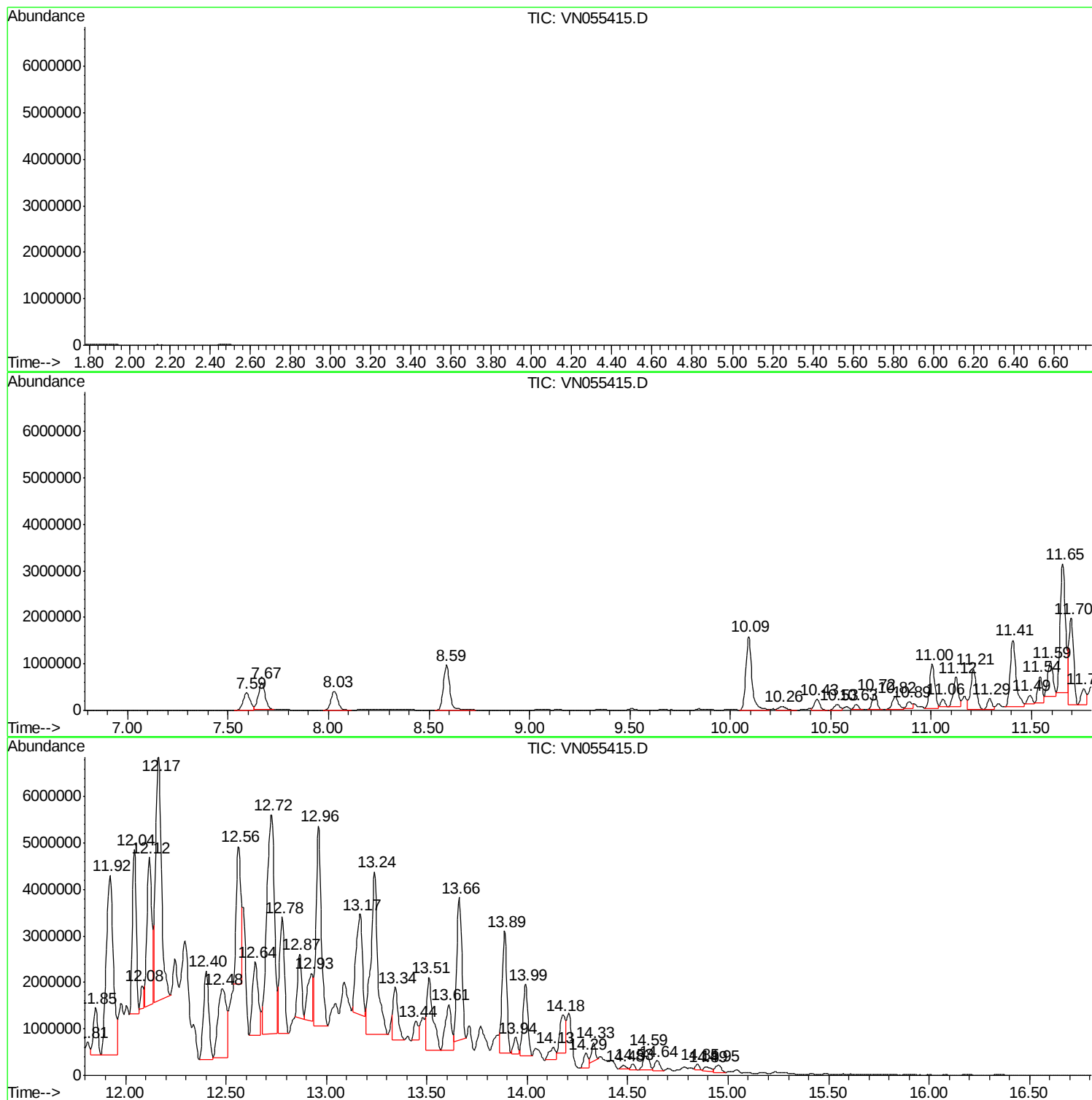
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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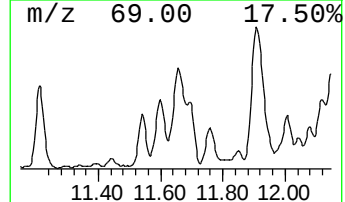
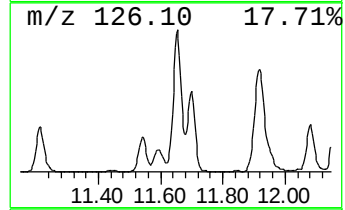
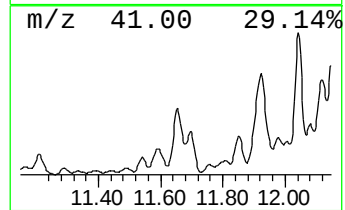
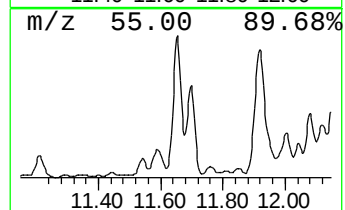
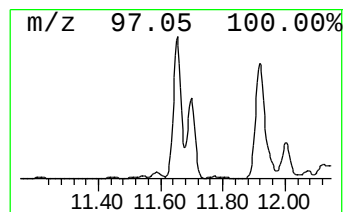
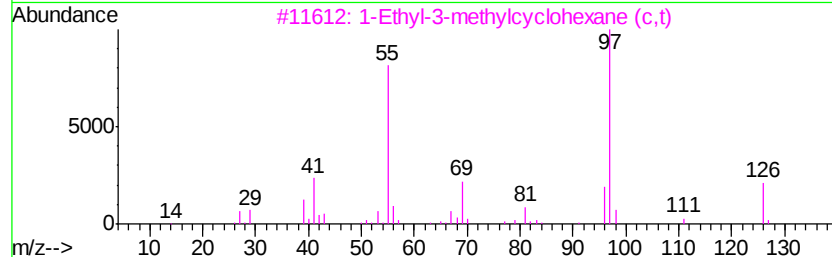
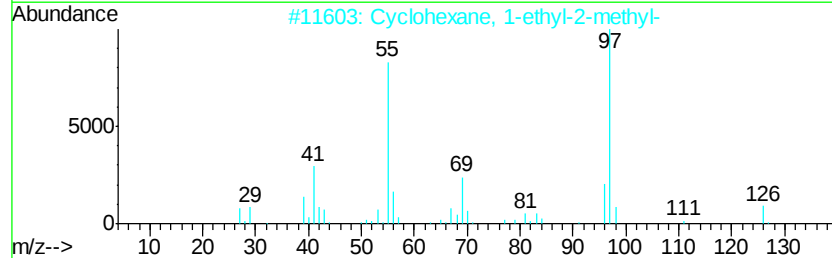
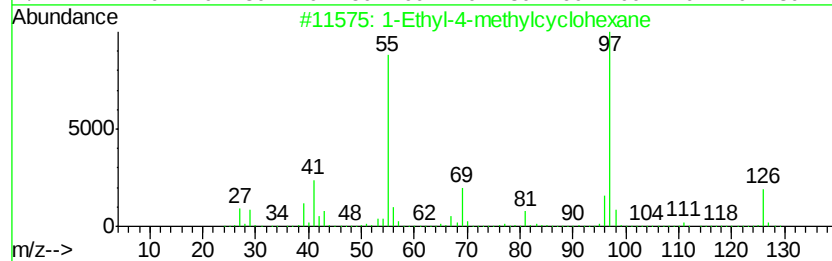
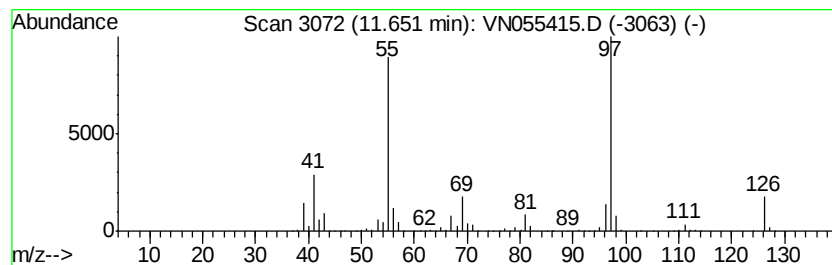
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	86.13 ug/l	5079130	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcvclohexane	126	C9H18	003728-56-1	95
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
3		1-Ethyl-3-methylcvclohexane (c,t)	126	C9H18	003728-55-0	90
4		cis-1-Ethyl-3-methyl-cvclohexane	126	C9H18	019489-10-2	90
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86



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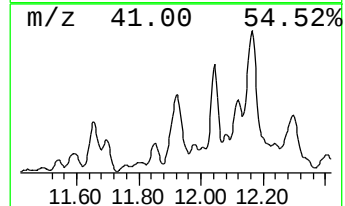
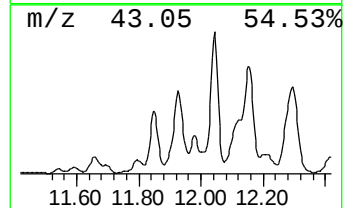
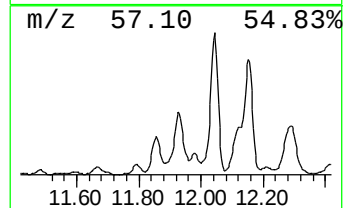
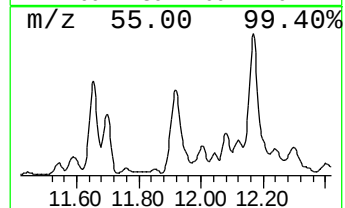
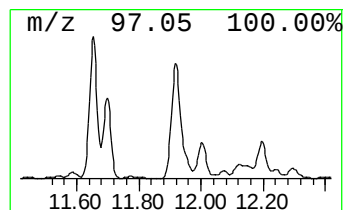
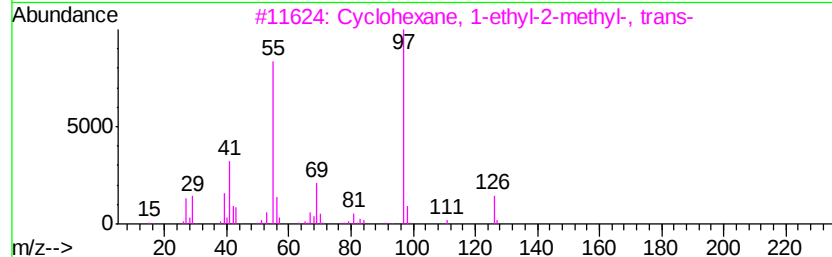
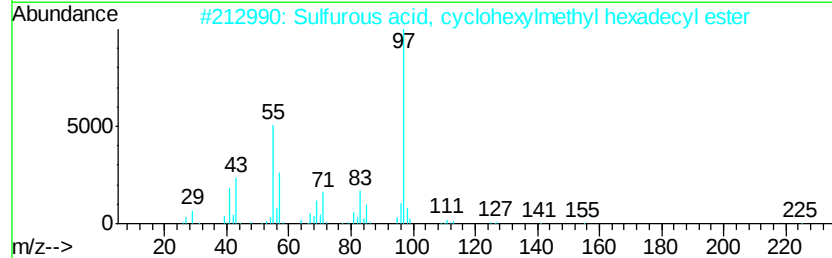
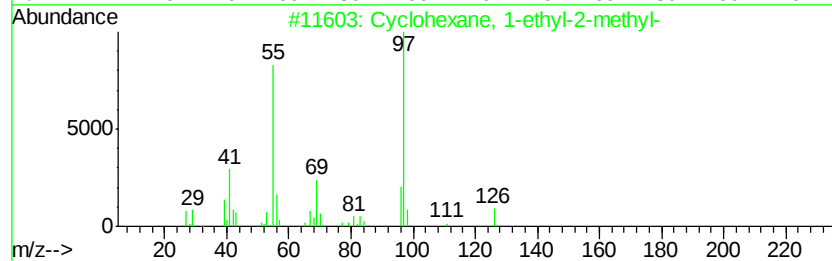
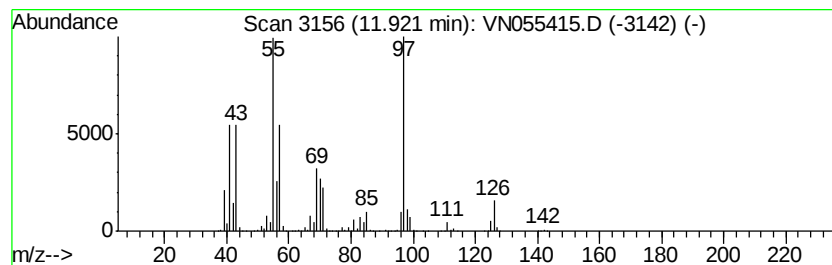
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.92	159.25 ug/l	9391250	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
2		Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	64
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
4		Cvclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	50
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	47



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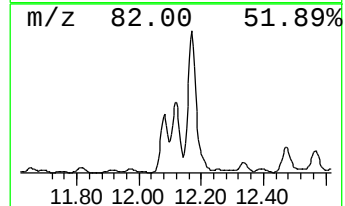
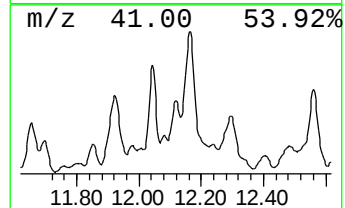
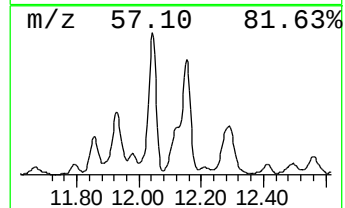
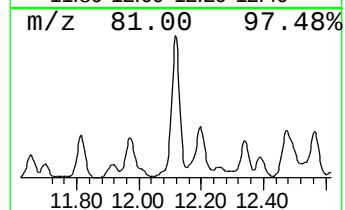
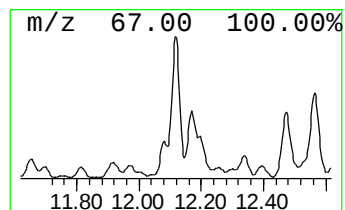
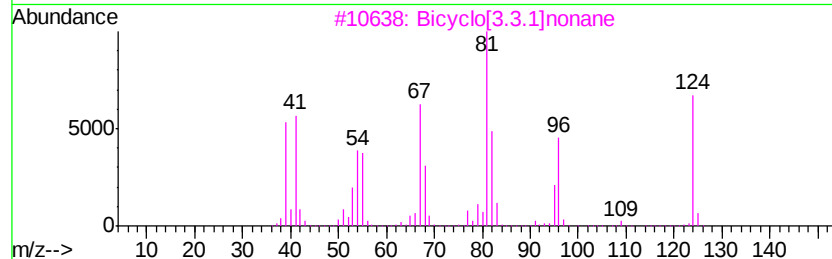
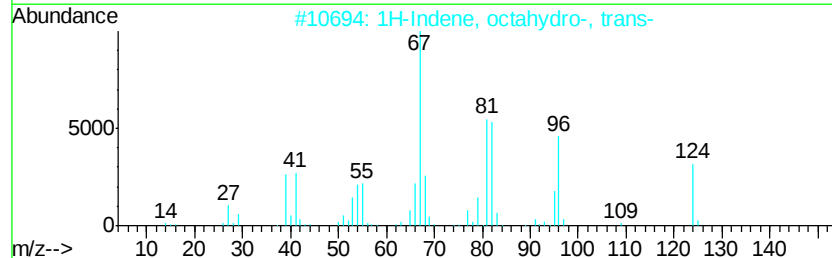
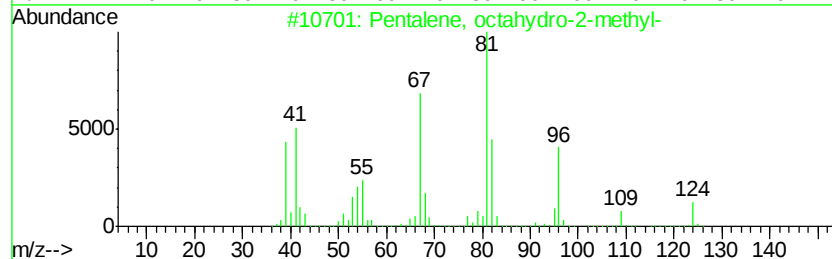
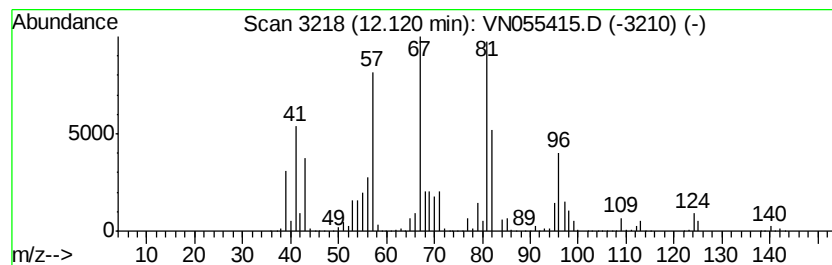
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Quant Title : SW846 8260

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

Peak Number 3 Pentalene, octahydro-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	91.53 ug/l	5397890	Chlorobenzene-d5	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	60
2		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
3		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	52
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
5		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43



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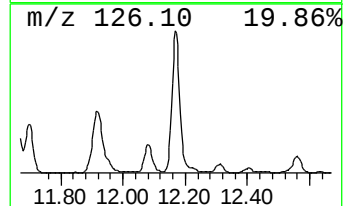
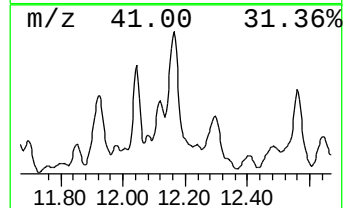
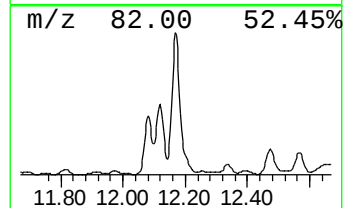
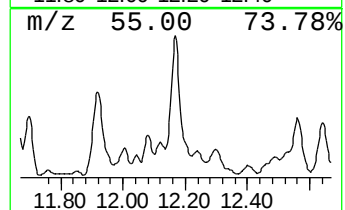
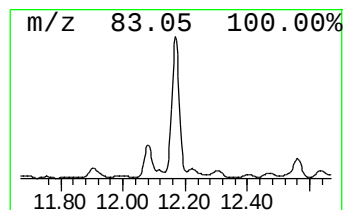
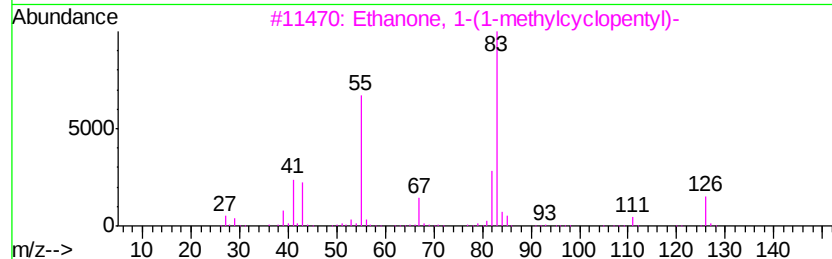
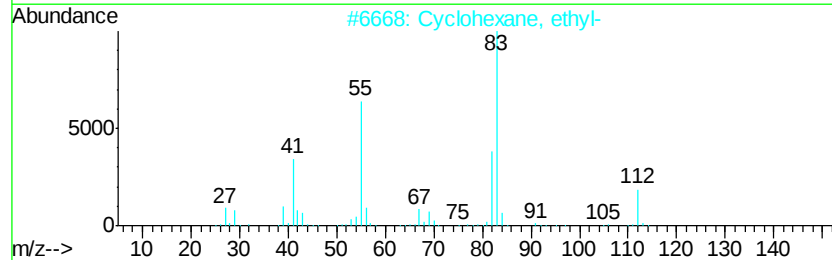
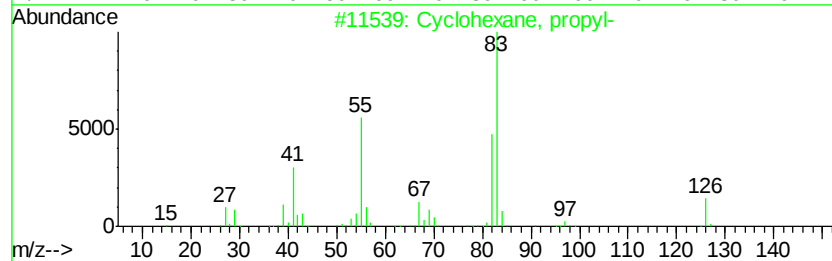
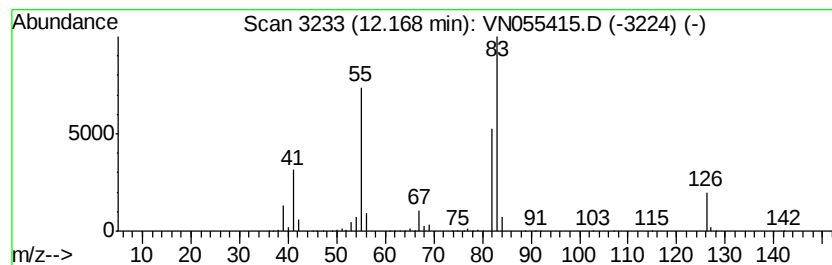
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Peak Number 4 Cyclohexane, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	179.93 ug/l	10610900	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
3		Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
5		Oxalic acid, cyclohexyl octyl ester	284	C16H28O4	1000309-31-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

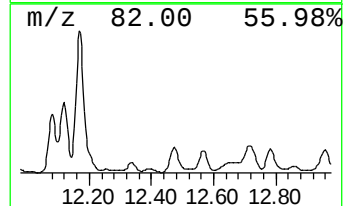
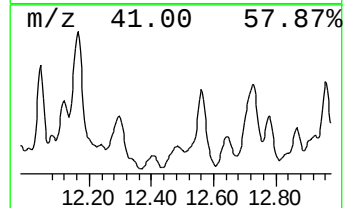
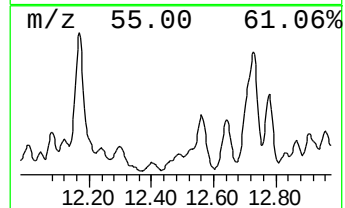
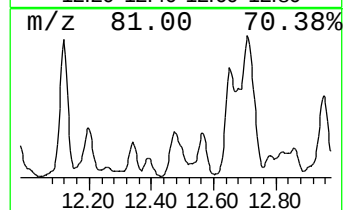
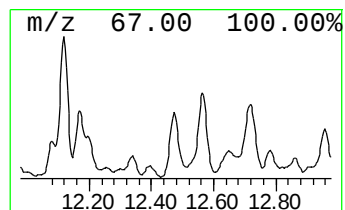
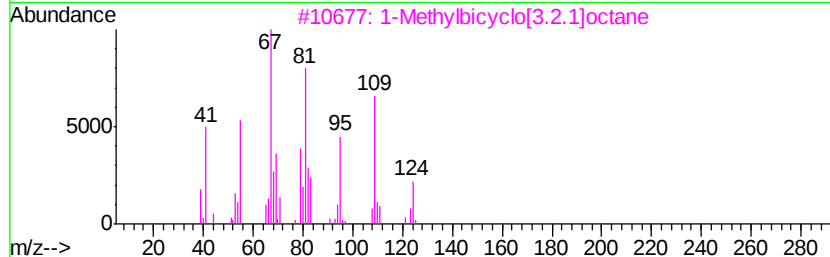
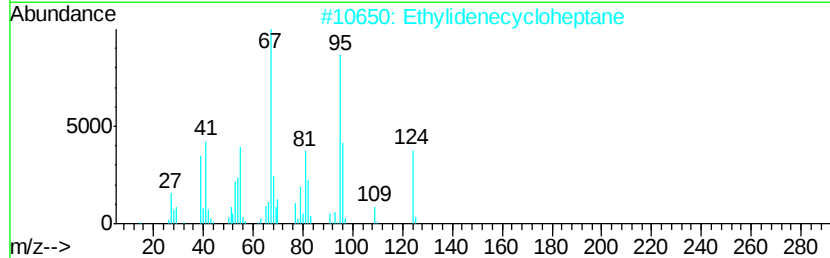
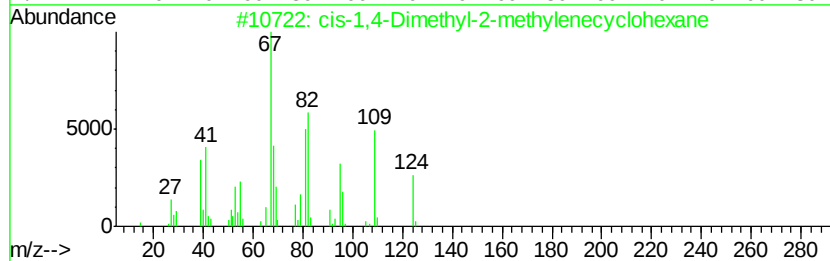
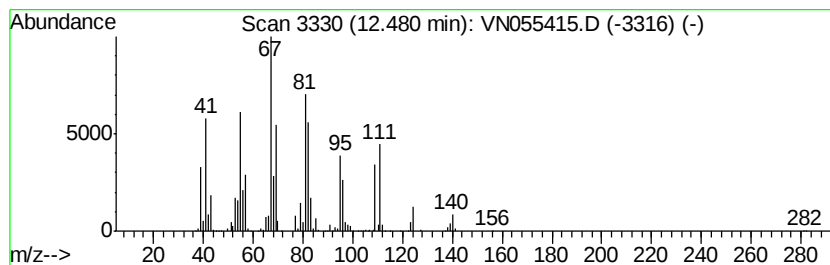
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Quant Title : SW846 8260

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

Peak Number 5 cis-1,4-Dimethyl-2-methylen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	114.46 ug/l	4348560	1,4-Dichlorobenzene-d4	13.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	58
2		Ethylidenecycloheptane	124	C9H16	010494-87-8	55
3		1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	52
4		3-Octyne, 2-methyl-	124	C9H16	055402-15-8	46
5		Bicyclo[4.2.0.]octane, 6,7-dimethyl	138	C10H18	1000063-19-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

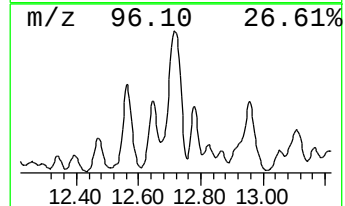
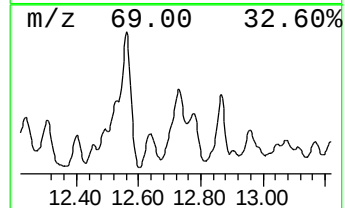
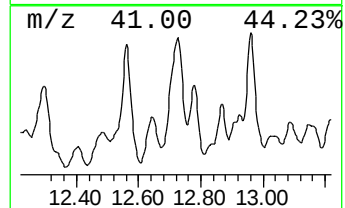
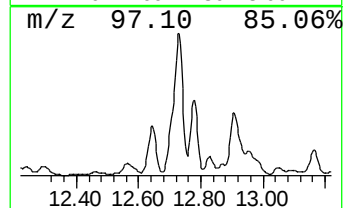
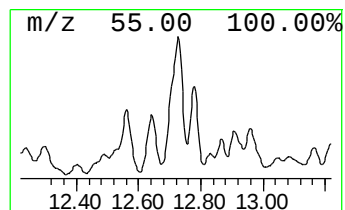
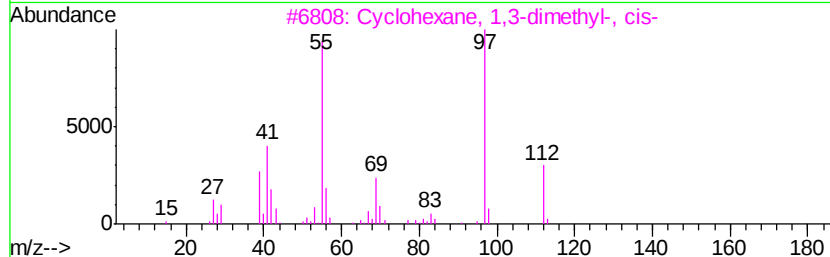
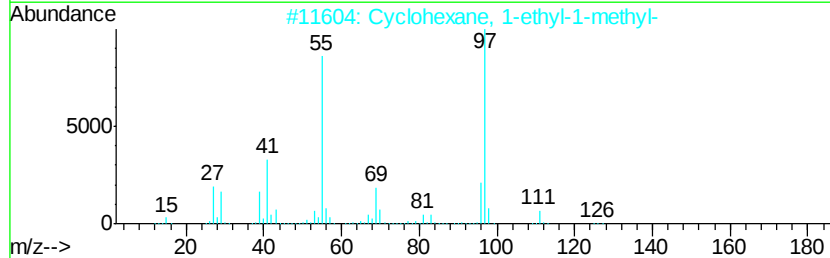
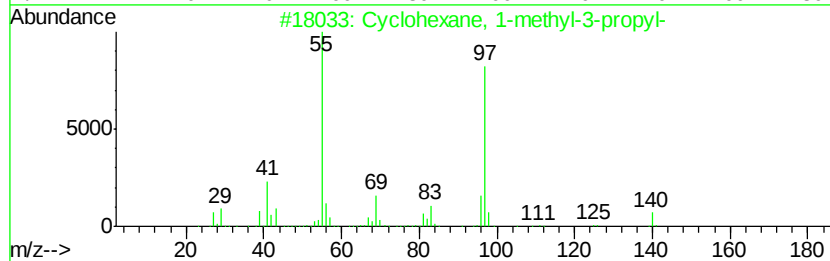
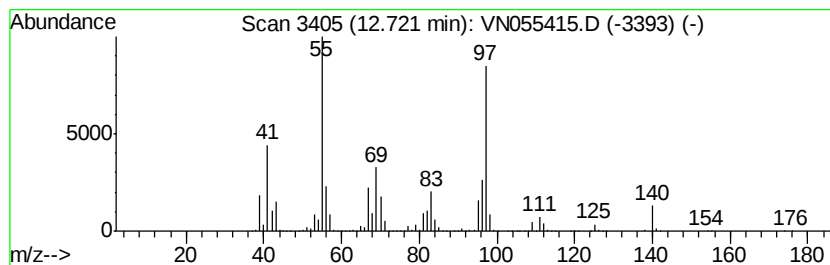
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, 1-methyl-3-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	326.27 ug/l	12395200	1,4-Dichlorobenzene-d4	13.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-methyl-3-propyl-	140 C10H20	004291-80-9 72
2		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 64
3		Cyclohexane, 1,3-dimethyl-, cis-	112 C8H16	000638-04-0 58
4		3-Hexene, 3-ethyl-2,5-dimethyl-	140 C10H20	062338-08-3 58
5		2,4-Dimethyl-1,5-diazabicyclo[3....	112 C6H12N2	100463-01-2 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

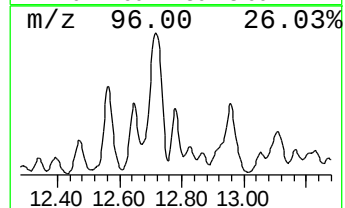
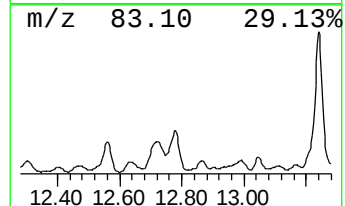
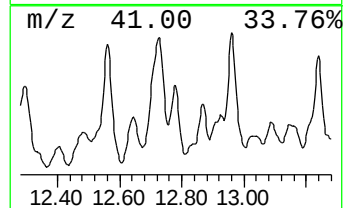
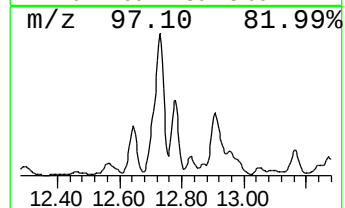
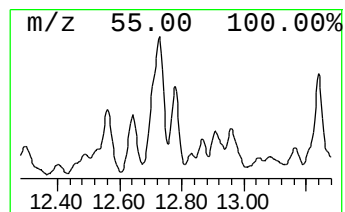
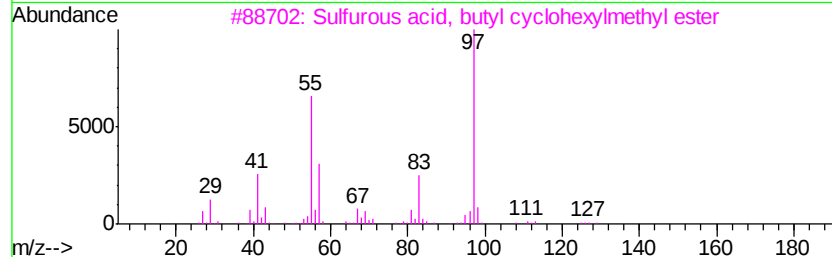
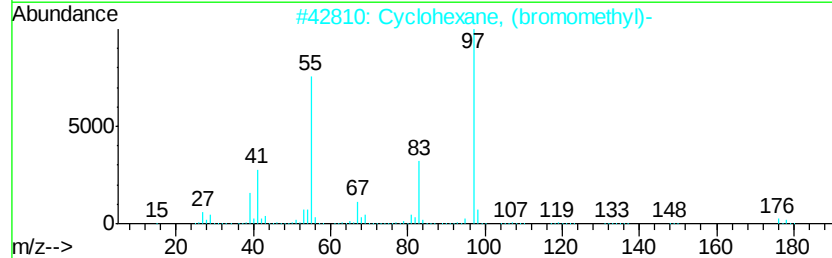
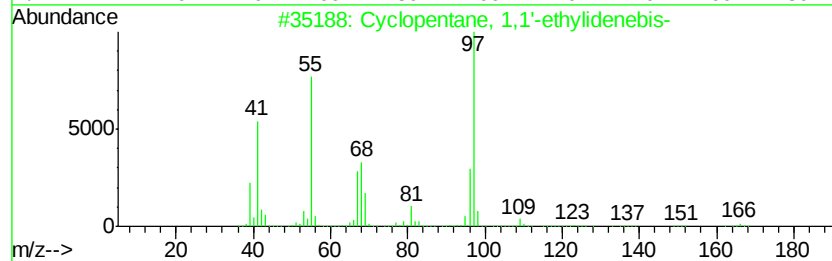
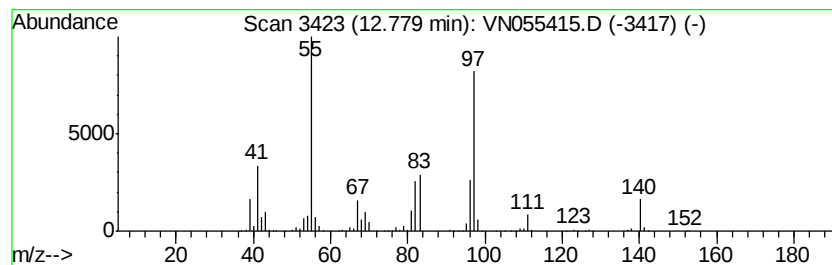
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

Peak Number 7 Cyclopentane, 1,1'-ethylide... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	105.79 ug/l	4018940	1,4-Dichlorobenzene-d4	13.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopentane, 1,1'-ethylidenebis-	166 C12H22	004413-21-2 53
2		Cyclohexane, (bromomethyl)-	176 C7H13Br	002550-36-9 53
3		Sulfurous acid, butyl cyclohexyl...	234 C11H22O3S	1000309-21-4 53
4		Ethanone, 1-(1-methylcyclohexyl)-	140 C9H16O	002890-62-2 53
5		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

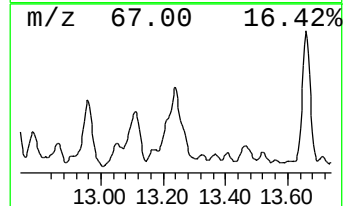
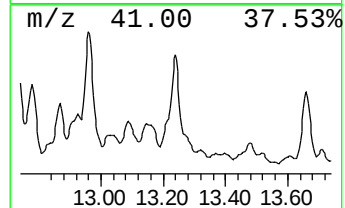
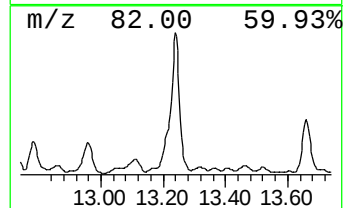
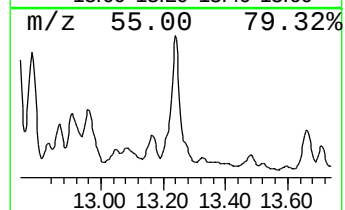
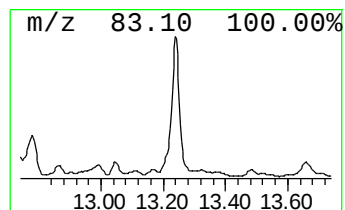
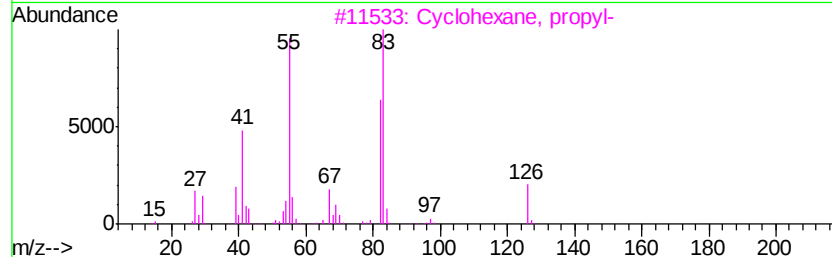
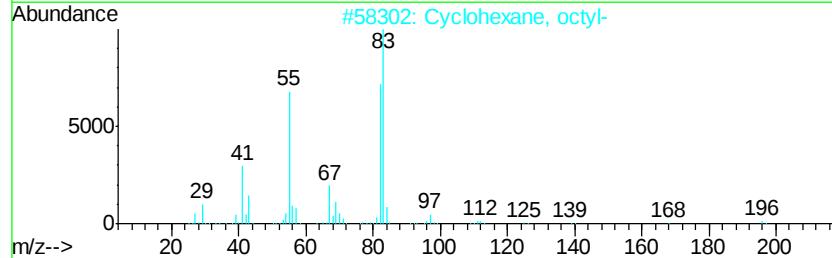
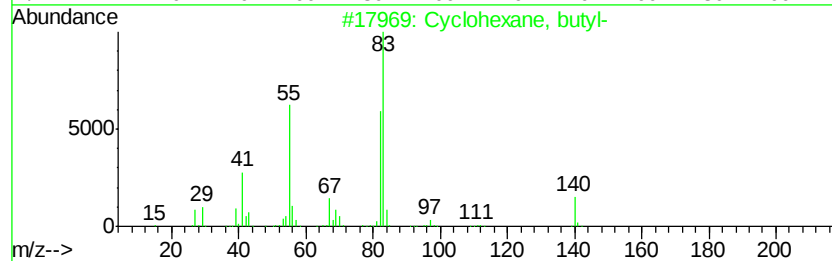
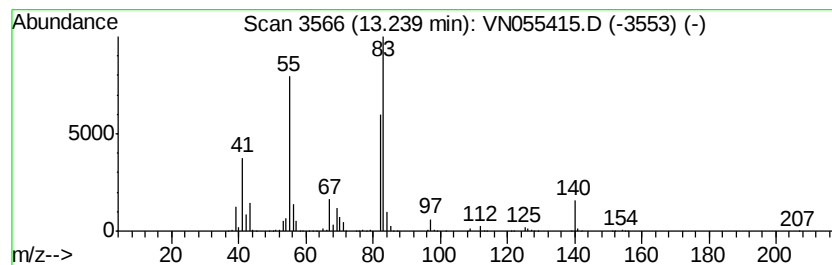
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, butyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	215.00 ug/l	8167820	1,4-Dichlorobenzene-d4	13.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, butyl-	140	C10H20	001678-93-9	95
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	86
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	86
4		Cyclohexane, pentyl-	154	C11H22	004292-92-6	86
5		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25u/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

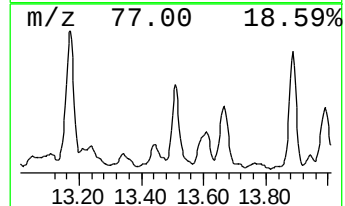
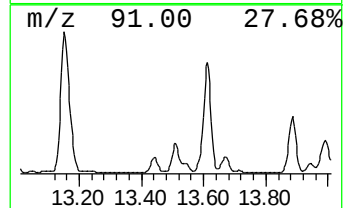
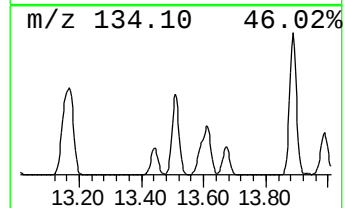
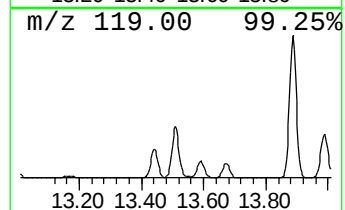
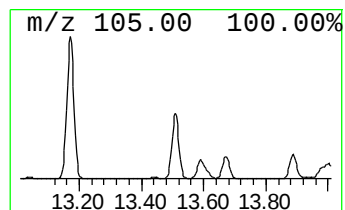
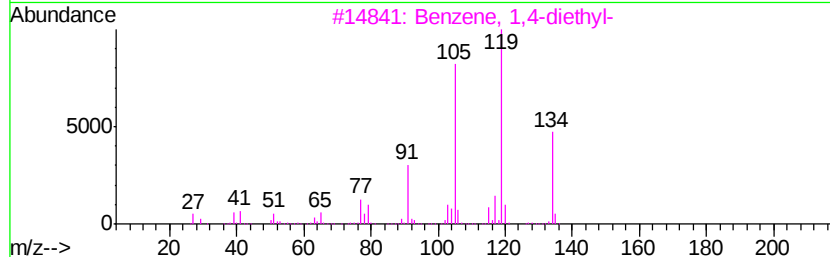
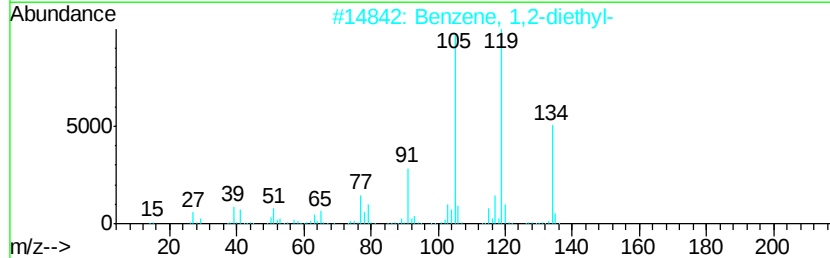
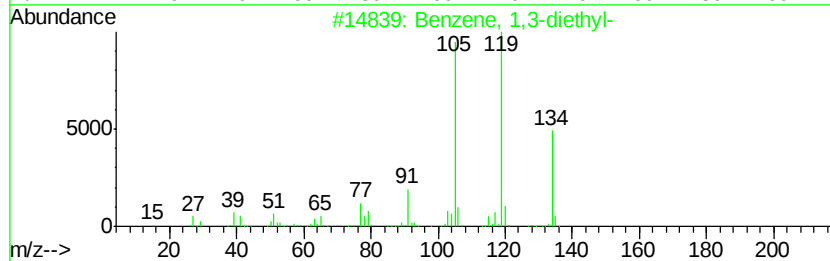
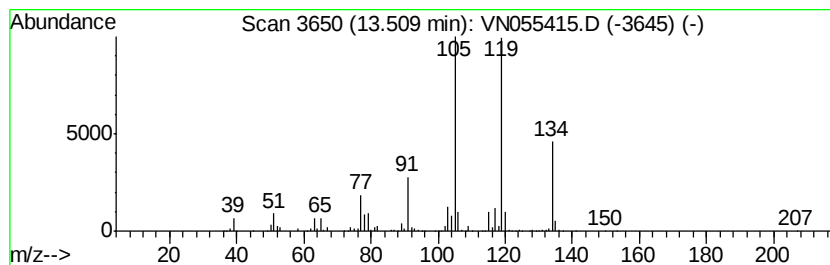
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	86.48 ug/l	3285290	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

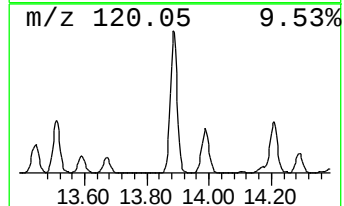
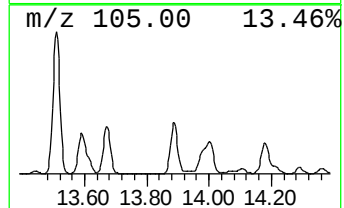
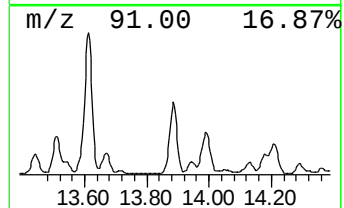
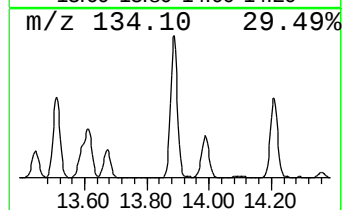
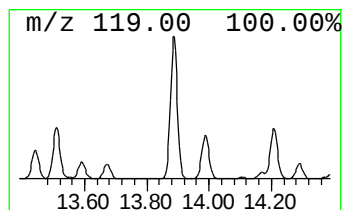
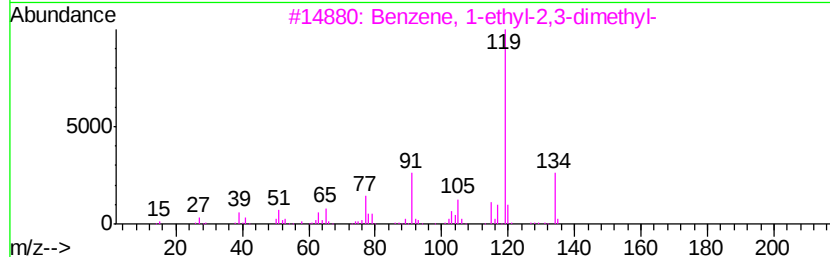
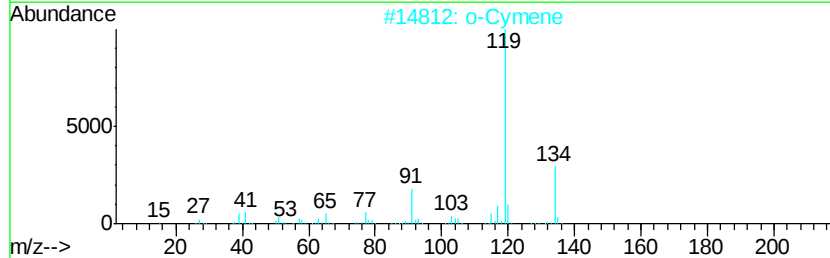
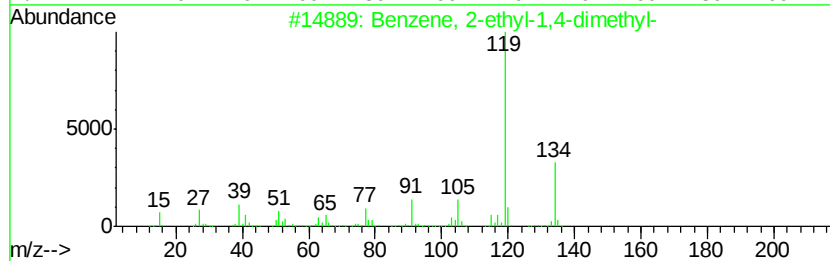
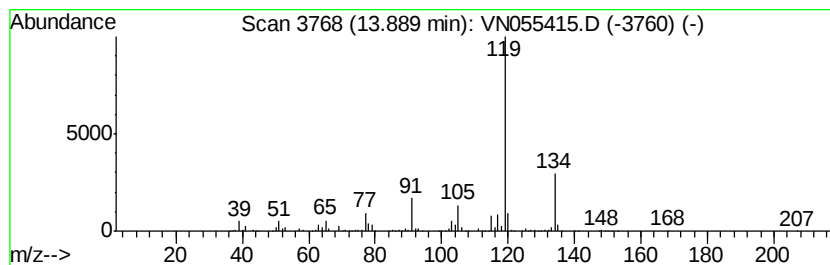
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	107.57 ug/l	4086610	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	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050619\
Data File : VN055415.D
Acq On : 6 May 2019 13:39
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.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
1-Ethyl-4-methylc...	11.65	86.1	ug/l	5079130	3	11.41	2948580	50.0
Cyclohexane, 1-et...	11.92	159.3	ug/l	9391250	3	11.41	2948580	50.0
Pentalene, octahy...	12.12	91.5	ug/l	5397890	3	11.41	2948580	50.0
Cyclohexane, propyl-	12.17	179.9	ug/l	10610900	3	11.41	2948580	50.0
cis-1,4-Dimethyl-...	12.48	114.5	ug/l	4348560	4	13.34	1899540	50.0
Cyclohexane, 1-me...	12.72	326.3	ug/l	12395200	4	13.34	1899540	50.0
Cyclopentane, 1,1...	12.78	105.8	ug/l	4018940	4	13.34	1899540	50.0
Cyclohexane, butyl-	13.24	215.0	ug/l	8167820	4	13.34	1899540	50.0
Benzene, 1,3-diet...	13.51	86.5	ug/l	3285290	4	13.34	1899540	50.0
Benzene, 2-ethyl-...	13.89	107.6	ug/l	4086610	4	13.34	1899540	50.0