

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
 Data File : VN055382.D
 Acq On : 3 May 2019 12:02
 Operator : JC/SP
 Sample : K2658-07 10X
 Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-E3-4(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\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	1788	1810	1821	rBV2	313035	801741	1.91%	0.222%
2	7.667	1821	1833	1853	rVB	514056	1235320	2.95%	0.343%
3	8.027	1926	1945	1970	rBV	344001	823557	1.96%	0.229%
4	8.587	2099	2119	2159	rBV	840171	1837227	4.38%	0.510%
5	9.728	2462	2474	2496	rVB3	176719	439030	1.05%	0.122%
6	10.088	2572	2586	2616	rBV	1423882	3093256	7.38%	0.858%
7	10.432	2685	2693	2708	rVB	293302	545737	1.30%	0.151%
8	10.718	2763	2782	2794	rVB	1143239	1954928	4.66%	0.542%
9	10.818	2798	2813	2826	rBV	634195	1382996	3.30%	0.384%
10	10.886	2827	2834	2842	rBV4	276284	479771	1.14%	0.133%
11	11.005	2860	2871	2882	rBV2	2323509	4112696	9.81%	1.141%
12	11.120	2895	2907	2915	rBV4	1516568	2809797	6.70%	0.780%
13	11.194	2916	2930	2950	rVB6	2325375	6939441	16.56%	1.926%
14	11.297	2950	2962	2984	rBV	3786467	6897088	16.45%	1.914%
15	11.407	2985	2996	3005	rBV	1164071	2209390	5.27%	0.613%
16	11.542	3030	3038	3044	rVV	1017388	1539614	3.67%	0.427%
17	11.593	3044	3054	3063	rVV6	1765842	3953871	9.43%	1.097%
18	11.654	3063	3073	3080	rVV2	4161857	7819577	18.66%	2.170%
19	11.696	3081	3086	3096	rVB3	2948493	4663165	11.13%	1.294%
20	11.760	3096	3106	3112	rBV2	696243	1280866	3.06%	0.355%
21	11.850	3127	3134	3142	rVB4	1192665	1802331	4.30%	0.500%
22	11.921	3142	3156	3169	rBV6	5221264	13125381	31.31%	3.642%
23	12.043	3187	3194	3202	rBV	6316659	8388729	20.01%	2.328%
24	12.120	3210	3218	3222	rBV4	3897901	5949684	14.19%	1.651%
25	12.162	3223	3231	3248	rVB5	9135290	18159014	43.32%	5.039%
26	12.297	3265	3273	3279	rBV8	2745935	5079485	12.12%	1.410%
27	12.336	3280	3285	3295	rVB	6779048	10049086	23.97%	2.789%
28	12.403	3295	3306	3315	rBV6	2179090	4443529	10.60%	1.233%
29	12.487	3316	3332	3338	rBV8	1724139	4962579	11.84%	1.377%
30	12.561	3347	3355	3371	rVB3	8681946	18373071	43.83%	5.098%
31	12.644	3371	3381	3388	rBV5	3331312	6592850	15.73%	1.829%
32	12.725	3391	3406	3416	rVV7	10198971	29433582	70.22%	8.168%
33	12.779	3417	3423	3433	rVB3	5554146	8977058	21.42%	2.491%
34	12.866	3443	3450	3457	rBV4	2740955	3818147	9.11%	1.060%

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Integrator: RTE
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35	12.905	3458	3462	3466	rBV2	1012747	1262243	3.01%	0.350%
36	12.960	3472	3479	3493	rVB3	7179354	12951394	30.90%	3.594%
37	13.040	3493	3504	3514	rBV	25911304	41915502	100.00%	11.631%
38	13.169	3532	3544	3551	rBV6	3342650	6561820	15.65%	1.821%
39	13.239	3552	3566	3574	rBV4	7925775	16028628	38.24%	4.448%
40	13.374	3601	3608	3624	rVB	5666001	9257176	22.09%	2.569%
41	13.593	3667	3676	3688	rBV3	3859201	9272113	22.12%	2.573%
42	13.660	3689	3697	3707	rVB4	6668133	11735162	28.00%	3.256%
43	13.799	3734	3740	3745	rBV3	3133620	4519544	10.78%	1.254%
44	13.831	3745	3750	3759	rVV	4378370	6701279	15.99%	1.860%
45	13.886	3760	3767	3777	rVB	5925110	9473457	22.60%	2.629%
46	13.992	3791	3800	3810	rVB4	4055776	7090452	16.92%	1.968%
47	14.069	3811	3824	3832	rBV7	1195774	2845738	6.79%	0.790%
48	14.127	3836	3842	3848	rVB2	1200760	1525704	3.64%	0.423%
49	14.172	3848	3856	3862	rBV4	1960140	3581082	8.54%	0.994%
50	14.246	3873	3879	3887	rVB	3408589	4843523	11.56%	1.344%
51	14.291	3887	3893	3899	rBV3	1195431	1513249	3.61%	0.420%
52	14.329	3899	3905	3912	rVB2	1050711	1334216	3.18%	0.370%
53	14.477	3943	3951	3958	rBV3	649664	1391520	3.32%	0.386%
54	14.522	3960	3965	3973	rVB	1223722	1688668	4.03%	0.469%
55	14.580	3973	3983	3996	rBV2	3853850	7218801	17.22%	2.003%
56	14.648	3997	4004	4014	rVB2	641079	1007665	2.40%	0.280%
57	14.738	4025	4032	4040	rVB	614762	838613	2.00%	0.233%
58	14.850	4060	4067	4072	rBV3	459406	648388	1.55%	0.180%
59	14.953	4091	4099	4118	rVB4	551984	1189382	2.84%	0.330%

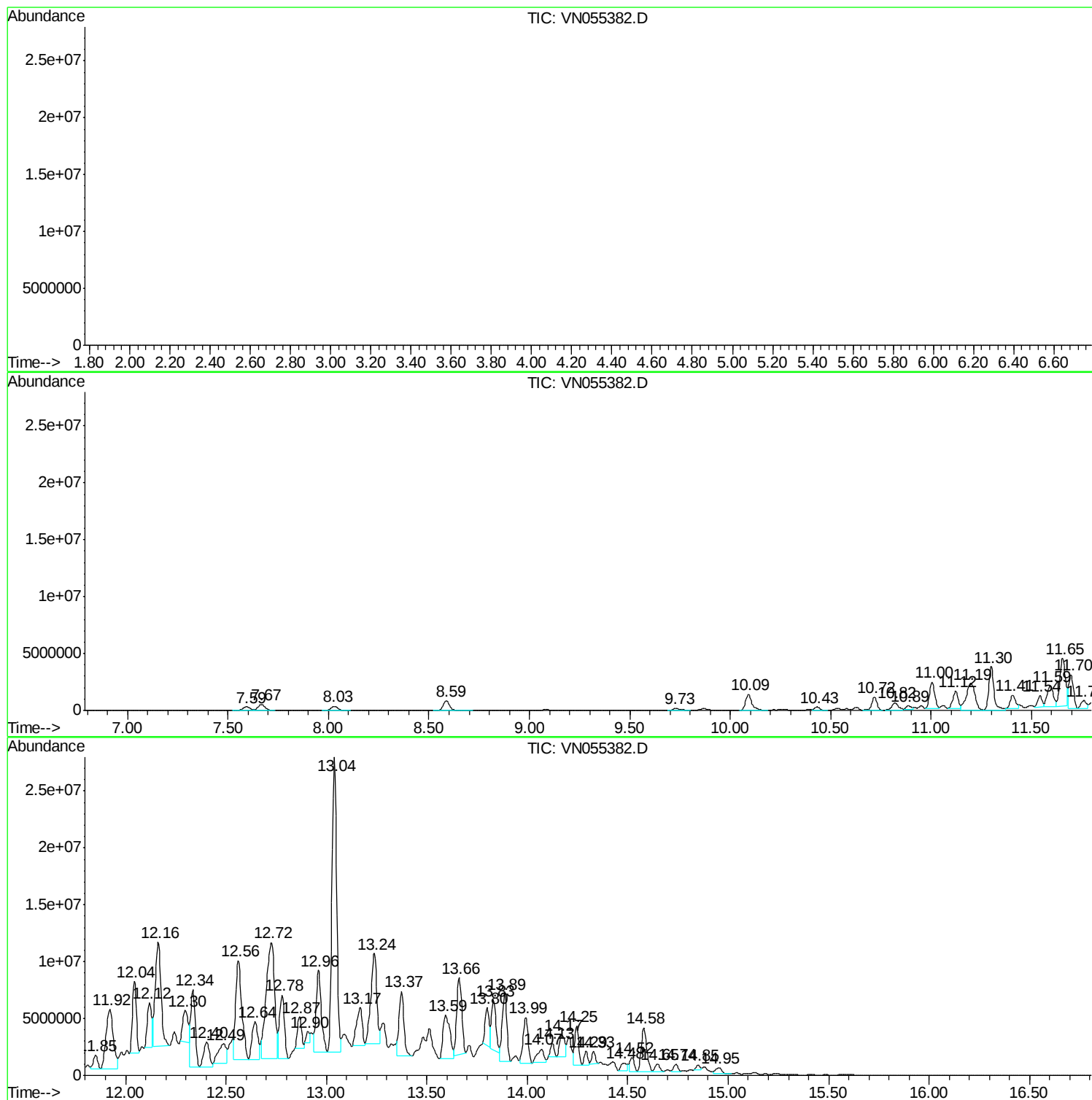
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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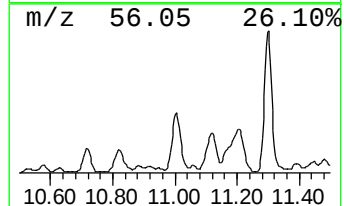
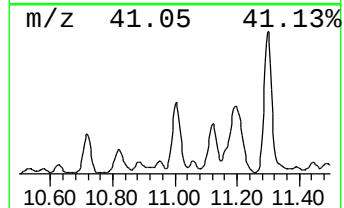
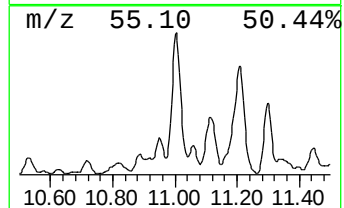
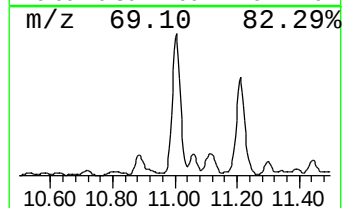
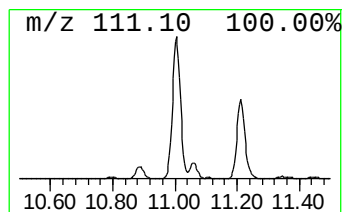
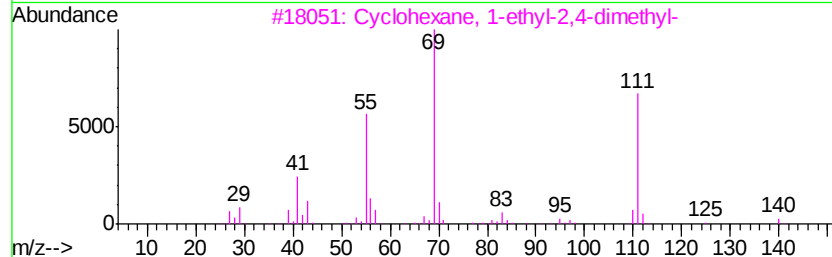
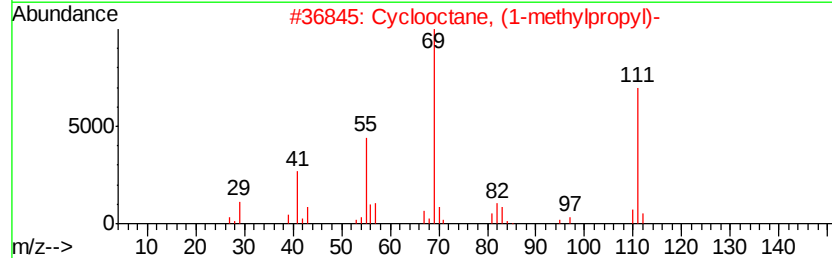
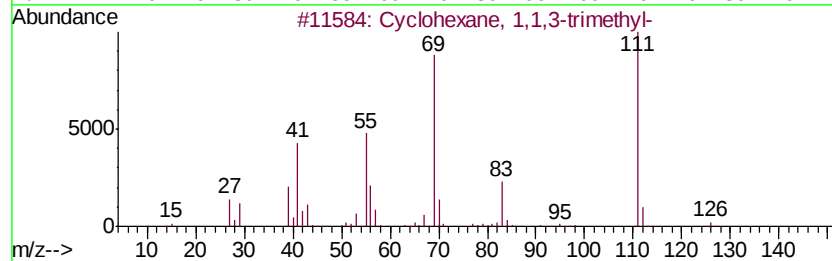
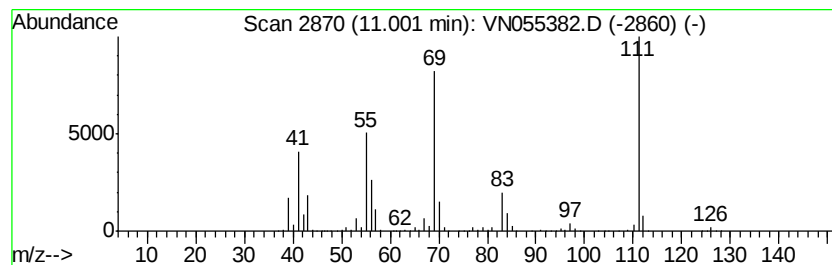
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.00	93.07 ug/l	4112700	Chlorobenzene-d5	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
4	Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



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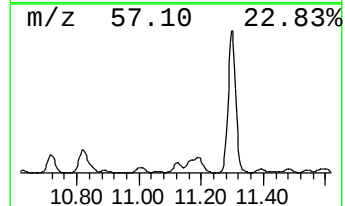
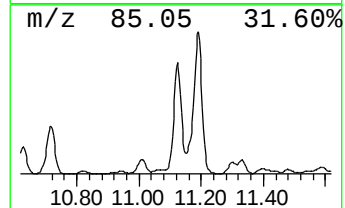
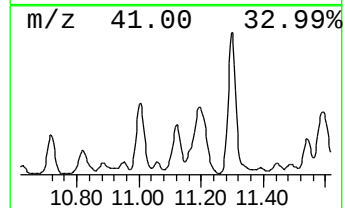
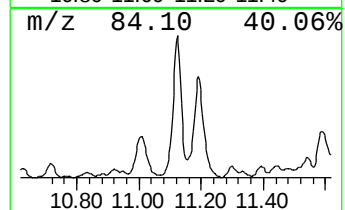
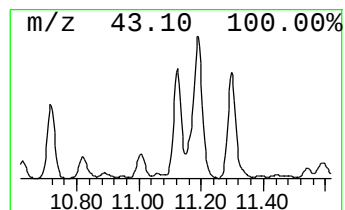
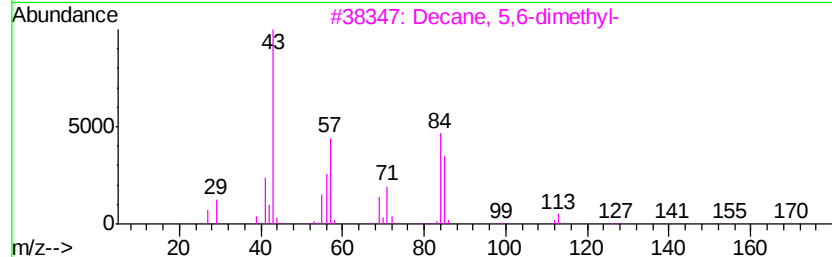
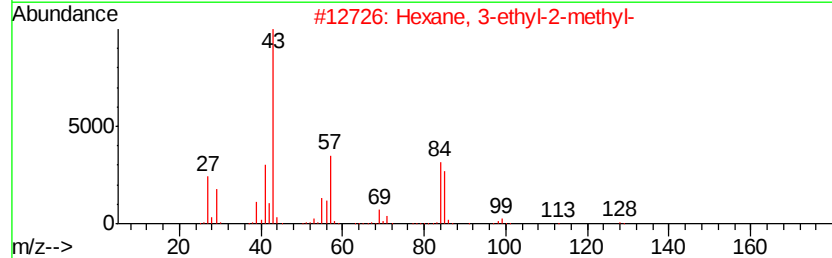
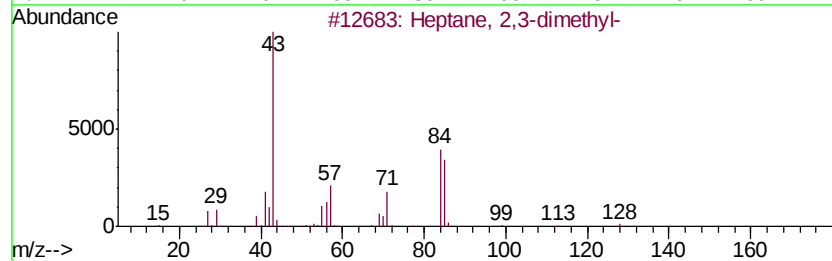
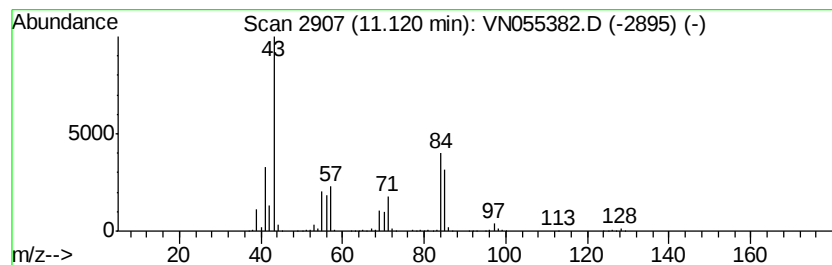
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	63.59 ug/l	2809800	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane, 2,3-dimethyl-	128 C9H20	003074-71-3	91
2	Hexane, 3-ethyl-2-methyl-	128 C9H20	016789-46-1	80
3	Decane, 5,6-dimethyl-	170 C12H26	001636-43-7	78
4	1-Octene, 4-methyl-	126 C9H18	013151-12-7	64
5	Heptane, 2,4-dimethyl-	128 C9H20	002213-23-2	53



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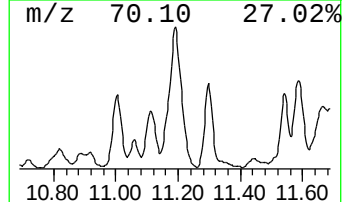
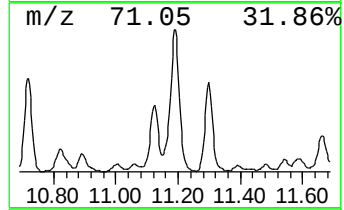
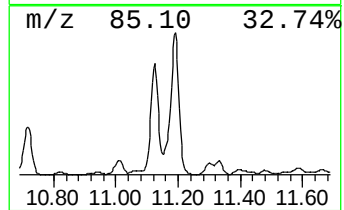
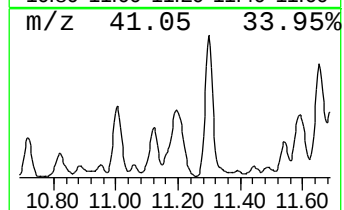
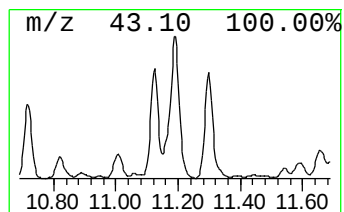
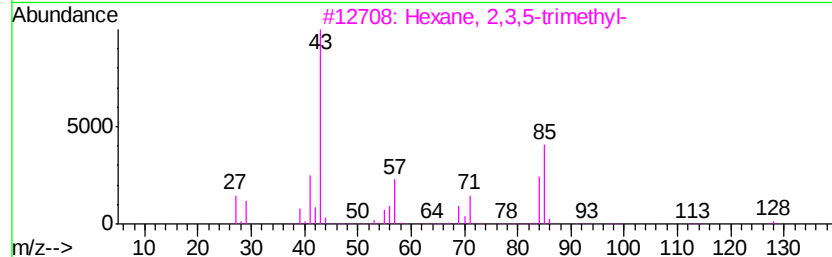
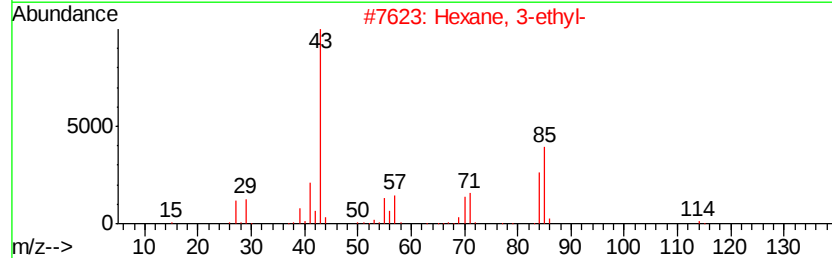
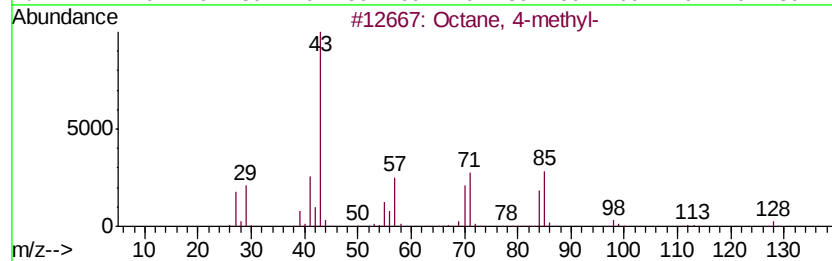
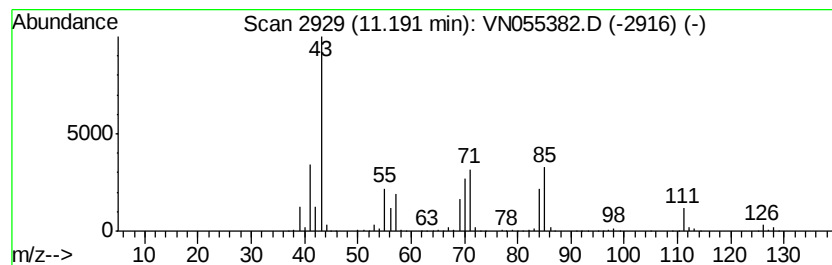
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Quant Title : SW846 8260

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

Peak Number 3 Octane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	157.04 ug/l	6939440	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 4-methyl-	128	C9H20	002216-34-4	76
2		Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
3		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	52
4		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5		Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	47



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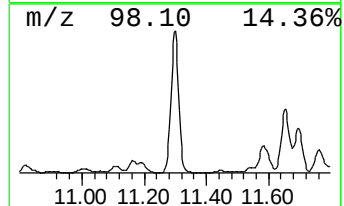
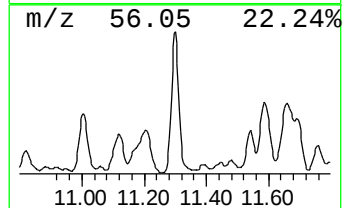
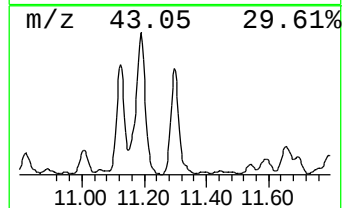
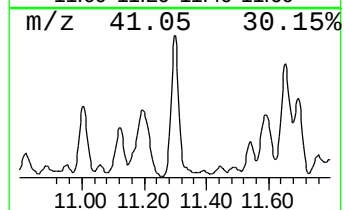
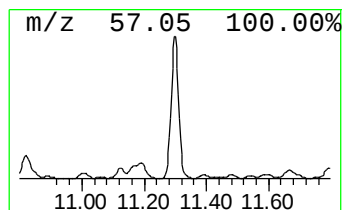
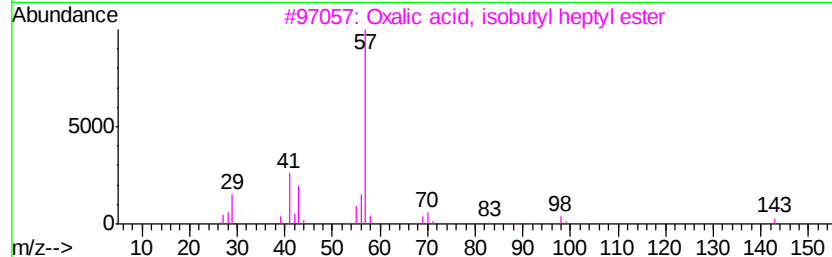
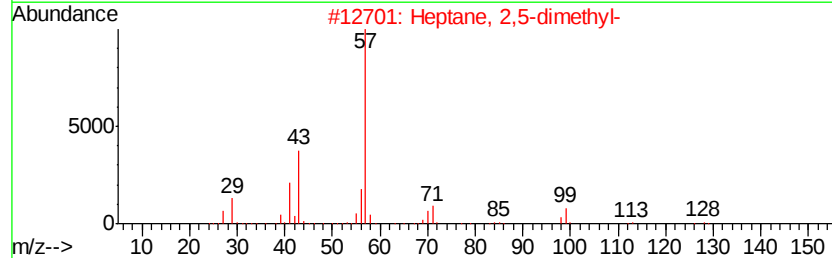
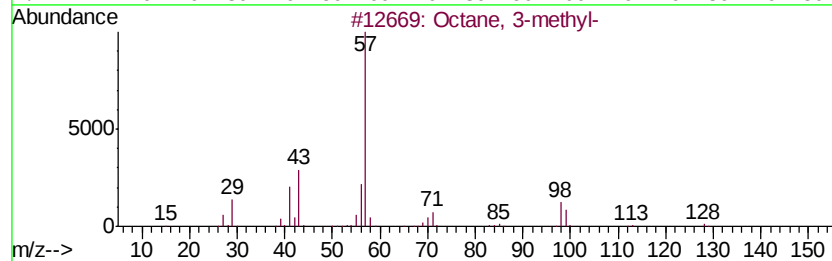
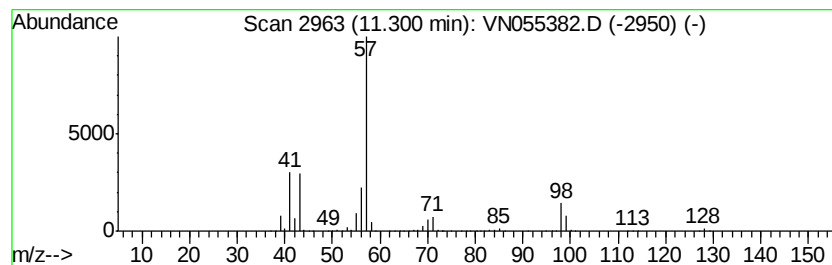
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Peak Number 4 Octane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	156.09 ug/l	6897090	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 3-methyl-	128 C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128 C9H20	002216-30-0	72
3	Oxalic acid, isobutyl heptyl ester	244 C13H24O4	1000309-37-2	64
4	Heptane, 4-(1-methylethyl)-	142 C10H22	052896-87-4	59
5	Undecane, 6-methyl-	170 C12H26	017302-33-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

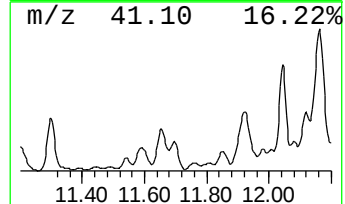
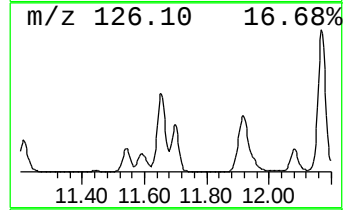
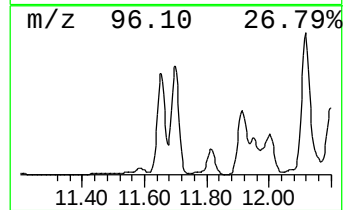
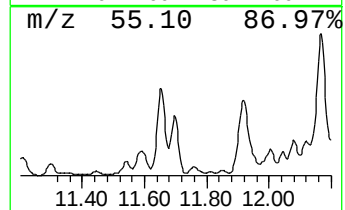
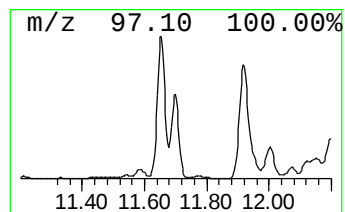
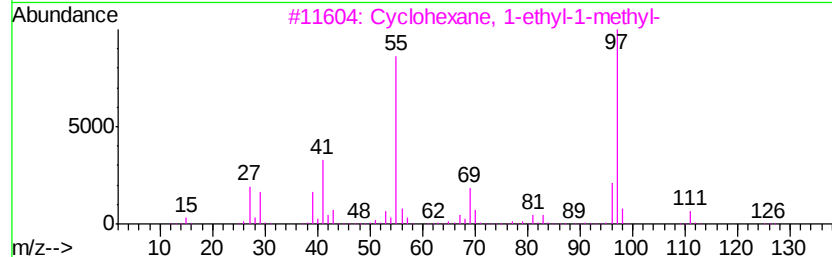
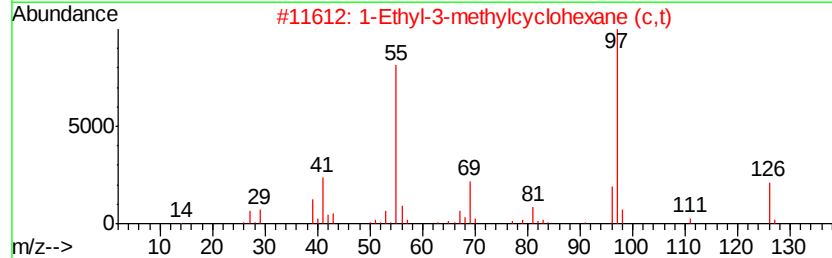
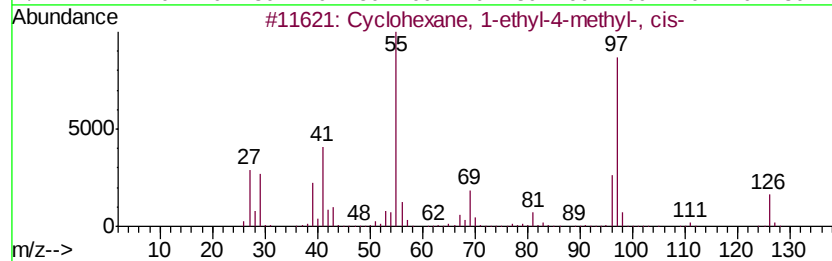
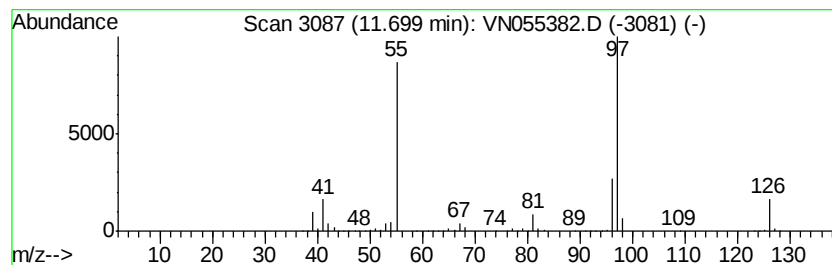
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MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

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 5 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.70	105.53 ug/l	4663170	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
2		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
4		Cyclopentane, 1-hydroxymethyl-1,...	128	C8H16O	1000156-73-8	72
5		Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

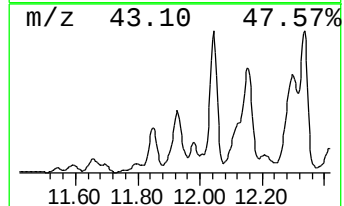
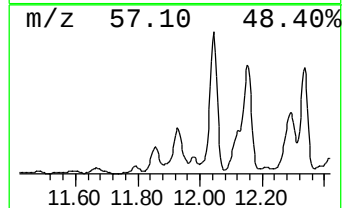
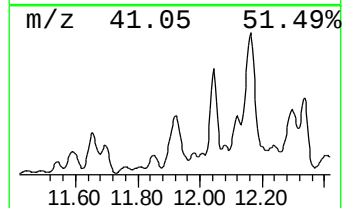
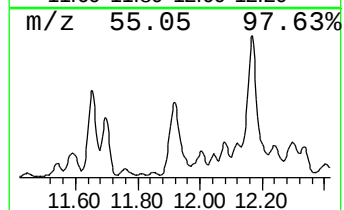
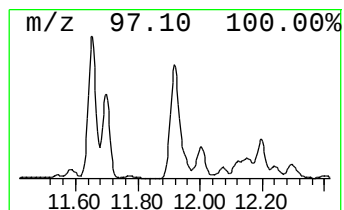
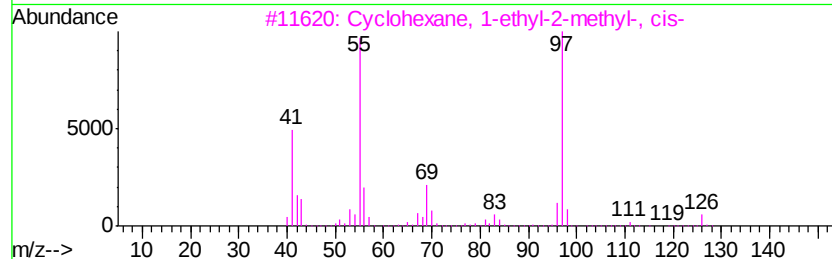
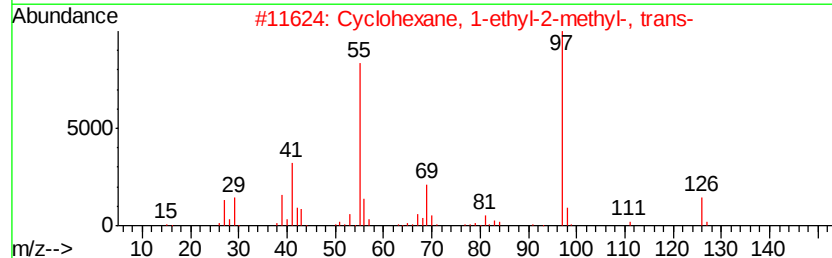
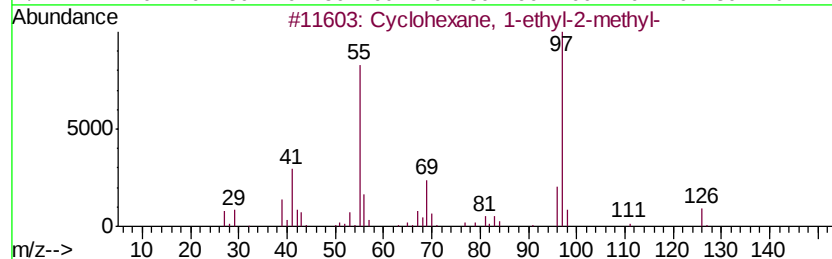
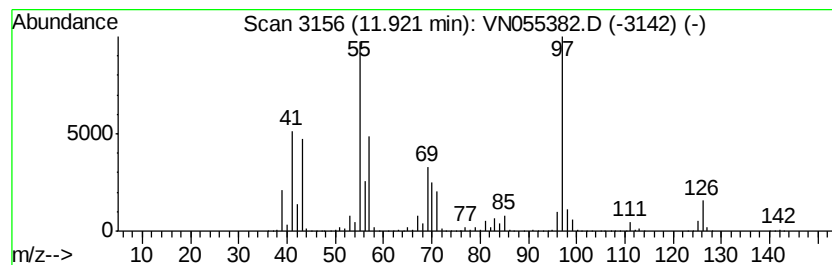
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

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-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.92	297.04 ug/l	13125400	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
3		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

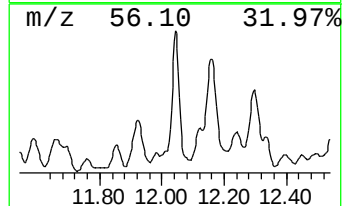
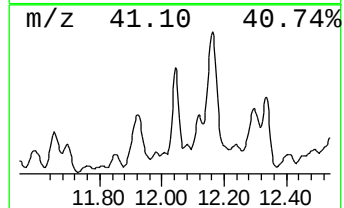
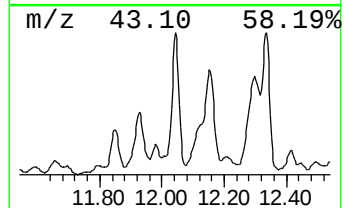
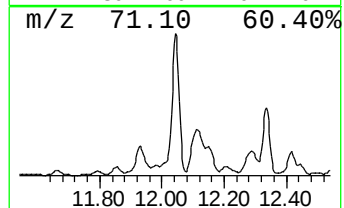
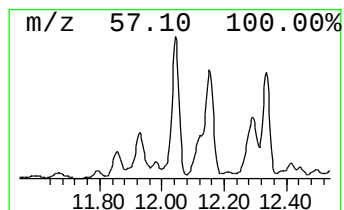
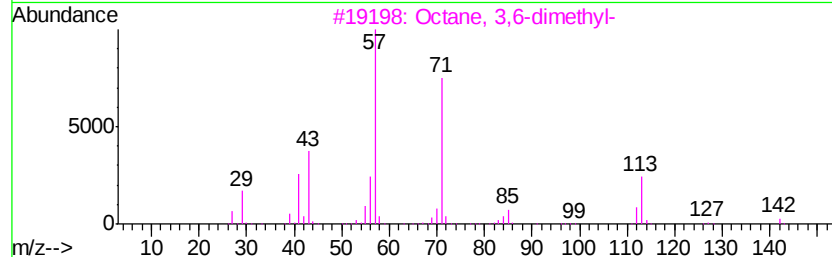
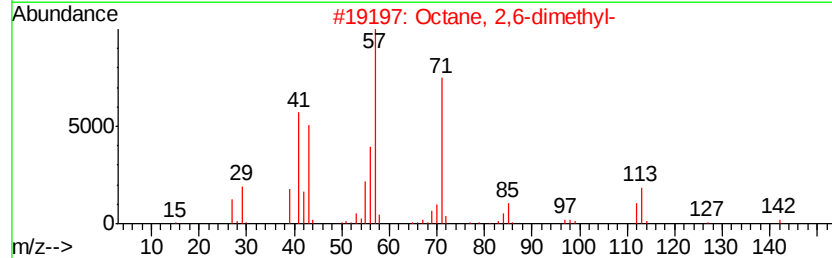
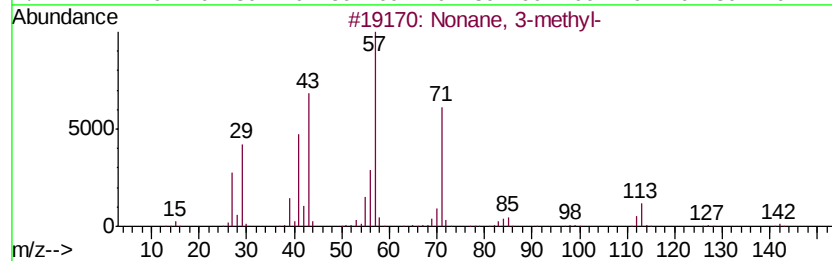
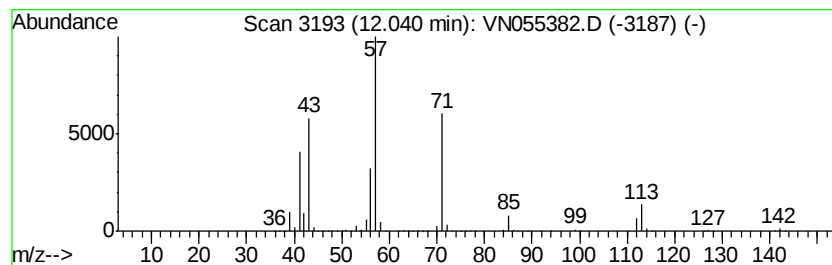
Instrument :
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ClientSampleId :
EP1-SB-E3-4(14-17)

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 Nonane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.04	189.84 ug/l	8388730	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

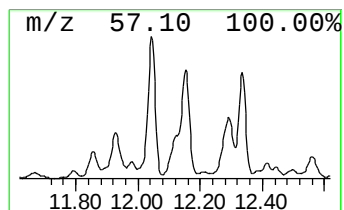
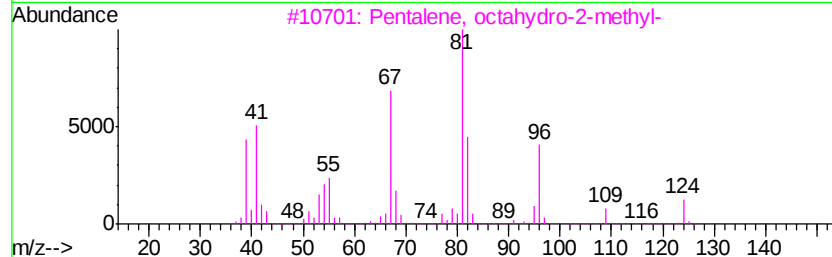
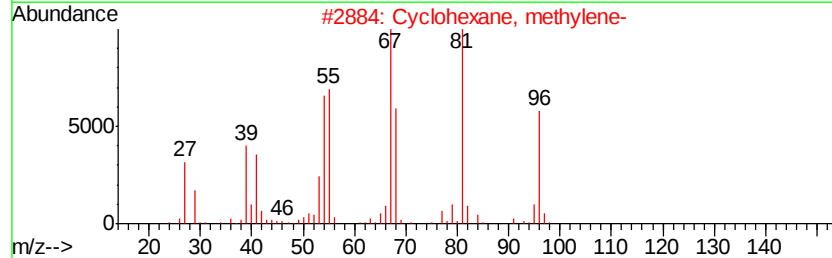
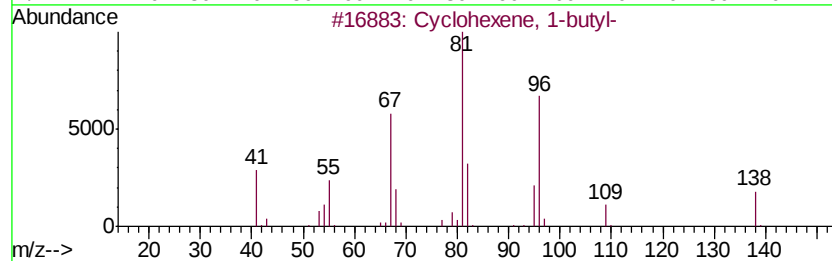
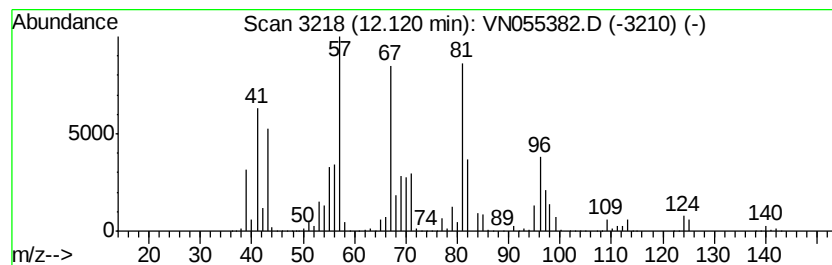
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ClientSampleId :
EP1-SB-E3-4(14-17)

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 8 Cyclohexene, 1-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.12	134.65 ug/l	5949680	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	58	
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	58	
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46	
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46	
5	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-31-2	46	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

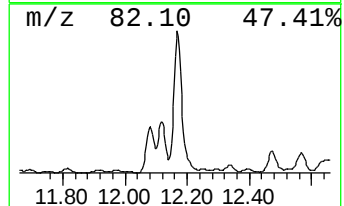
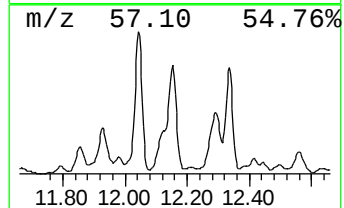
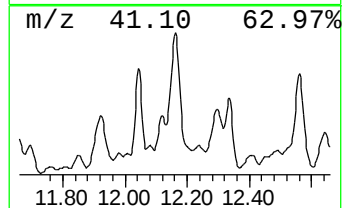
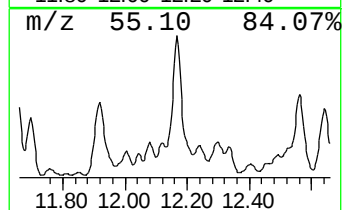
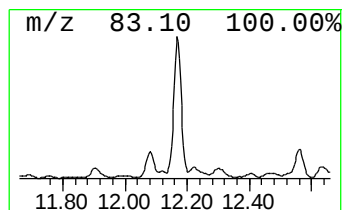
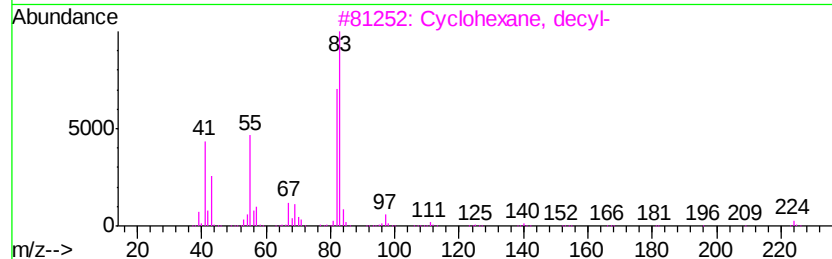
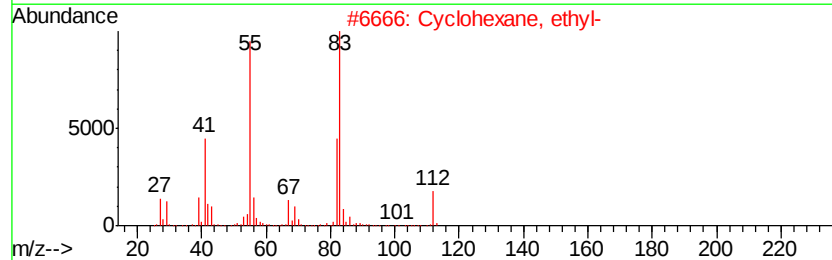
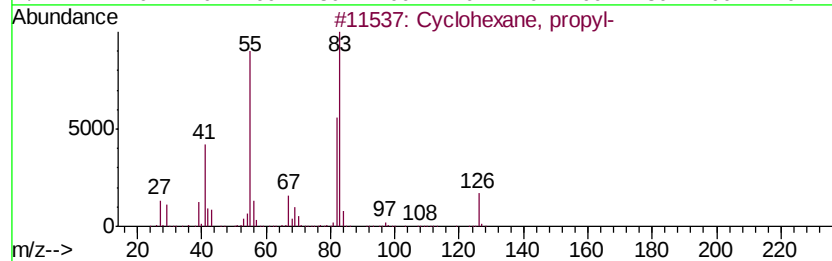
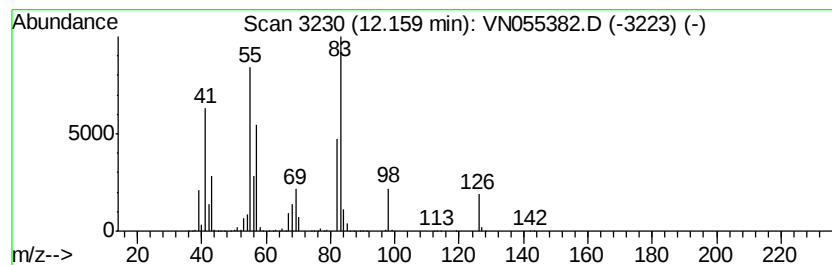
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	410.95 ug/l	18159000	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3		Cyclohexane, decyl-	224	C16H32	001795-16-0	59
4		Cyclohexane, methyl-	98	C7H14	000108-87-2	53
5		1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	53



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

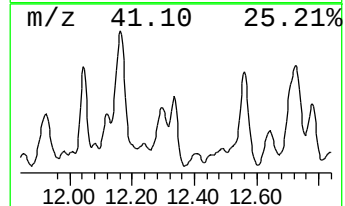
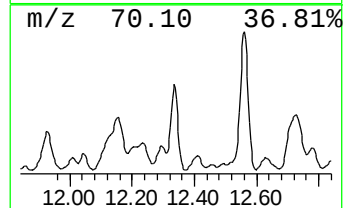
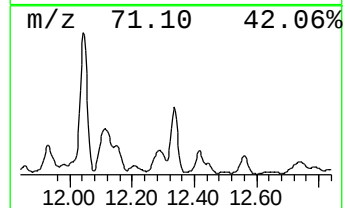
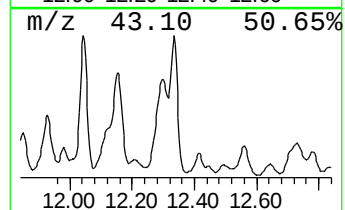
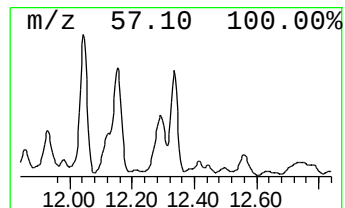
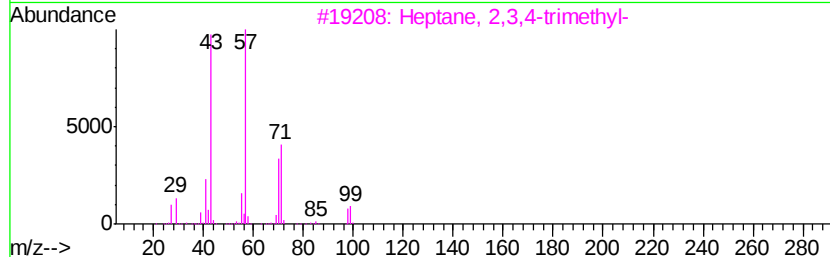
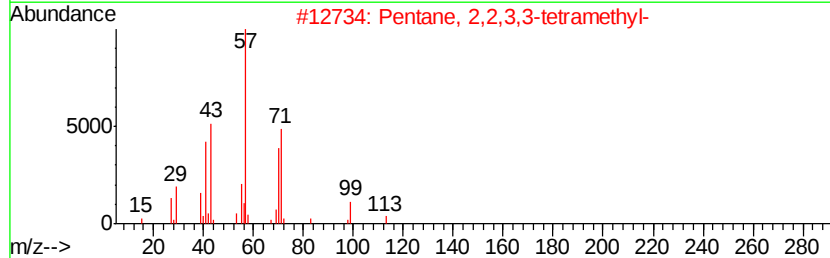
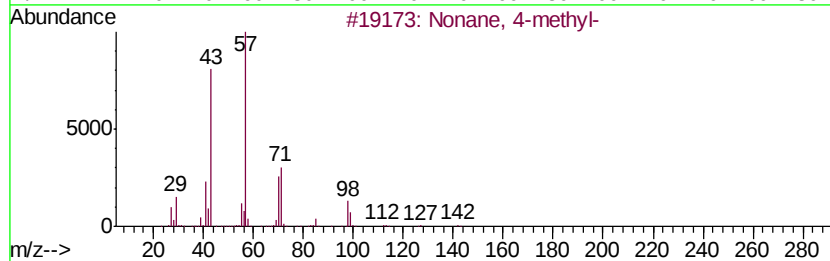
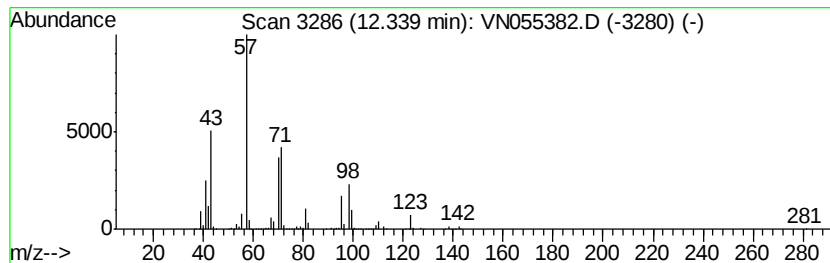
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260

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

Peak Number 10 Nonane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	227.42 ug/l	10049100	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	49
5		Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	43



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050319\
Data File : VN055382.D
Acq On : 3 May 2019 12:02
Operator : JC/SP
Sample : K2658-07 10X
Misc : 6.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E3-4(14-17)

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
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Heptane, 2,3-dime...	11.12	63.6	ug/l	2809800	3	11.41	2209390	50.0
Octane, 4-methyl-	11.19	157.0	ug/l	6939440	3	11.41	2209390	50.0
Octane, 3-methyl-	11.30	156.1	ug/l	6897090	3	11.41	2209390	50.0
Cyclohexane, 1-et...	11.70	105.5	ug/l	4663170	3	11.41	2209390	50.0
Cyclohexane, 1-et...	11.92	297.0	ug/l	13125400	3	11.41	2209390	50.0
Nonane, 3-methyl-	12.04	189.8	ug/l	8388730	3	11.41	2209390	50.0
Cyclohexene, 1-bu...	12.12	134.7	ug/l	5949680	3	11.41	2209390	50.0
Cyclohexane, propyl-	12.16	410.9	ug/l	18159000	3	11.41	2209390	50.0
Nonane, 4-methyl-	12.34	227.4	ug/l	10049100	3	11.41	2209390	50.0