

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055368.D
 Acq On : 2 May 2019 23:52
 Operator : JC/SP
 Sample : K2658-04 10X
 Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 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	1787	1810	1821	rBV	283345	711300	4.45%	0.399%
2	7.667	1821	1833	1855	rVB2	452554	1101304	6.89%	0.618%
3	8.030	1928	1946	1970	rBV	318703	753899	4.72%	0.423%
4	8.587	2103	2119	2164	rBV	767398	1687857	10.56%	0.947%
5	10.091	2573	2587	2617	rBV	1278196	2633888	16.47%	1.478%
6	10.255	2630	2638	2656	rVB5	95836	234134	1.46%	0.131%
7	10.432	2661	2693	2709	rVB	282093	623465	3.90%	0.350%
8	10.532	2709	2724	2732	rBV2	148668	315630	1.97%	0.177%
9	10.625	2746	2753	2763	rVB	143098	226038	1.41%	0.127%
10	10.718	2771	2782	2794	rVB	438330	736224	4.60%	0.413%
11	10.821	2800	2814	2827	rBV	364963	768621	4.81%	0.431%
12	10.889	2827	2835	2842	rBV2	183466	329760	2.06%	0.185%
13	11.004	2860	2871	2882	rBV2	1197357	2197771	13.75%	1.233%
14	11.059	2882	2888	2896	rVB2	207888	295010	1.85%	0.166%
15	11.123	2896	2908	2916	rBV2	858448	1559722	9.75%	0.875%
16	11.210	2927	2935	2951	rVB	1131885	2158211	13.50%	1.211%
17	11.291	2951	2960	2968	rBV	321399	533933	3.34%	0.300%
18	11.406	2984	2996	3014	rBV	1037712	2307464	14.43%	1.295%
19	11.490	3015	3022	3030	rBV3	220312	361137	2.26%	0.203%
20	11.541	3030	3038	3045	rBV	746371	1167344	7.30%	0.655%
21	11.593	3045	3054	3063	rBV6	978365	1905267	11.92%	1.069%
22	11.654	3063	3073	3081	rBV2	3721909	6635220	41.50%	3.724%
23	11.696	3081	3086	3097	rVB3	2475128	4045995	25.30%	2.271%
24	11.757	3097	3105	3111	rBV3	455197	778740	4.87%	0.437%
25	11.812	3113	3122	3127	rBV3	443933	747337	4.67%	0.419%
26	11.853	3128	3135	3142	rVB3	1090603	1622626	10.15%	0.911%
27	11.921	3143	3156	3169	rBV7	4801176	11817465	73.91%	6.632%
28	12.046	3187	3195	3201	rBV	3935437	5233780	32.73%	2.937%
29	12.082	3202	3206	3209	rVV2	785303	803694	5.03%	0.451%
30	12.120	3210	3218	3223	rVV2	3962796	6513343	40.74%	3.655%
31	12.165	3224	3232	3250	rVB5	6656246	13690029	85.62%	7.683%
32	12.403	3295	3306	3316	rBV6	1816667	3505604	21.92%	1.967%
33	12.484	3316	3331	3339	rBV6	1791846	5366323	33.56%	3.012%
34	12.564	3348	3356	3372	rVB3	5422566	13142473	82.20%	7.376%

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35	12.644	3372	3381	3390	rBV6	2114591	4353156	27.23%	2.443%
36	12.728	3394	3407	3416	rVV5	6173351	15989294	100.00%	8.973%
37	12.779	3417	3423	3433	rVB2	3238036	5196711	32.50%	2.916%
38	12.866	3444	3450	3457	rVV5	1651880	2263426	14.16%	1.270%
39	12.927	3458	3469	3472	rVV3	1197489	2618230	16.37%	1.469%
40	12.959	3473	3479	3494	rVB3	5027275	8975500	56.13%	5.037%
41	13.168	3533	3544	3552	rVV6	2320618	4884364	30.55%	2.741%
42	13.239	3553	3566	3587	rVB	4556194	10468493	65.47%	5.875%
43	13.512	3646	3651	3668	rVB2	1720318	3602054	22.53%	2.021%
44	13.612	3669	3682	3688	rBV2	1112197	2409539	15.07%	1.352%
45	13.660	3688	3697	3708	rVB3	4108946	7144114	44.68%	4.009%
46	13.889	3760	3768	3777	rVB	2861194	4555317	28.49%	2.556%
47	13.940	3778	3784	3791	rVV2	402771	602686	3.77%	0.338%
48	13.992	3791	3800	3810	rVB5	1682498	2832536	17.72%	1.590%
49	14.110	3832	3837	3839	rBV5	182111	193200	1.21%	0.108%
50	14.175	3849	3857	3863	rBV4	947161	1857029	11.61%	1.042%
51	14.294	3886	3894	3899	rBV2	380574	622640	3.89%	0.349%
52	14.329	3899	3905	3912	rVV2	490826	712432	4.46%	0.400%
53	14.525	3961	3966	3974	rVB3	161316	219019	1.37%	0.123%
54	14.593	3976	3987	3996	rVV3	500127	952682	5.96%	0.535%
55	14.647	3997	4004	4014	rVB3	266417	436895	2.73%	0.245%
56	14.850	4062	4067	4073	rVB4	158673	195308	1.22%	0.110%
57	14.885	4074	4078	4090	rVV5	100401	216994	1.36%	0.122%
58	14.950	4091	4098	4112	rVB4	179534	375847	2.35%	0.211%

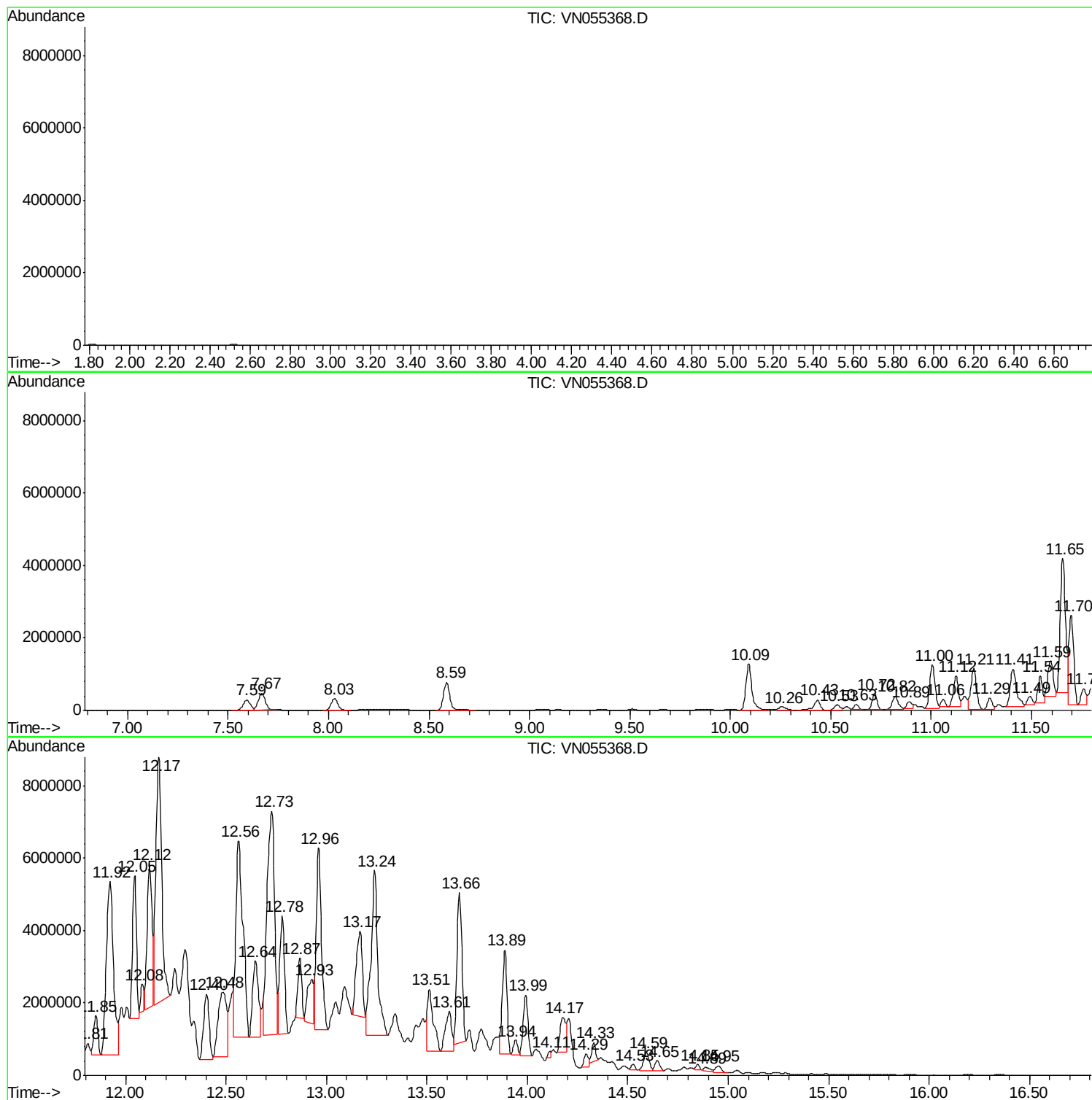
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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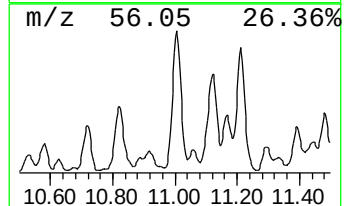
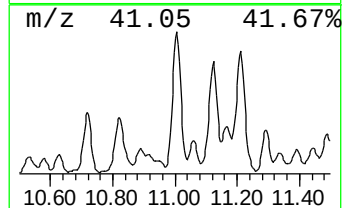
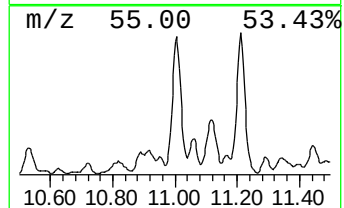
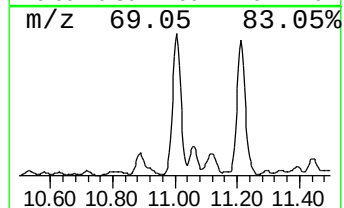
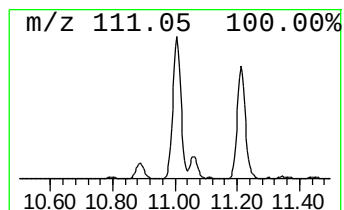
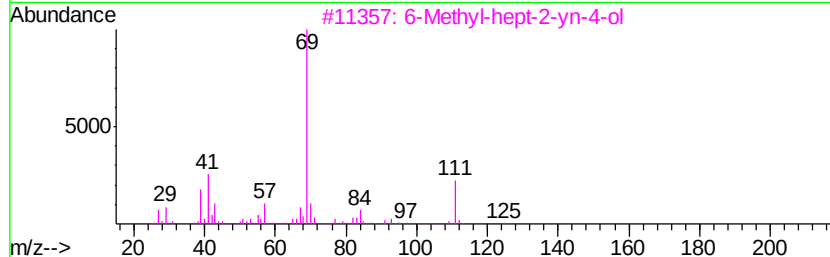
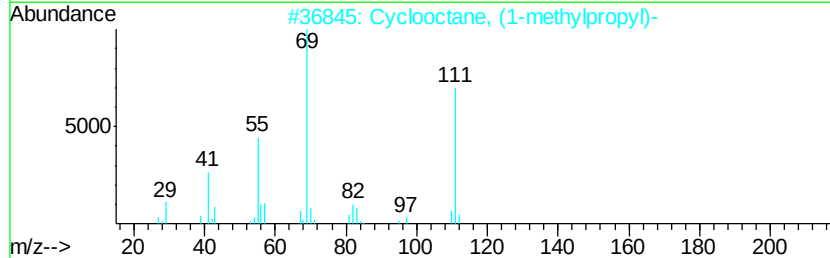
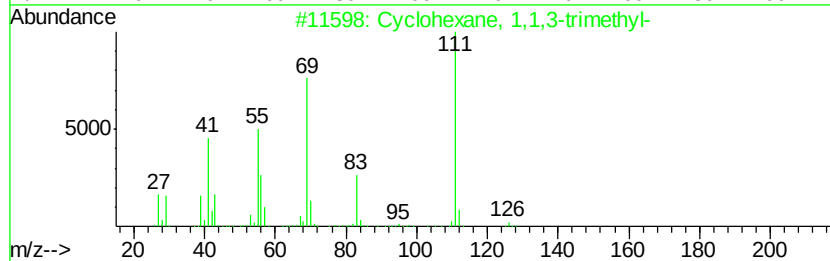
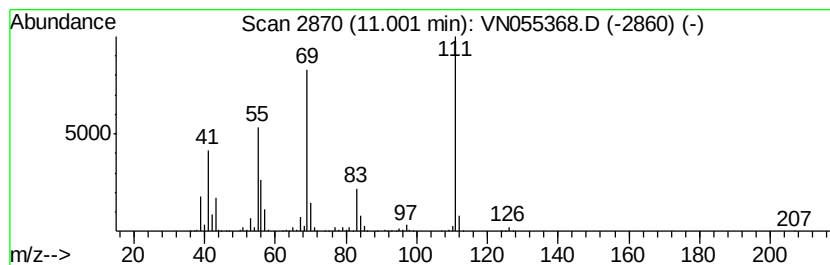
Instrument :
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ClientSampleId :
EP1-SB-E6(17-20)

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.00	47.62 ug/l	2197770	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		6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	64
4		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-31-7	64
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



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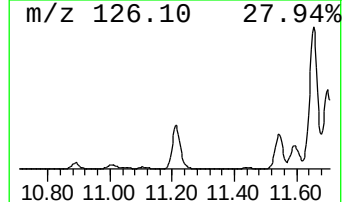
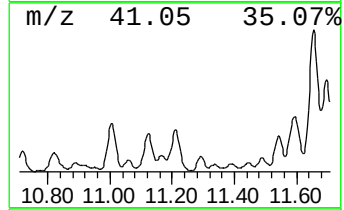
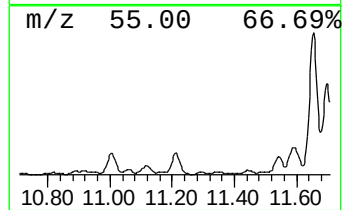
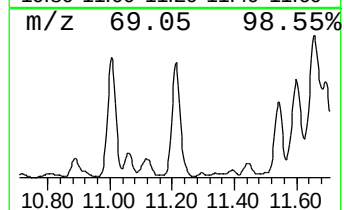
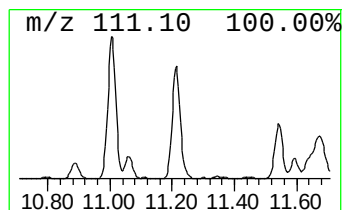
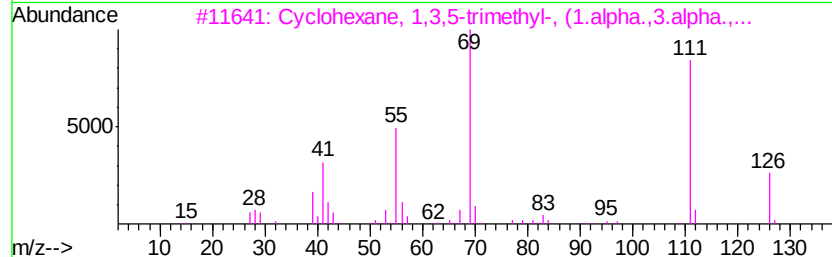
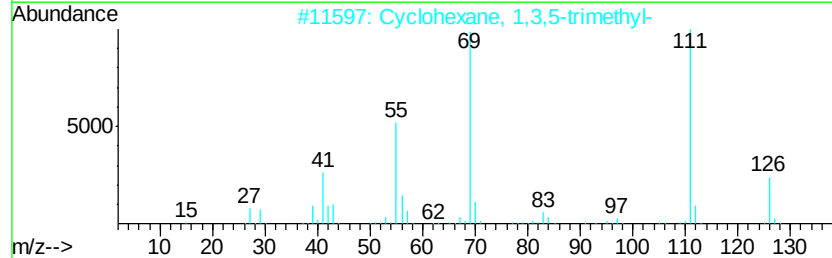
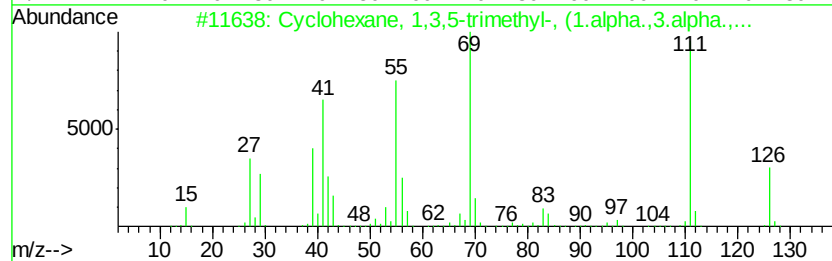
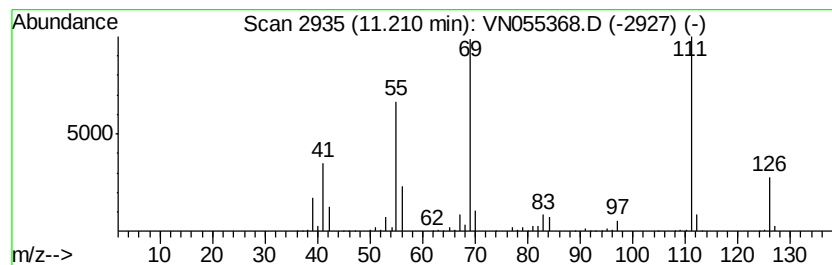
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TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,3,5-trimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	46.77 ug/l	2158210	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	93
2		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86
5		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72



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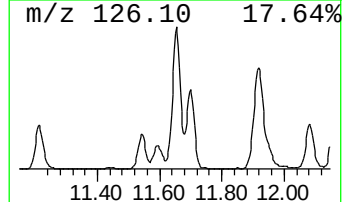
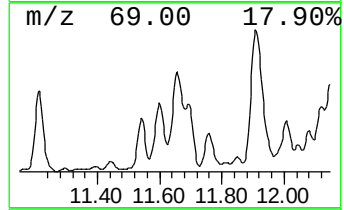
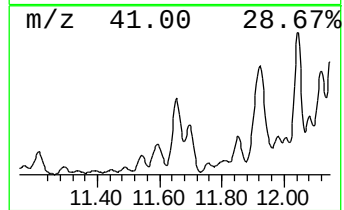
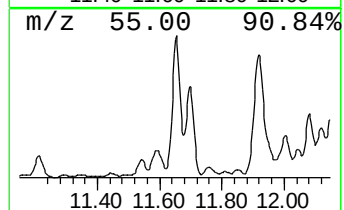
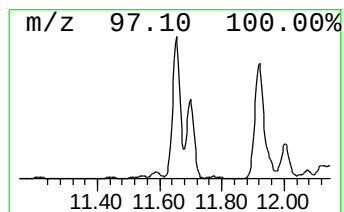
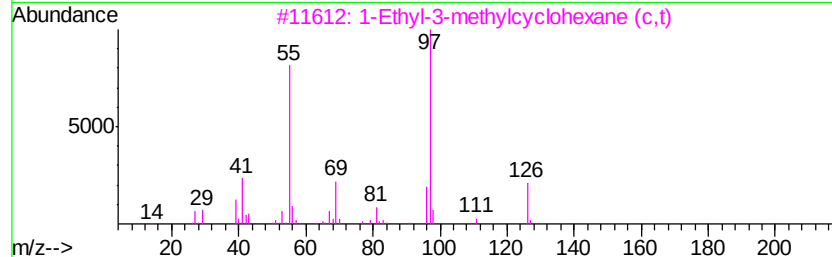
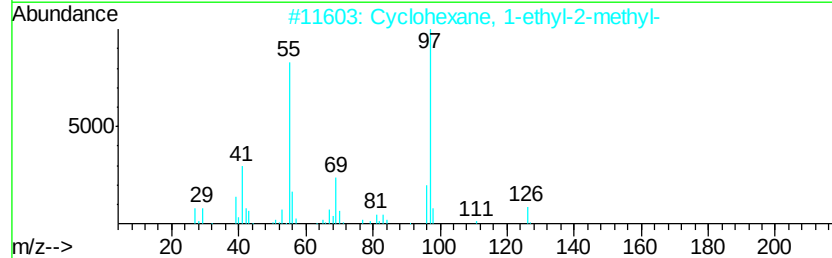
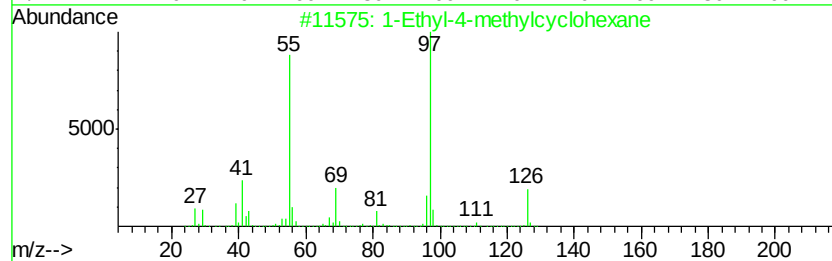
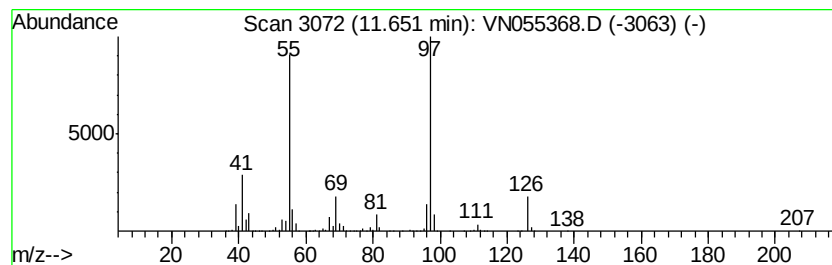
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TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Ethyl-4-methylcyclohexane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.65	143.78 ug/l	6635220	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87



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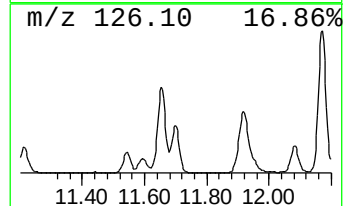
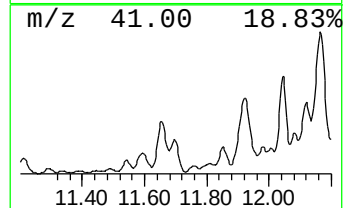
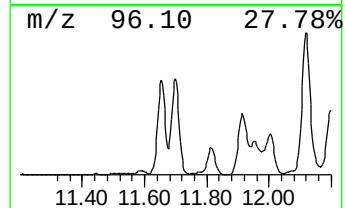
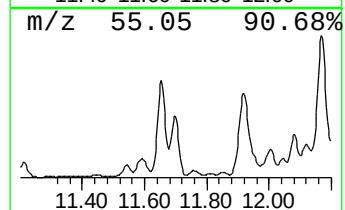
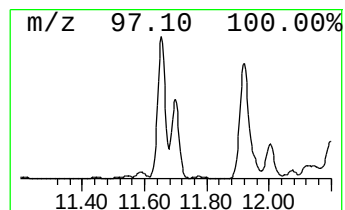
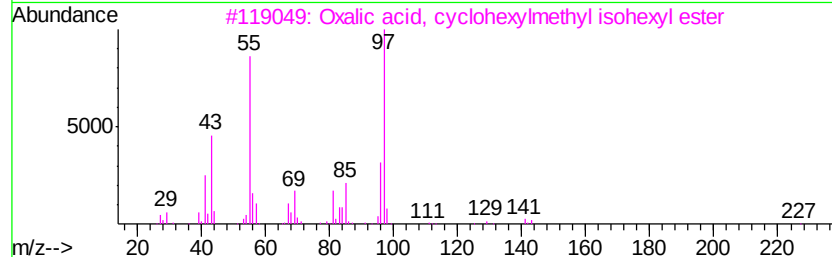
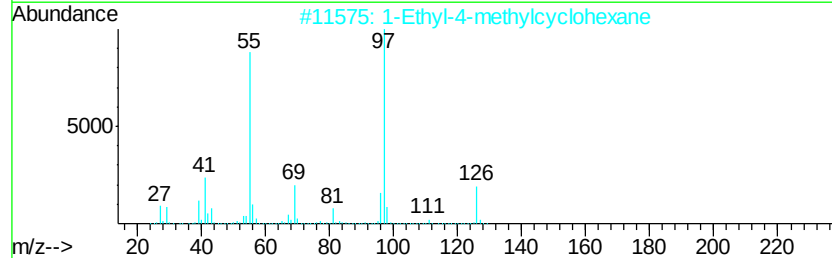
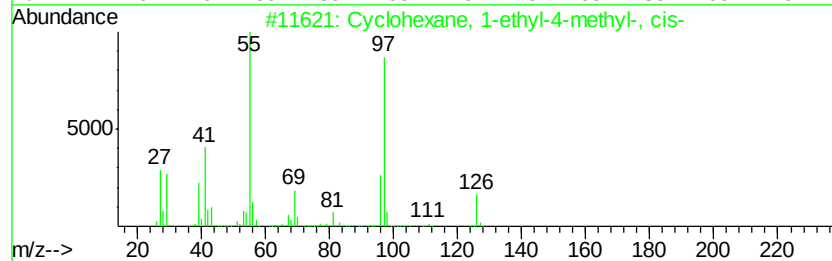
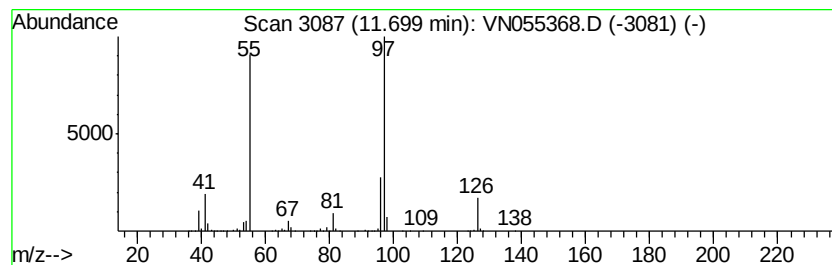
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	87.67 ug/l	4046000	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	86
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
3		Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	78
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72



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Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

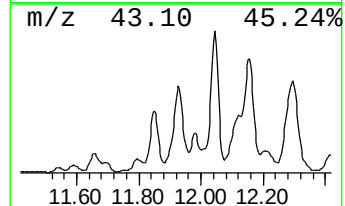
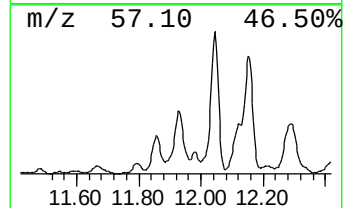
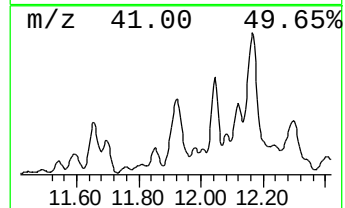
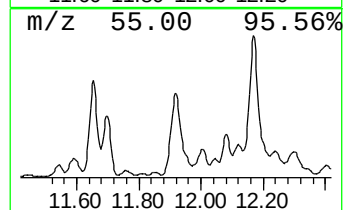
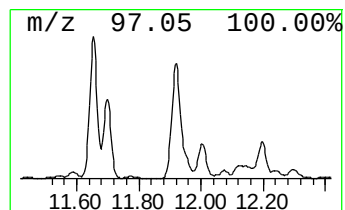
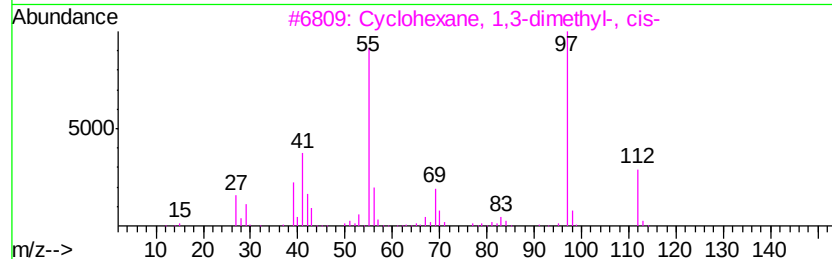
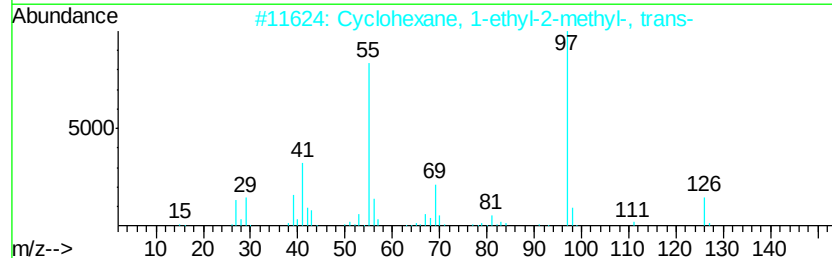
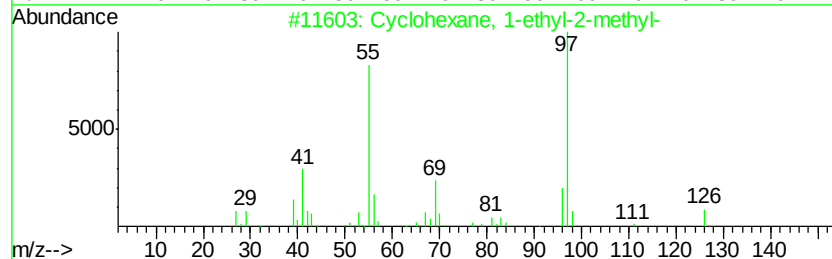
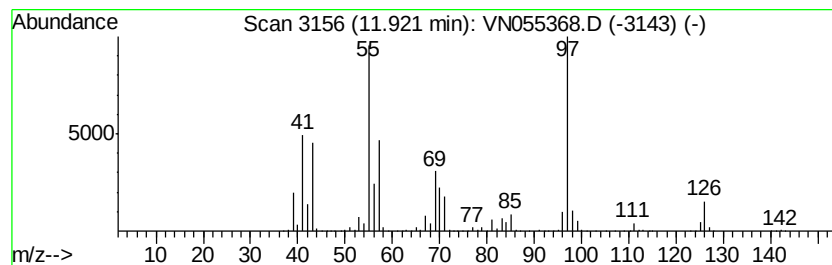
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

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 5 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	256.07 ug/l	11817500	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-ethyl-2-methyl-	126 C9H18	003728-54-9 76
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126 C9H18	004923-78-8 76
3		Cyclohexane, 1,3-dimethyl-, cis-	112 C8H16	000638-04-0 64
4		Cyclohexane, 1,3-dimethyl-	112 C8H16	000591-21-9 64
5		Cyclohexane, 1,4-dimethyl-, cis-	112 C8H16	000624-29-3 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055368.D
Acq On : 2 May 2019 23:52
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

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

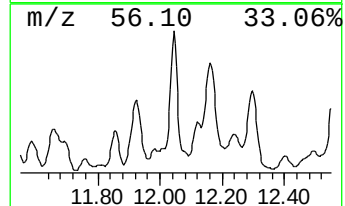
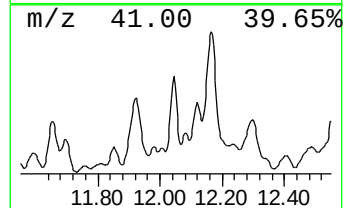
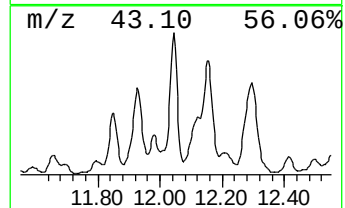
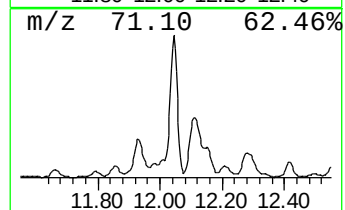
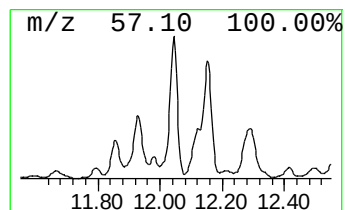
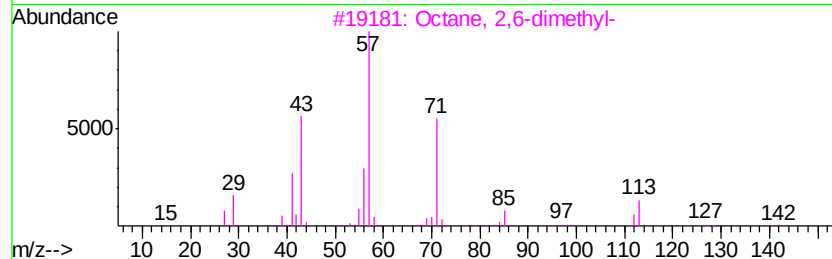
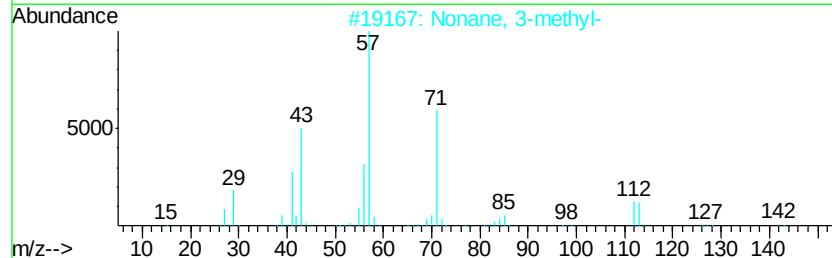
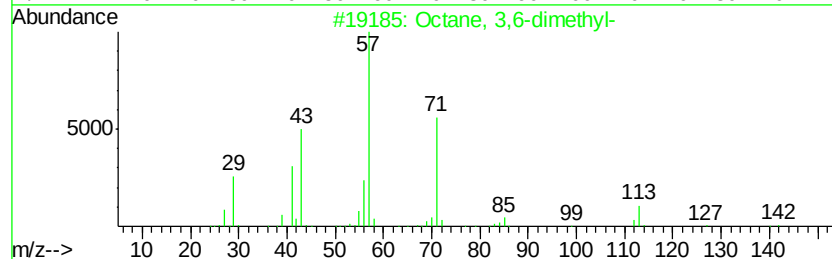
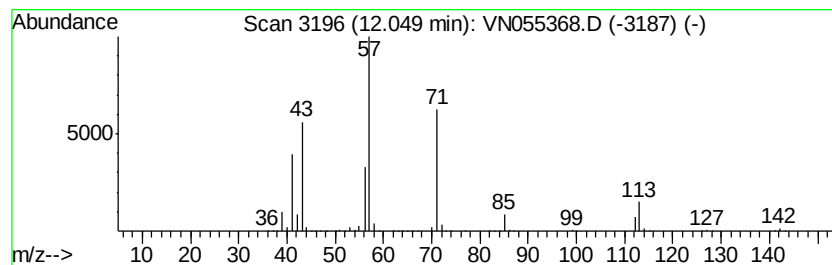
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Quant Title : SW846 8260

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

Peak Number 6 Octane, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	113.41 ug/l	5233780	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	87
4		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050219\
Data File : VN055368.D
Acq On : 2 May 2019 23:52
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

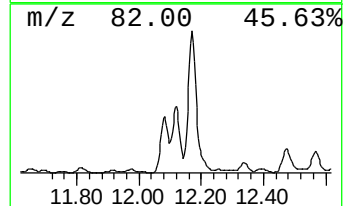
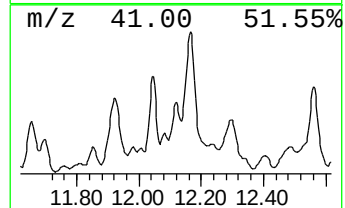
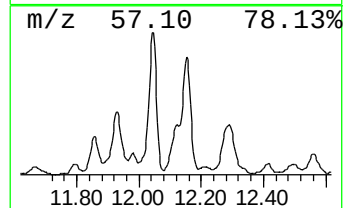
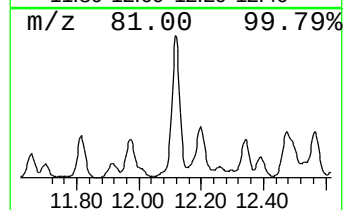
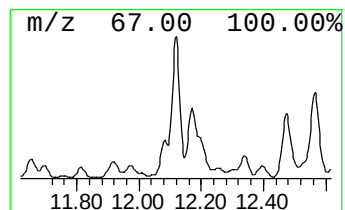
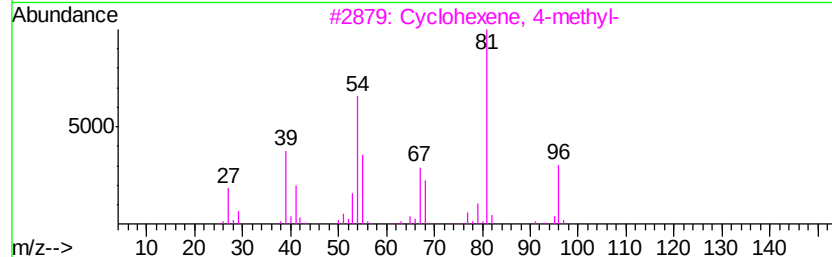
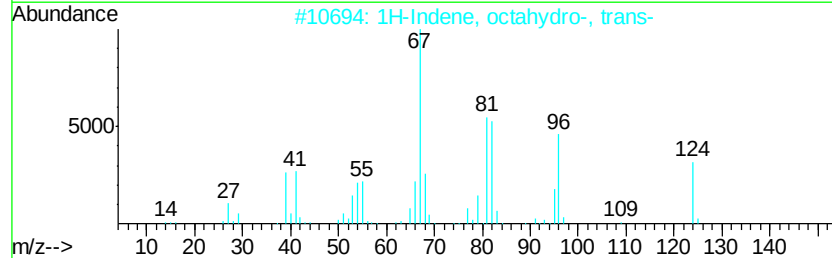
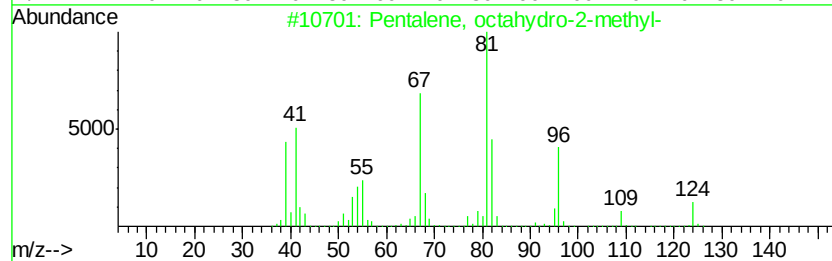
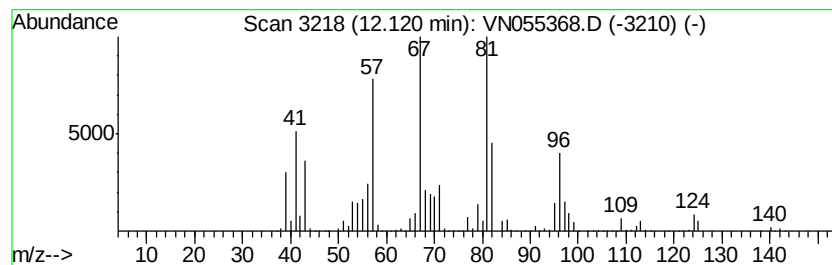
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

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 Pentalene, octahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.12	141.14 ug/l	6513340	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	64
2		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
3		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
4		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
5		Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055368.D
Acq On : 2 May 2019 23:52
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

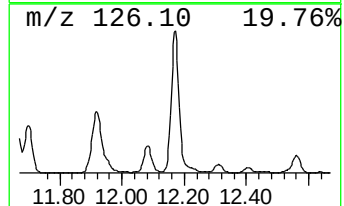
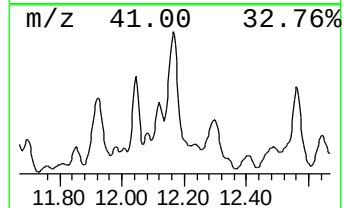
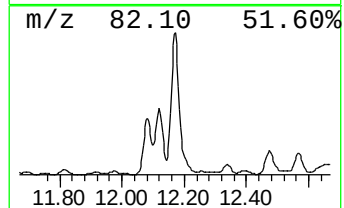
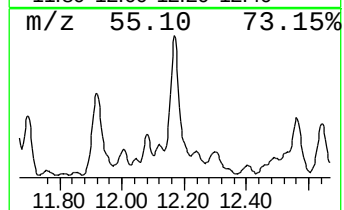
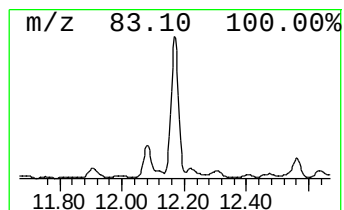
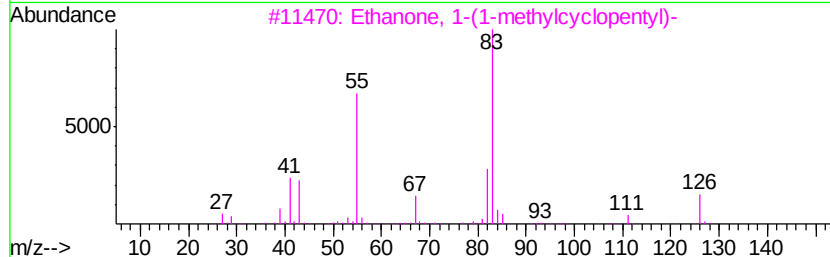
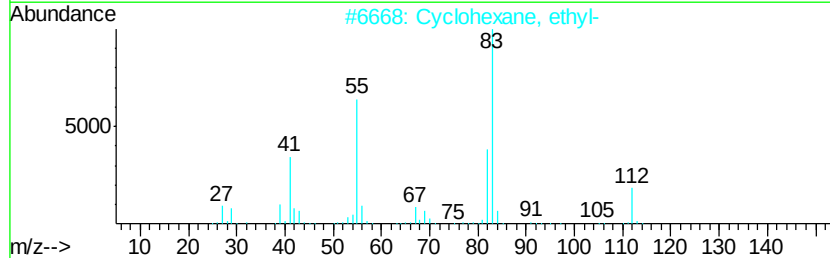
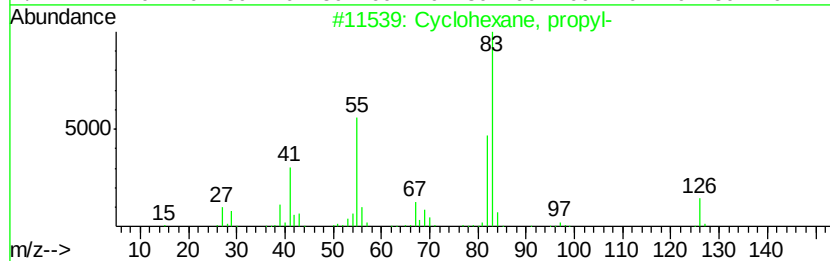
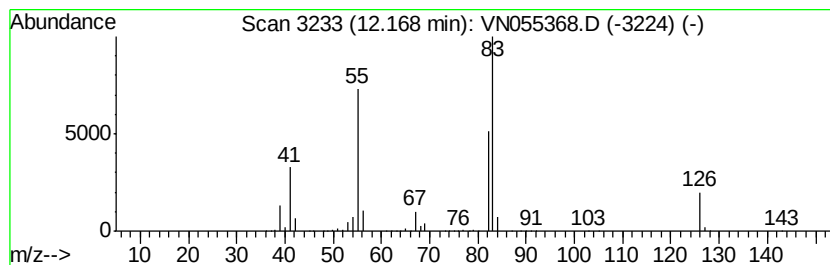
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

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 8 Cyclohexane, propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.17	296.65 ug/l	13690000	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		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, 2-propenyl-	124	C9H16	002114-42-3	59
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055368.D
Acq On : 2 May 2019 23:52
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

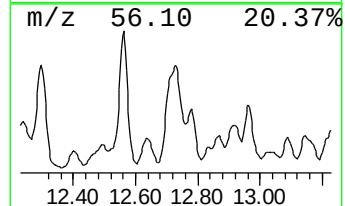
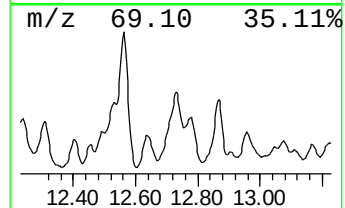
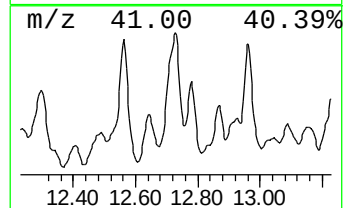
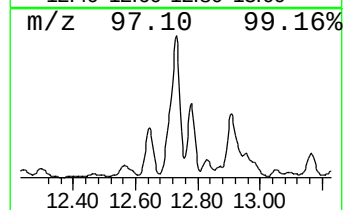
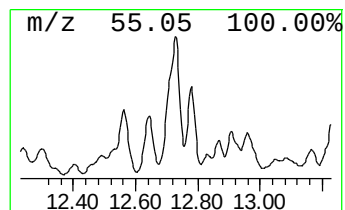
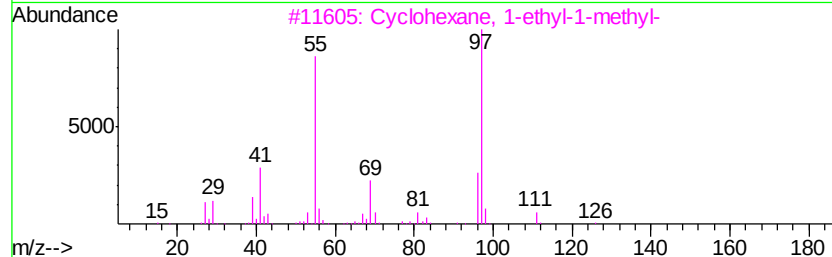
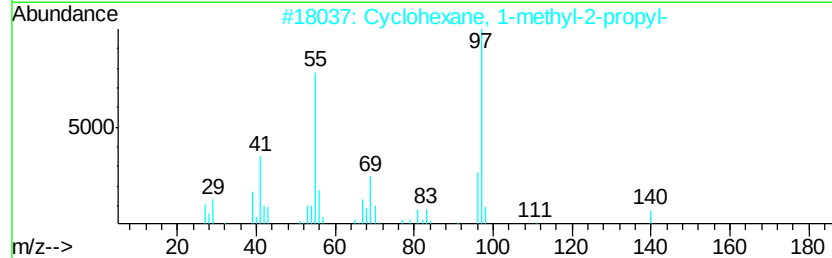
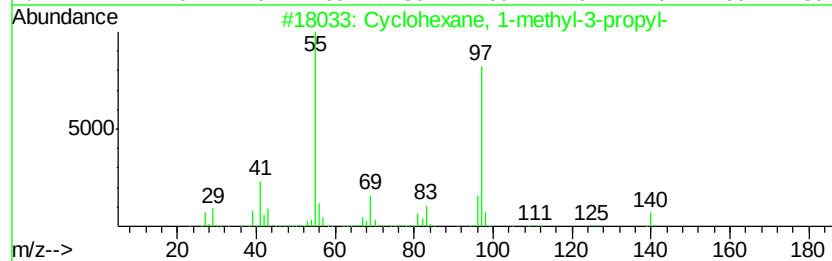
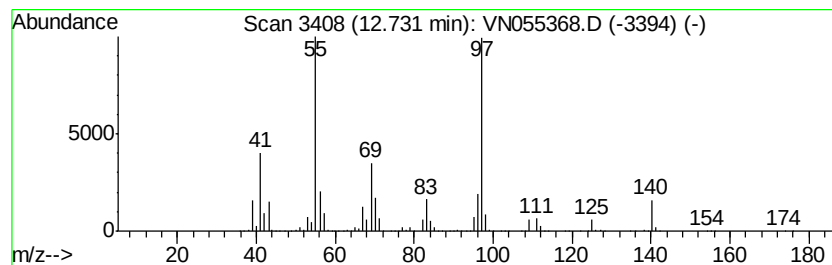
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-E6(17-20)

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 9 Cyclohexane, 1-methyl-3-pro... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	76.37 ug/l	15989300	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-methyl-3-propyl-	140 C10H20	004291-80-9 72
2		Cyclohexane, 1-methyl-2-propyl-	140 C10H20	004291-79-6 64
3		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 64
4		Cyclohexane, 1,4-dimethyl-, cis-	112 C8H16	000624-29-3 59
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	004926-78-7 59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055368.D
Acq On : 2 May 2019 23:52
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 1

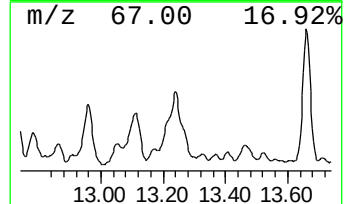
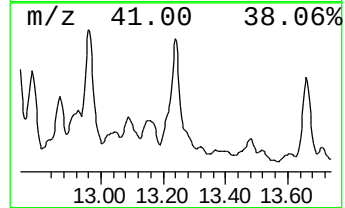
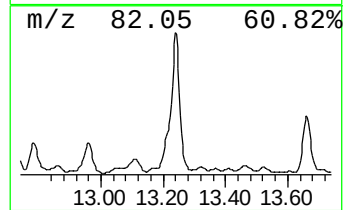
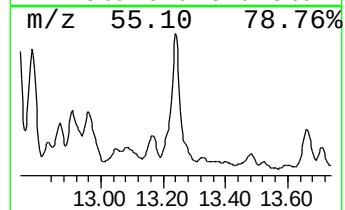
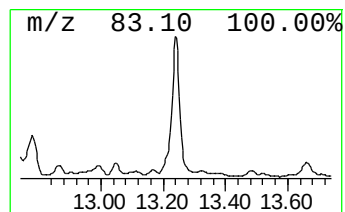
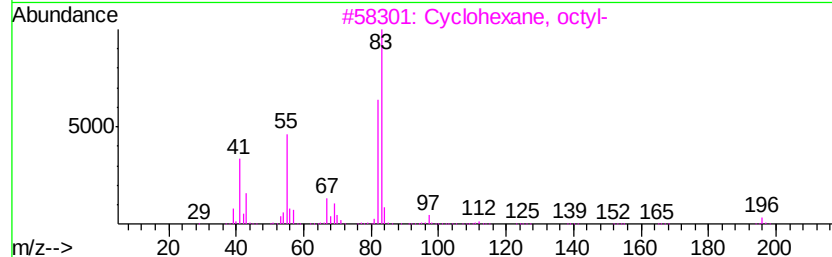
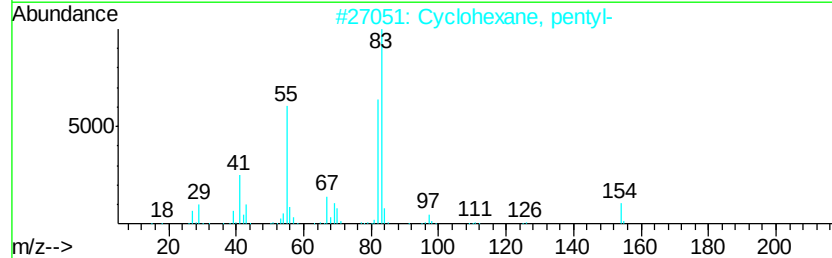
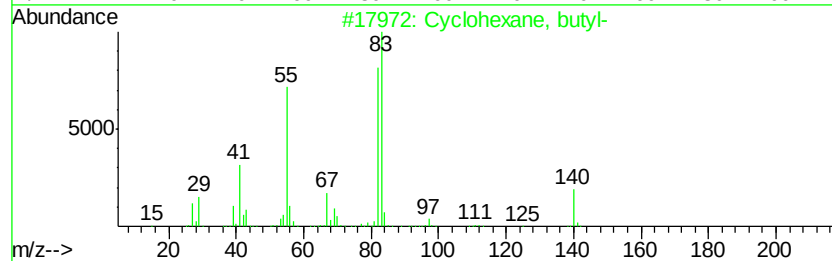
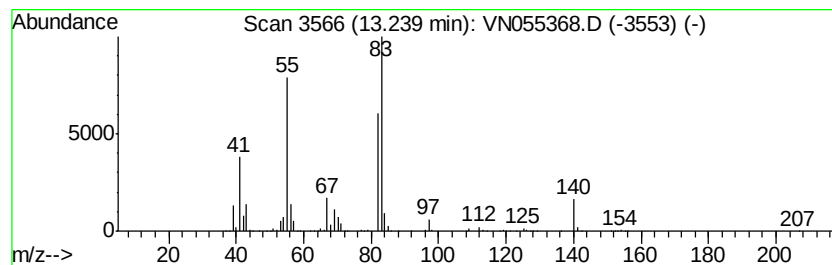
Instrument :
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ClientSampleId :
EP1-SB-E6(17-20)

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 10 Cyclohexane, butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	50.00 ug/l	10468500	1,4-Dichlorobenzene-d4	13.35
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 97
2		Cyclohexane, pentyl-	154 C11H22	004292-92-6 86
3		Cyclohexane, octyl-	196 C14H28	001795-15-9 80
4		Cyclohexane, propyl-	126 C9H18	001678-92-8 78
5		Cyclohexane, ethyl-	112 C8H16	001678-91-7 78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
Data File : VN055368.D
Acq On : 2 May 2019 23:52
Operator : JC/SP
Sample : K2658-04 10X
Misc : 6.25g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclohexane, 1,1,...	11.00	47.6	ug/l	2197770	3	11.41	2307460	50.0
Cyclohexane, 1,3,...	11.21	46.8	ug/l	2158210	3	11.41	2307460	50.0
1-Ethyl-4-methylc...	11.65	143.8	ug/l	6635220	3	11.41	2307460	50.0
Cyclohexane, 1-et...	11.70	87.7	ug/l	4046000	3	11.41	2307460	50.0
Cyclohexane, 1-et...	11.92	256.1	ug/l	11817500	3	11.41	2307460	50.0
Octane, 3,6-dimet...	12.05	113.4	ug/l	5233780	3	11.41	2307460	50.0
Pentalene, octahy...	12.12	141.1	ug/l	6513340	3	11.41	2307460	50.0
Cyclohexane, propyl-	12.17	296.6	ug/l	13690000	3	11.41	2307460	50.0
Cyclohexane, 1-me...	12.73	76.4	ug/l	15989300	4	13.35	10468500	50.0
Cyclohexane, butyl-	13.24	50.0	ug/l	10468500	4	13.35	10468500	50.0