

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010657.D
 Acq On : 03 Jun 2019 14:10
 Operator : SY/VA
 Sample : K2641-21
 Misc : 6.93G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-02-053119-E

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_W\METHOD\82W052019S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.959	4	9	17	rVB	14044	22454	2.01%	0.312%
2	2.349	64	73	79	rBV	30983	52020	4.65%	0.723%
3	2.672	118	126	138	rVB5	7582	25116	2.24%	0.349%
4	2.812	143	149	158	rVB	13864	28227	2.52%	0.392%
5	3.026	174	184	188	rBV2	9350	21364	1.91%	0.297%
6	4.135	353	366	376	rBV	5674	18501	1.65%	0.257%
7	4.922	478	495	513	rBV7	8713	46045	4.11%	0.640%
8	5.440	564	580	593	rVB3	10807	36445	3.26%	0.506%
9	5.946	650	663	676	rBV2	7563	24138	2.16%	0.335%
10	6.976	823	832	842	rBV2	8354	24070	2.15%	0.334%
11	7.147	850	860	871	rBV4	3975	15146	1.35%	0.210%
12	7.884	969	981	986	rBV2	126835	311272	27.80%	4.325%
13	7.945	986	991	1001	rVV	249992	566487	50.60%	7.872%
14	8.031	1001	1005	1013	rVB5	6698	14044	1.25%	0.195%
15	8.153	1017	1025	1031	rBV2	11033	26263	2.35%	0.365%
16	8.305	1042	1050	1062	rBV2	113245	268030	23.94%	3.724%
17	8.433	1066	1071	1077	rVV6	5803	12682	1.13%	0.176%
18	8.573	1089	1094	1101	rVB3	8602	19255	1.72%	0.268%
19	8.695	1109	1114	1120	rVB5	8340	15487	1.38%	0.215%
20	8.842	1130	1138	1147	rBV	327579	659963	58.95%	9.171%
21	9.335	1209	1219	1225	rBV	86256	184586	16.49%	2.565%
22	9.750	1282	1287	1294	rBV4	11413	24469	2.19%	0.340%
23	9.896	1306	1311	1315	rBV5	8222	18527	1.65%	0.257%
24	9.957	1315	1321	1325	rBV	19581	39895	3.56%	0.554%
25	10.091	1337	1343	1354	rBV4	25017	74463	6.65%	1.035%
26	10.323	1374	1381	1389	rBV	584983	1119608	100.00%	15.558%
27	10.494	1404	1409	1418	rVB3	40182	97762	8.73%	1.358%
28	10.664	1432	1437	1444	rVB	77749	126742	11.32%	1.761%
29	10.762	1448	1453	1457	rBV	36837	68836	6.15%	0.957%
30	10.933	1478	1481	1489	rVB	25398	46406	4.14%	0.645%
31	11.036	1494	1498	1506	rVV2	20794	49011	4.38%	0.681%
32	11.177	1518	1521	1525	rVB	48428	65424	5.84%	0.909%
33	11.231	1525	1530	1535	rVB	121229	195749	17.48%	2.720%
34	11.286	1536	1539	1542	rVB2	16533	20862	1.86%	0.290%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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35	11.335	1544	1547	1552	rVB2	27147	40818	3.65%	0.567%
36	11.512	1572	1576	1581	rBV2	27441	47701	4.26%	0.663%
37	11.634	1590	1596	1604	rVB	414292	721807	64.47%	10.030%
38	12.134	1674	1678	1687	rBV4	39276	108990	9.73%	1.514%
39	12.621	1752	1758	1766	rBV	354767	624326	55.76%	8.675%
40	12.780	1780	1784	1792	rVB3	51255	89785	8.02%	1.248%
41	12.938	1806	1810	1815	rBV6	35438	79926	7.14%	1.111%
42	13.560	1907	1912	1923	rVB	392790	654719	58.48%	9.098%
43	13.877	1960	1964	1970	rBV2	91723	156542	13.98%	2.175%
44	15.334	2199	2203	2207	rBV	45773	81825	7.31%	1.137%
45	16.298	2357	2361	2369	rVB3	27493	54277	4.85%	0.754%
46	16.651	2413	2419	2432	rVB	70234	196422	17.54%	2.729%

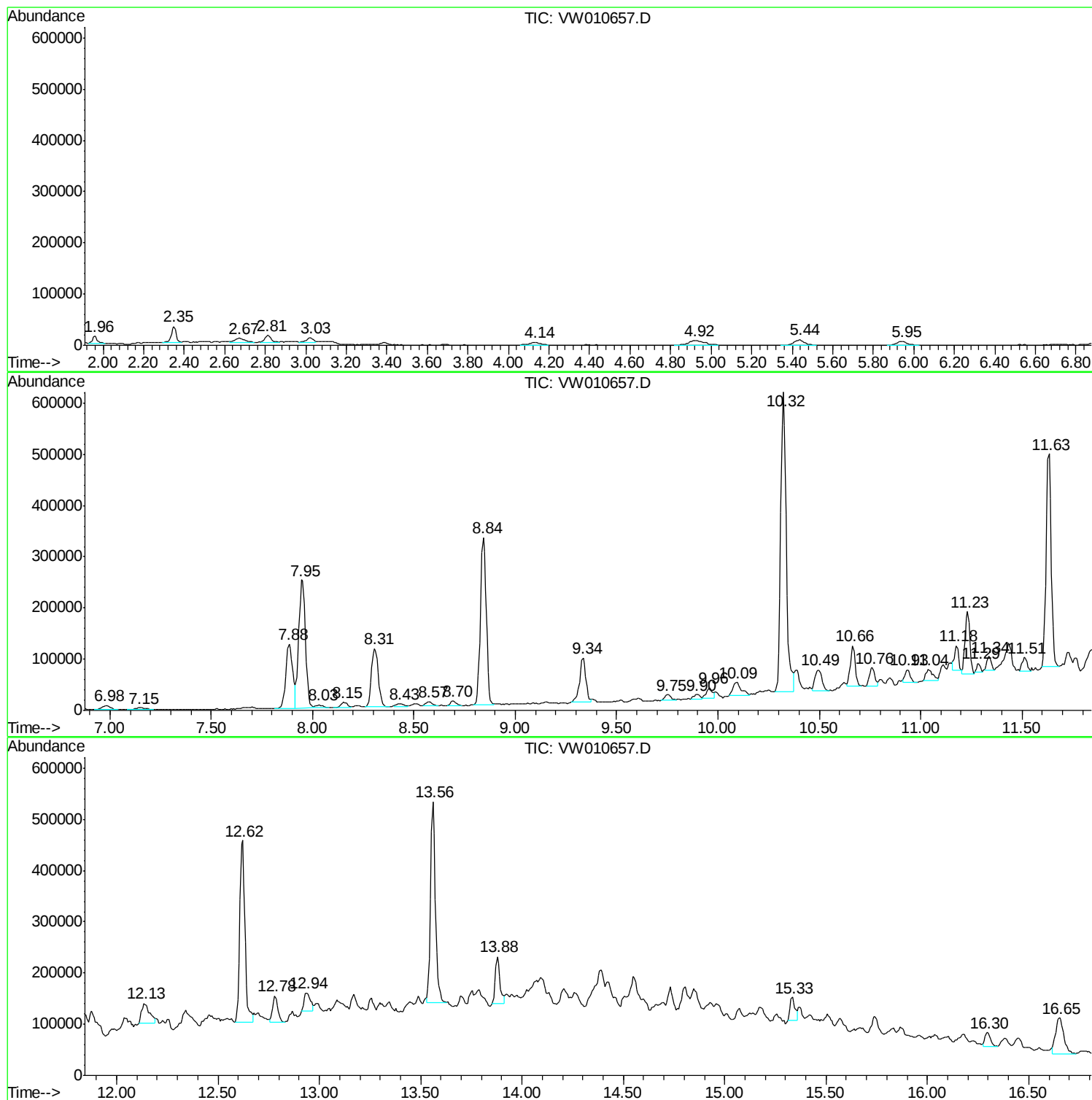
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



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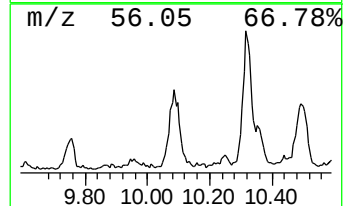
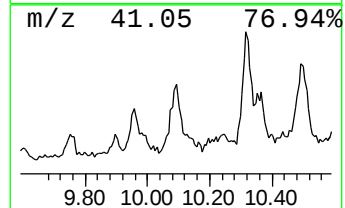
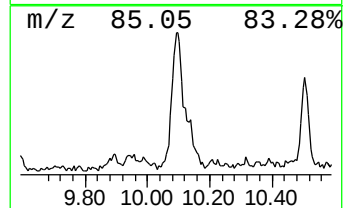
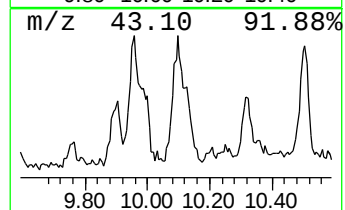
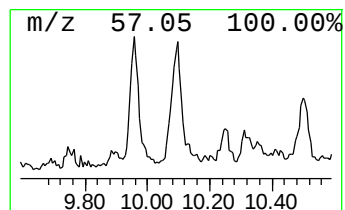
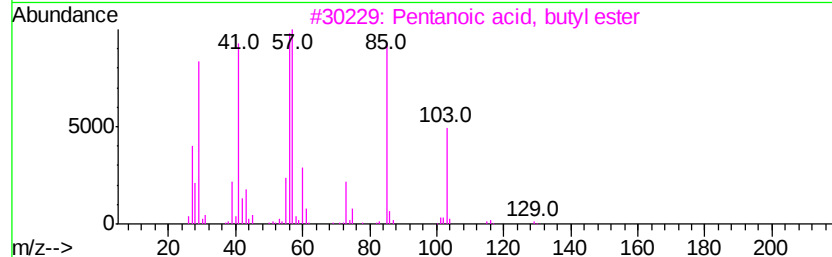
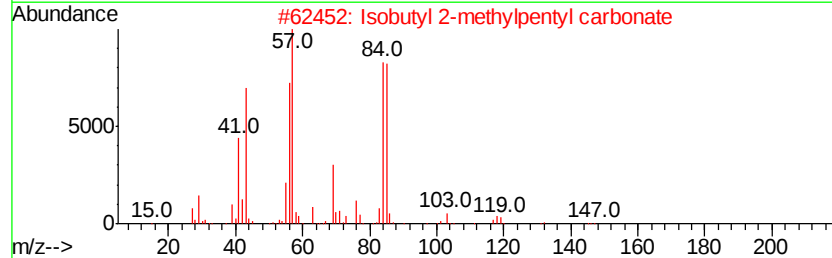
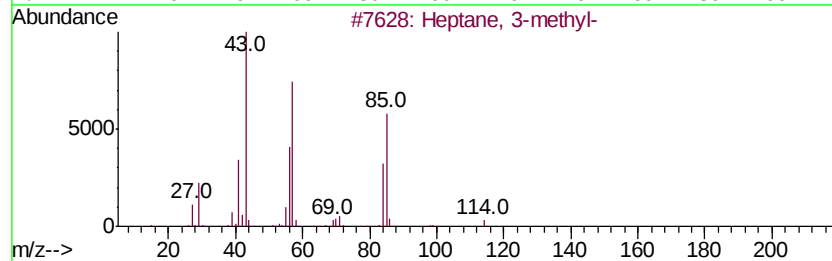
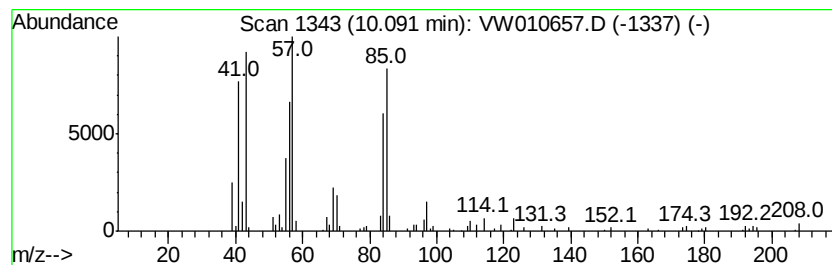
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 1 Heptane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	5.64 ug/l	74463	1,4-Difluorobenzene	8.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptane, 3-methyl-	114 C8H18	000589-81-1	80
2	Isobutyl 2-methylpentyl carbonate	202 C11H22O3	1000372-75-2	72
3	Pentanoic acid, butyl ester	158 C9H18O2	000591-68-4	50
4	Hexane, 2,3,5-trimethyl-	128 C9H20	001069-53-0	50
5	Hexane, 2,4-dimethyl-	114 C8H18	000589-43-5	47



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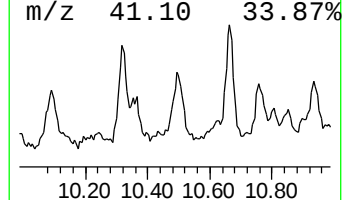
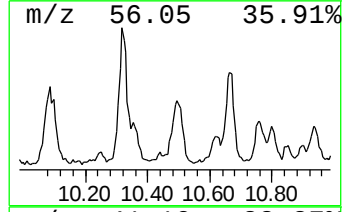
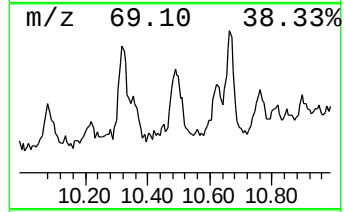
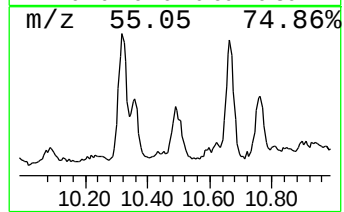
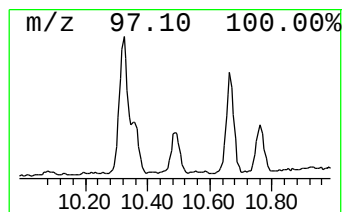
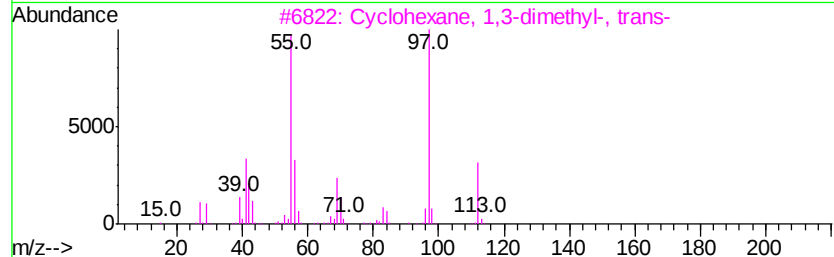
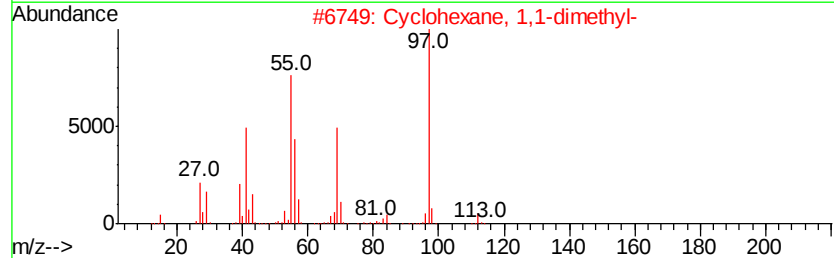
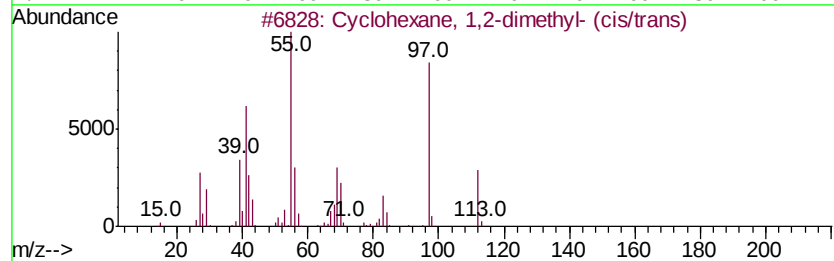
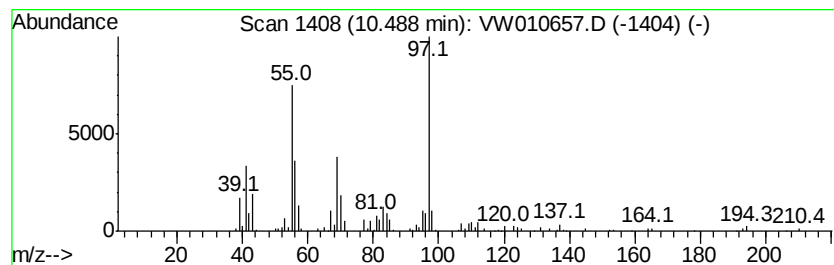
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	6.77 ug/l	97762	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	72
2		Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
4		Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	43
5		Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	40



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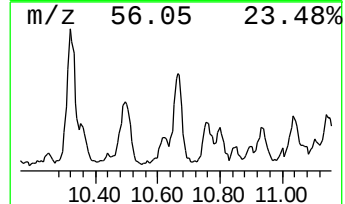
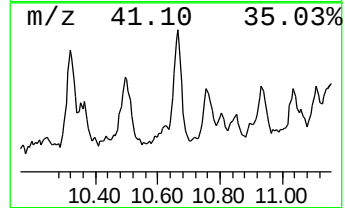
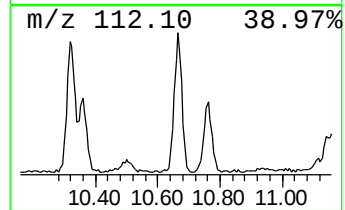
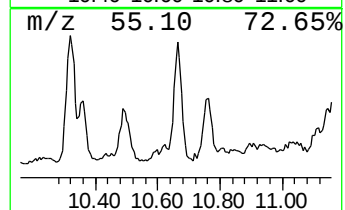
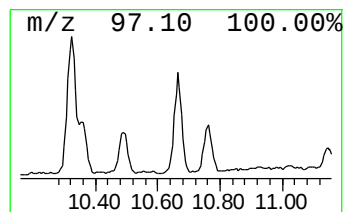
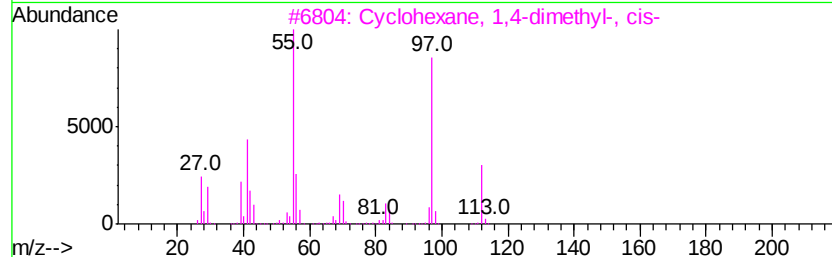
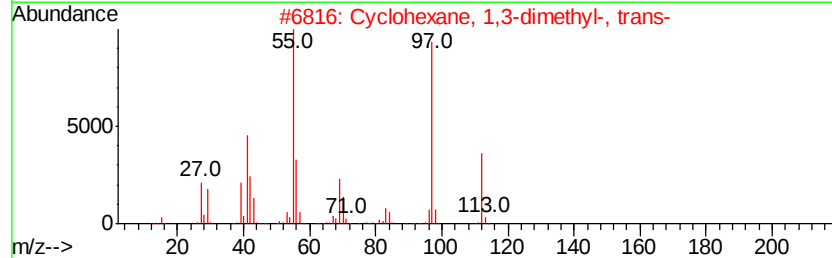
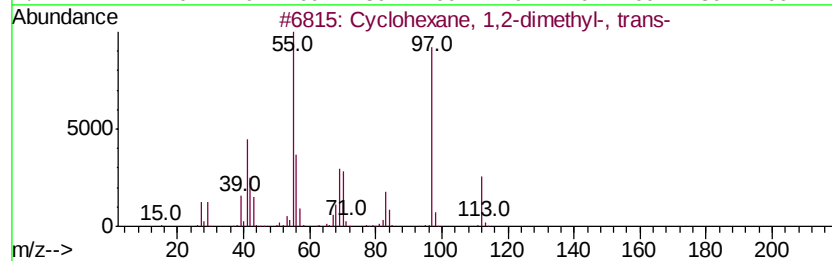
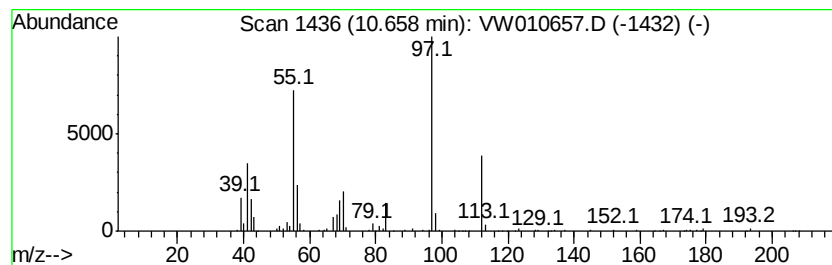
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	8.78 ug/l	126742	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	86
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	72



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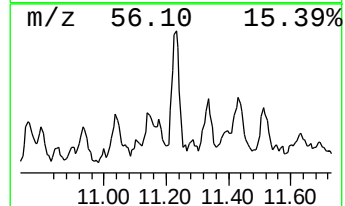
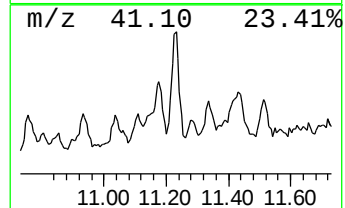
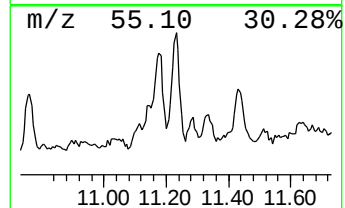
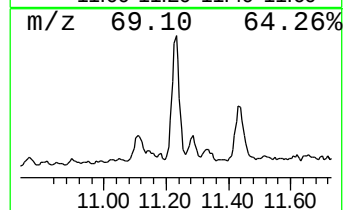
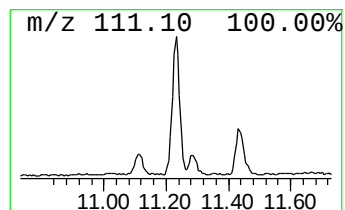
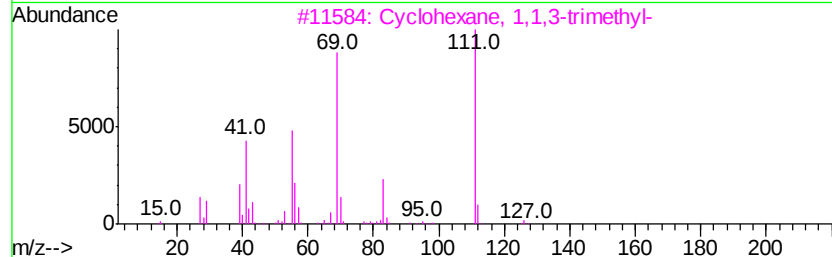
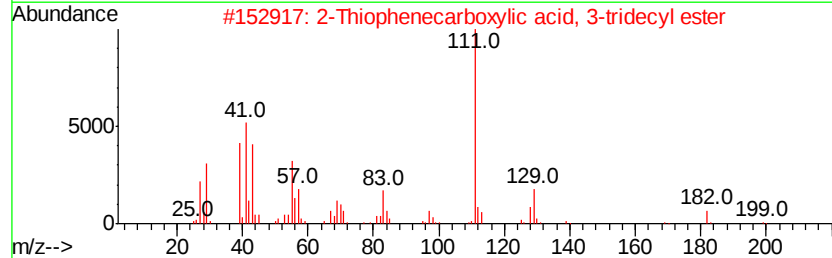
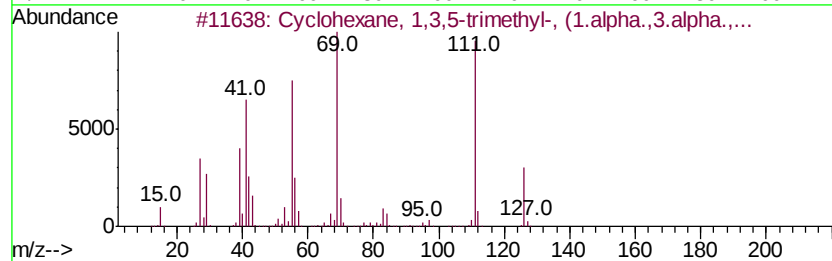
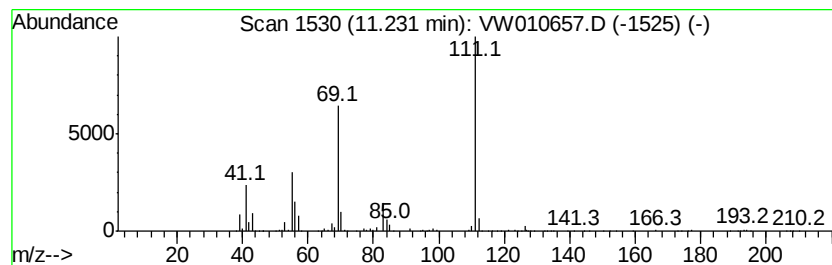
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexane, 1,3,5-trimethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	13.56 ug/l	195749	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	78
2		2-Thiophenecarboxylic acid, 3-tr...	310	C18H30O2S	1000280-66-0	64
3		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	60
4		1,1,4-Trimethylcvclohexane	126	C9H18	007094-27-1	59
5		4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59



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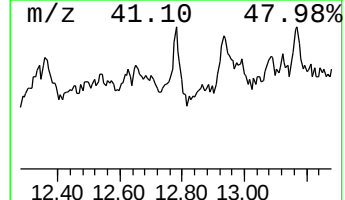
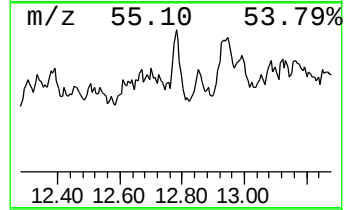
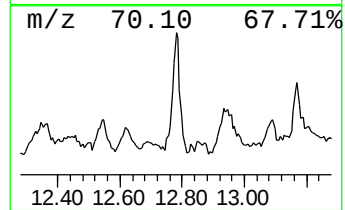
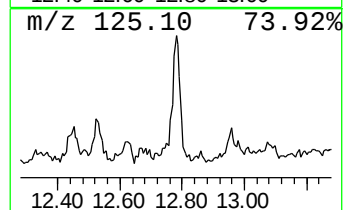
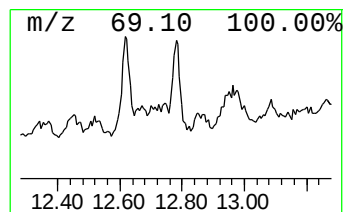
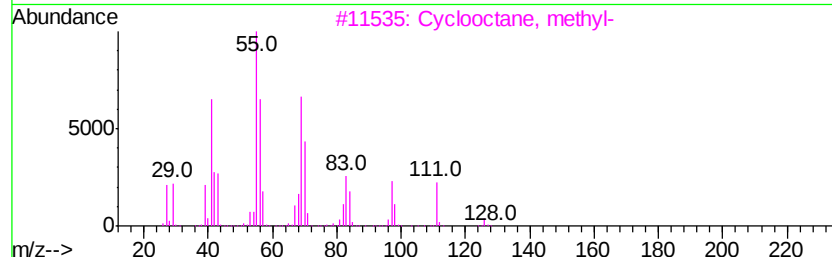
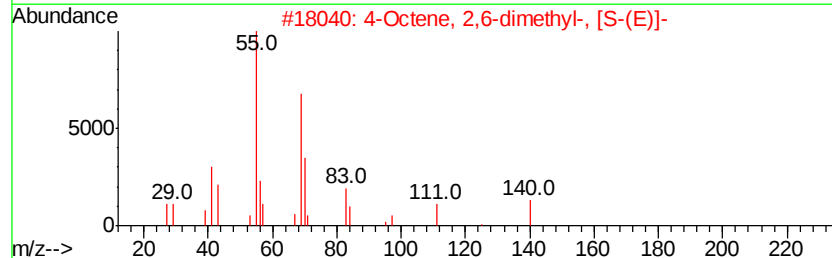
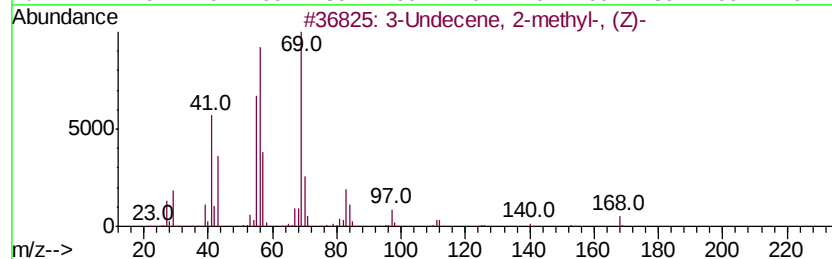
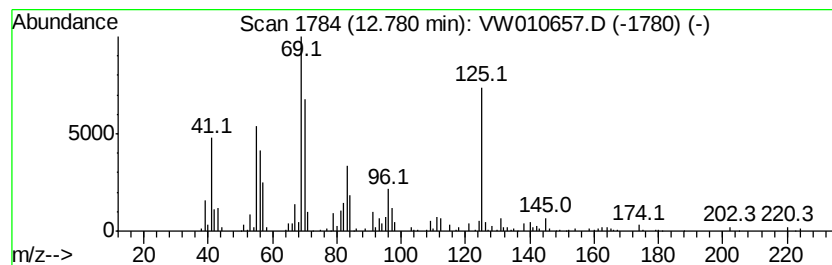
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.78 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	6.86 ug/l	89785	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3	Undecene, 2-methyl-, (Z)-	168	C12H24		074630-48-1	47
2	4	Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20		062960-76-3	46
3		Cyclooctane, methyl-	126	C9H18		001502-38-1	43
4		1-Hexene, 3,3-dimethyl-	112	C8H16		003404-77-1	35
5		Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20		029053-04-1	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
Data File : VW010657.D
Acq On : 03 Jun 2019 14:10
Operator : SY/VA
Sample : K2641-21
Misc : 6.93G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

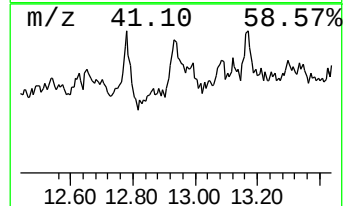
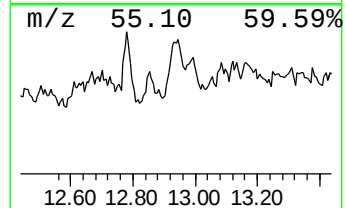
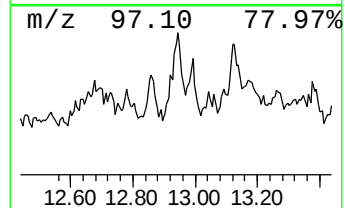
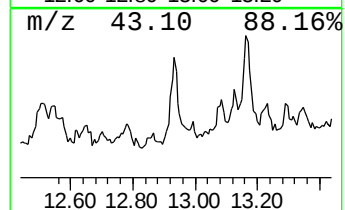
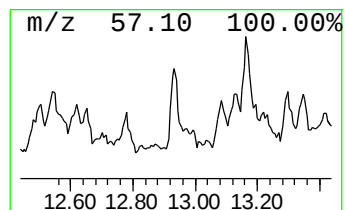
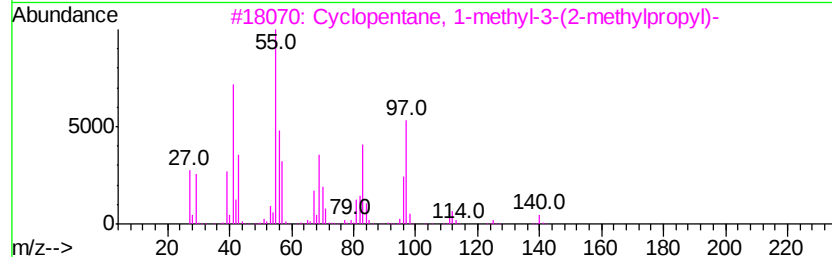
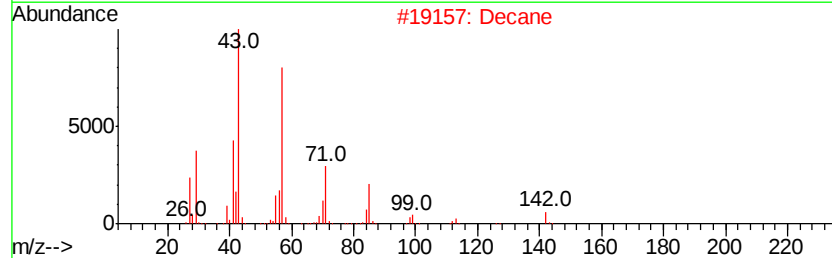
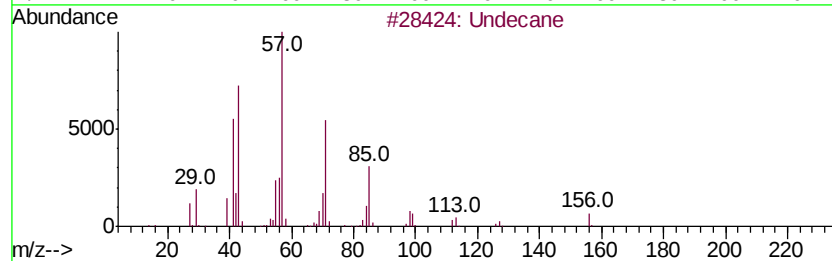
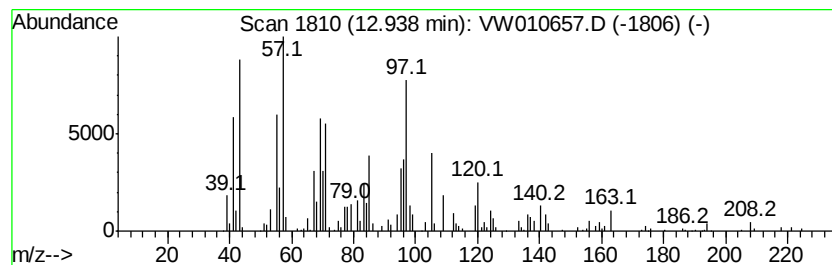
Instrument :
MSVOA_W
ClientSampled :
CL-02-053119-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 6 unknown12.94 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	6.10 ug/l	79926	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	38
2	Decane	142 C10H22	000124-18-5	35
3	Cyclopentane, 1-methyl-3-(2-meth...	140 C10H20	029053-04-1	30
4	10-Methylnonadecane	282 C20H42	056862-62-5	22
5	Tridecane	184 C13H28	000629-50-5	18



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
Data File : VW010657.D
Acq On : 03 Jun 2019 14:10
Operator : SY/VA
Sample : K2641-21
Misc : 6.93G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-053119-E

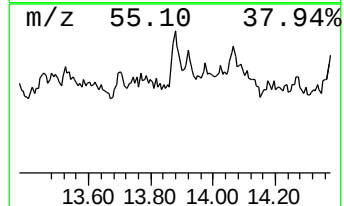
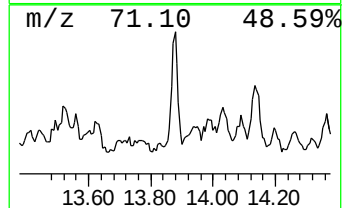
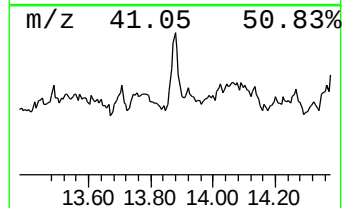
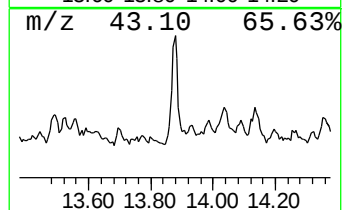
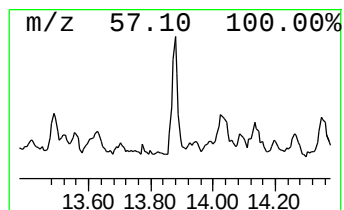
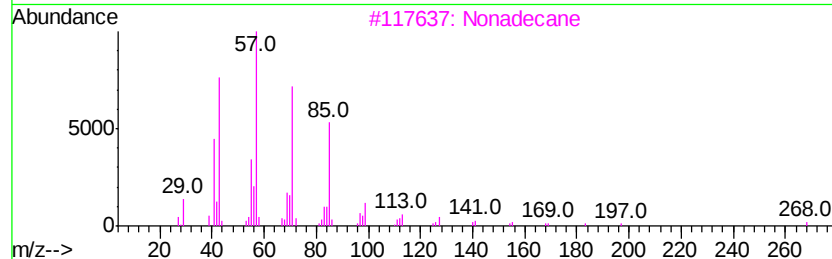
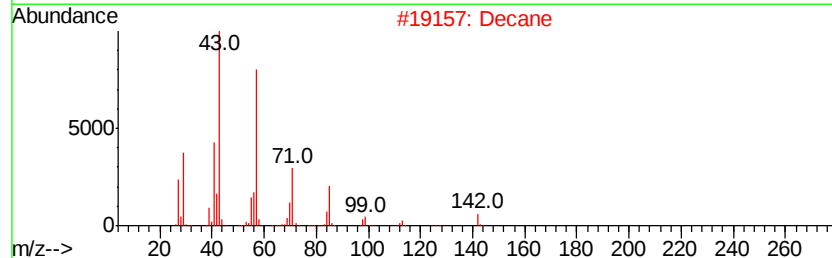
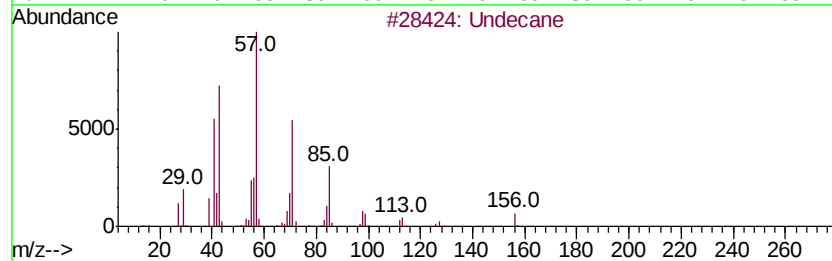
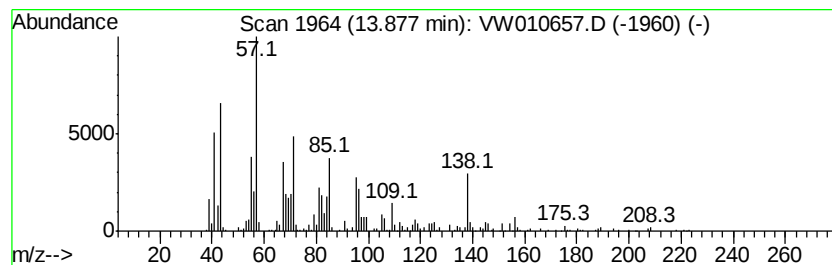
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Quant Title : SW846 8260

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

Peak Number 7 unknown13.88 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	11.95 ug/l	156542	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	45
2		Decane	142	C10H22	000124-18-5	35
3		Nonadecane	268	C19H40	000629-92-5	30
4		Dodecane, 5-methyl-	184	C13H28	017453-93-9	27
5		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
Data File : VW010657.D
Acq On : 03 Jun 2019 14:10
Operator : SY/VA
Sample : K2641-21
Misc : 6.93G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

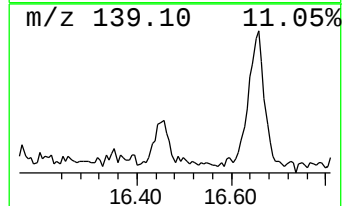
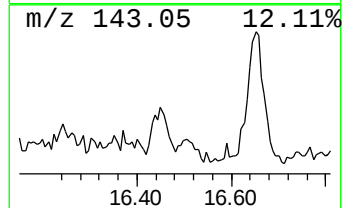
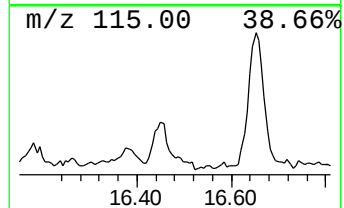
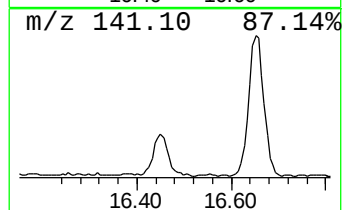
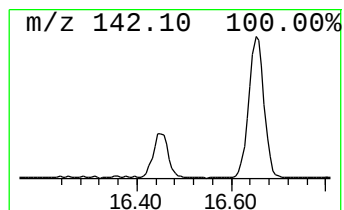
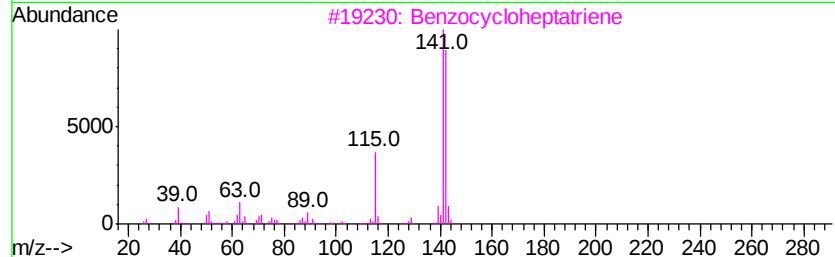
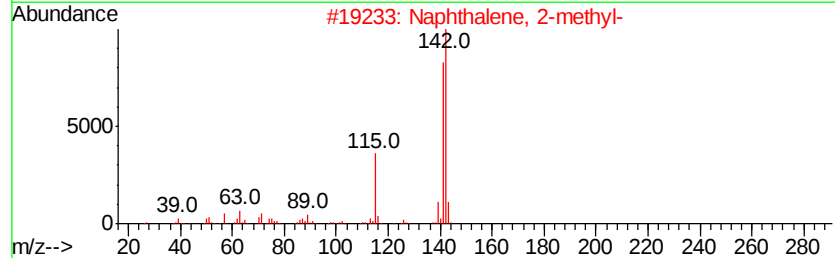
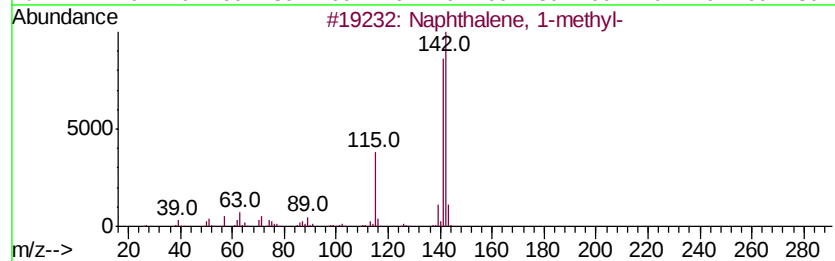
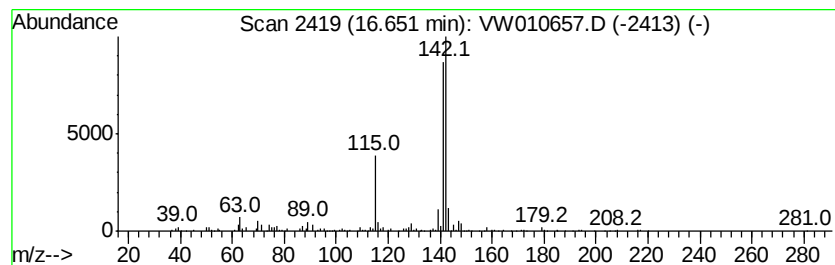
Instrument :
MSVOA_W
ClientSampleId :
CL-02-053119-E

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	15.00 ug/l	196422	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
2		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
3		Benzocycloheptatriene	142 C11H10	000264-09-5 91
4		1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1 90
5		1H-Indene, 1-ethylidene-	142 C11H10	002471-83-2 59



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW060319\
Data File : VW010657.D
Acq On : 03 Jun 2019 14:10
Operator : SY/VA
Sample : K2641-21
Misc : 6.93G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CL-02-053119-E

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.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
Heptane, 3-methyl-	10.09	5.6	ug/l	74463	2	8.84	659963	50.0
Cyclohexane, 1,2-...	10.49	6.8	ug/l	97762	3	11.63	721807	50.0
Cyclohexane, 1,2-...	10.66	8.8	ug/l	126742	3	11.63	721807	50.0
Cyclohexane, 1,3,...	11.23	13.6	ug/l	195749	3	11.63	721807	50.0
unknown12.78	12.78	6.9	ug/l	89785	4	13.56	654719	50.0
unknown12.94	12.94	6.1	ug/l	79926	4	13.56	654719	50.0
unknown13.88	13.88	11.9	ug/l	156542	4	13.56	654719	50.0
Naphthalene, 1-me...	16.65	15.0	ug/l	196422	4	13.56	654719	50.0