

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
 Data File : VN053034.D
 Acq On : 20 Dec 2018 2:23
 Operator : MD\SY
 Sample : J6411-10 10X
 Misc : 5.85g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SBR-3B(17-18FT)1218

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\82N121818W.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	7.590	1786	1809	1820	rBV	676820	1704008	1.51%	0.184%
2	7.667	1820	1833	1853	rVB	1543075	3662619	3.25%	0.395%
3	8.027	1928	1945	1970	rBV	761542	1792841	1.59%	0.193%
4	8.586	2102	2119	2152	rVB	2186437	4535632	4.02%	0.489%
5	10.088	2572	2586	2612	rVB2	4293232	8539092	7.57%	0.920%
6	10.432	2685	2693	2709	rVB	719669	1335899	1.18%	0.144%
7	10.718	2771	2782	2793	rVB	1635842	2753156	2.44%	0.297%
8	10.821	2794	2814	2826	rBV	1072643	2372361	2.10%	0.256%
9	10.885	2826	2834	2842	rBV4	664302	1153362	1.02%	0.124%
10	10.950	2846	2854	2862	rVV	2493294	4168775	3.69%	0.449%
11	11.004	2862	2871	2882	rVV2	4081938	7227122	6.41%	0.779%
12	11.123	2896	2908	2916	rBV5	2687799	4863848	4.31%	0.524%
13	11.197	2916	2931	2951	rVB3	4184764	13152603	11.66%	1.417%
14	11.300	2951	2963	2984	rBV	7139319	12843593	11.38%	1.384%
15	11.406	2985	2996	3005	rBV	3111840	5677298	5.03%	0.612%
16	11.496	3015	3024	3030	rBV4	609067	1135612	1.01%	0.122%
17	11.545	3030	3039	3045	rVV	2373993	3673812	3.26%	0.396%
18	11.622	3045	3063	3067	rVV6	7178117	20202701	17.91%	2.177%
19	11.654	3068	3073	3081	rVV2	11083231	19503372	17.29%	2.102%
20	11.699	3082	3087	3097	rVB2	7386497	11415948	10.12%	1.230%
21	11.760	3097	3106	3112	rBV3	1779659	3192221	2.83%	0.344%
22	11.853	3128	3135	3143	rVB3	3090596	4610937	4.09%	0.497%
23	11.924	3143	3157	3169	rBV6	13982198	34558370	30.63%	3.724%
24	12.046	3188	3195	3202	rBV	14475480	19158454	16.98%	2.064%
25	12.120	3210	3218	3224	rBV2	11736339	19254668	17.06%	2.075%
26	12.165	3224	3232	3249	rVB4	23368644	45301078	40.15%	4.881%
27	12.297	3266	3273	3280	rBV6	6288791	11143662	9.88%	1.201%
28	12.339	3281	3286	3296	rVB2	16404064	24068829	21.33%	2.594%
29	12.406	3296	3307	3316	rBV9	5820313	11589631	10.27%	1.249%
30	12.490	3317	3333	3340	rBV8	4948904	15002290	13.30%	1.617%
31	12.564	3348	3356	3372	rVB3	19271560	45941989	40.72%	4.951%
32	12.651	3372	3383	3388	rBV6	8959359	17595785	15.59%	1.896%
33	12.734	3389	3409	3418	rVV5	41020384	112832010	100.00%	12.158%
34	12.782	3418	3424	3434	rVB3	11248371	17943337	15.90%	1.933%

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35	12.869	3444	3451	3458	rVB4	5552071	7690849	6.82%	0.829%
36	12.911	3459	3464	3467	rBV2	2484091	3062121	2.71%	0.330%
37	12.963	3473	3480	3494	rVB3	15571144	27966712	24.79%	3.014%
38	13.043	3494	3505	3515	rBV3	58024066	97872844	86.74%	10.546%
39	13.168	3534	3544	3552	rVB5	7382875	14033089	12.44%	1.512%
40	13.239	3553	3566	3574	rVV5	20661594	39746739	35.23%	4.283%
41	13.287	3576	3581	3589	rVB2	7297418	10429658	9.24%	1.124%
42	13.377	3601	3609	3624	rVB	19097379	31405819	27.83%	3.384%
43	13.516	3647	3652	3653	rBV2	2883690	2634911	2.34%	0.284%
44	13.541	3655	3660	3667	rVV	10540290	14648663	12.98%	1.578%
45	13.586	3667	3674	3689	rVB4	16377631	32915021	29.17%	3.547%
46	13.663	3690	3698	3708	rVB4	12569055	21278627	18.86%	2.293%
47	13.802	3734	3741	3746	rBV	6287942	9739543	8.63%	1.049%
48	13.834	3746	3751	3760	rVV	8830497	13111604	11.62%	1.413%
49	13.889	3761	3768	3778	rVB	11232800	17503891	15.51%	1.886%
50	13.995	3791	3801	3811	rVB3	10763321	17823207	15.80%	1.921%
51	14.049	3811	3818	3822	rBV2	1922403	3022166	2.68%	0.326%
52	14.130	3834	3843	3849	rBV2	3378520	5193639	4.60%	0.560%
53	14.178	3850	3858	3863	rBV4	2911355	5215327	4.62%	0.562%
54	14.249	3874	3880	3888	rVB	6018597	8594188	7.62%	0.926%
55	14.297	3888	3895	3900	rBV3	2632975	3499533	3.10%	0.377%
56	14.335	3901	3907	3914	rVB2	2781848	3653478	3.24%	0.394%
57	14.432	3932	3937	3945	rVB2	1851383	2646682	2.35%	0.285%
58	14.477	3945	3951	3960	rVV4	1108215	2231263	1.98%	0.240%
59	14.525	3961	3966	3974	rVB2	1681099	2331577	2.07%	0.251%
60	14.583	3974	3984	3997	rBV2	6622086	12470014	11.05%	1.344%
61	14.651	3997	4005	4014	rBV	928592	1452501	1.29%	0.157%
62	14.956	4092	4100	4118	rVB4	893813	1945987	1.72%	0.210%

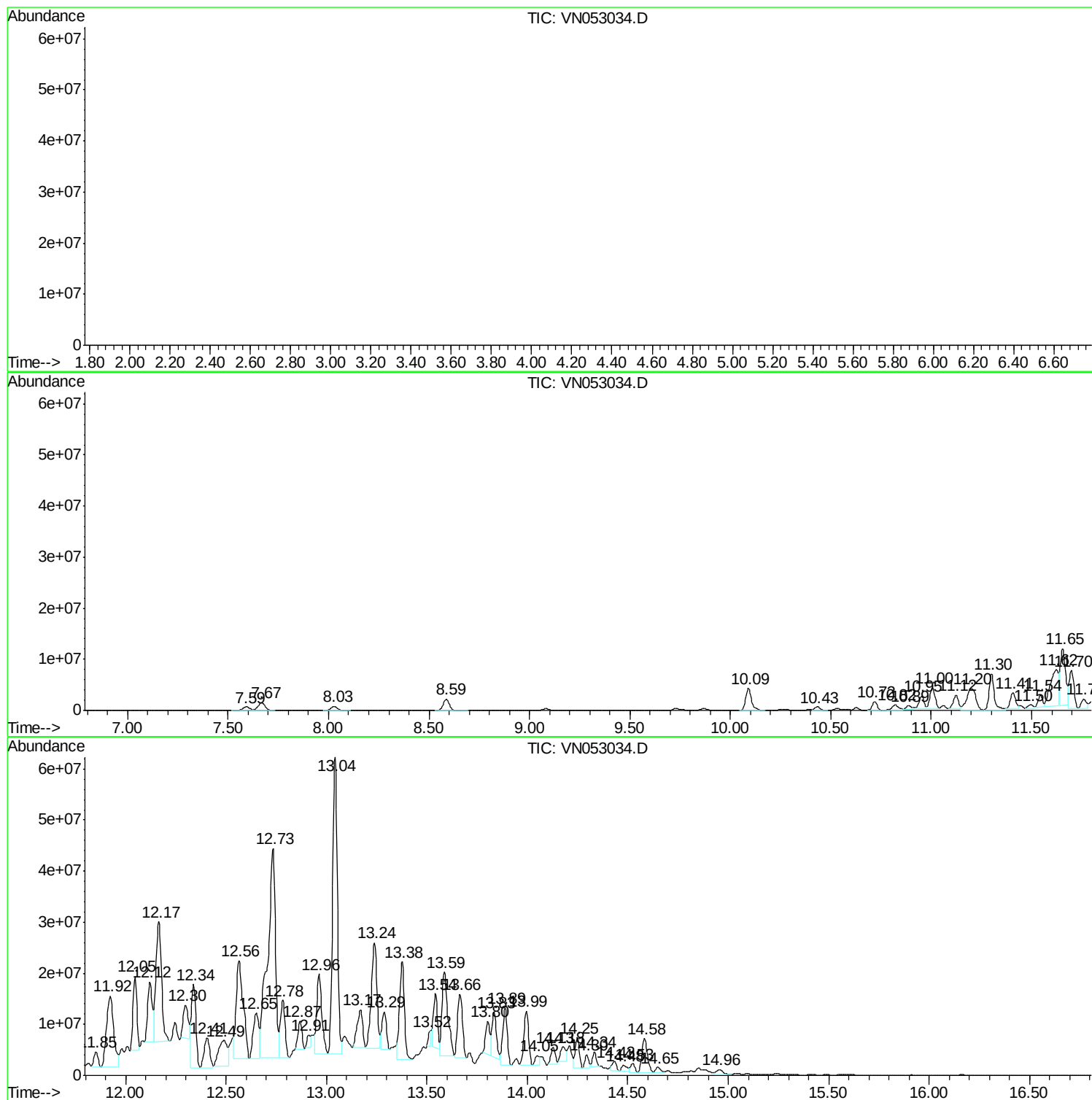
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Quant Title : SW846 8260

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



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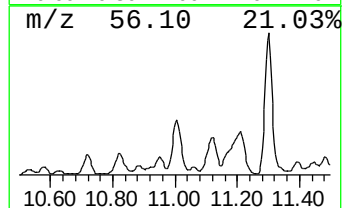
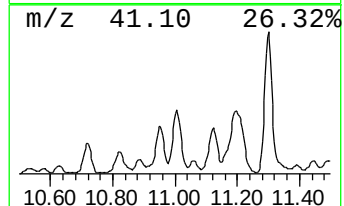
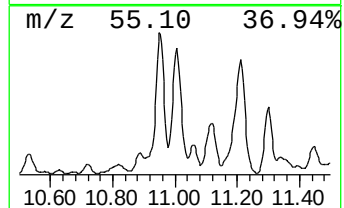
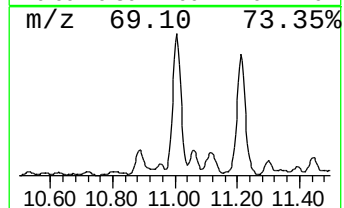
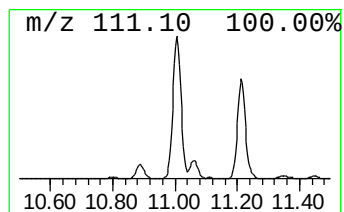
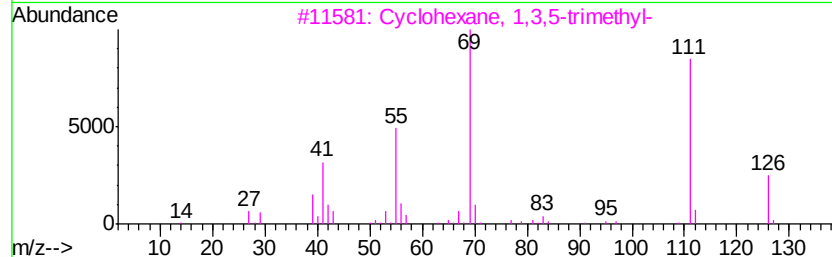
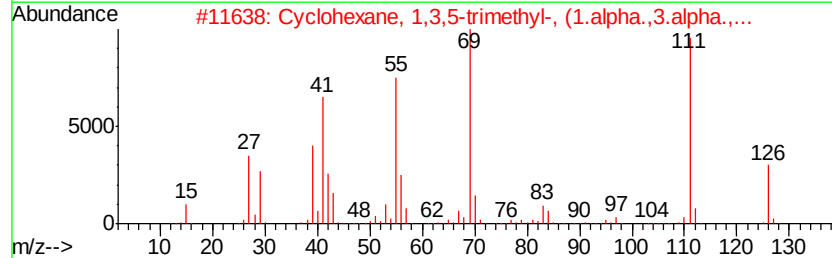
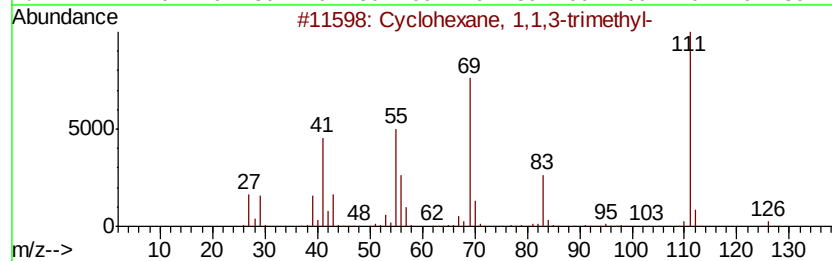
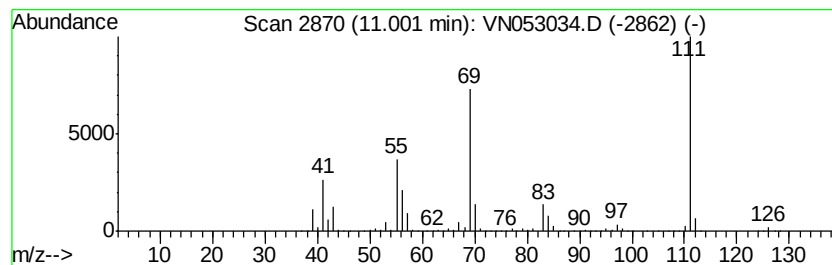
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.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	63.65 ug/l	7227120	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
2		Cvclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64
3		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59
4		4-Amino-6-hydroxvpymidine	111	C4H5N3O	001193-22-2	53
5		p-Fluoroaniline	111	C6H6FN	000371-40-4	50



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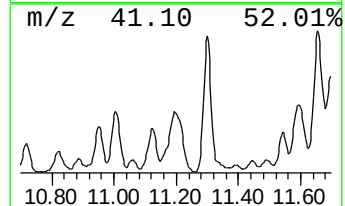
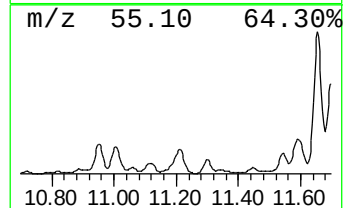
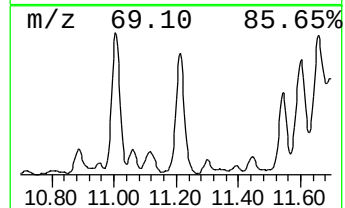
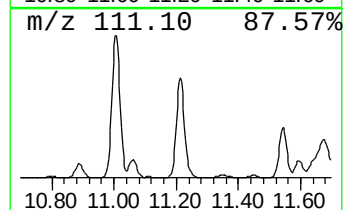
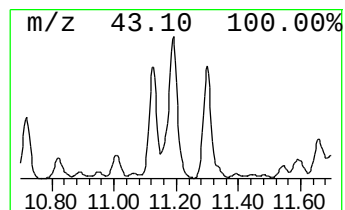
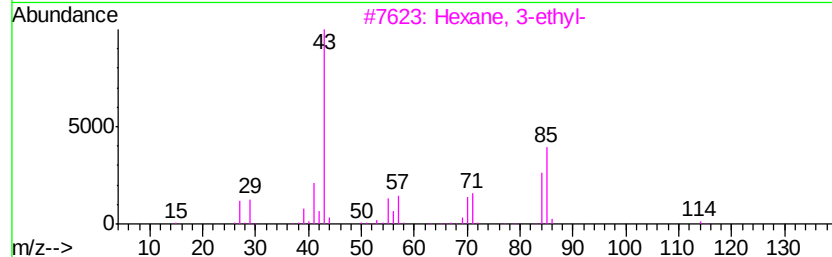
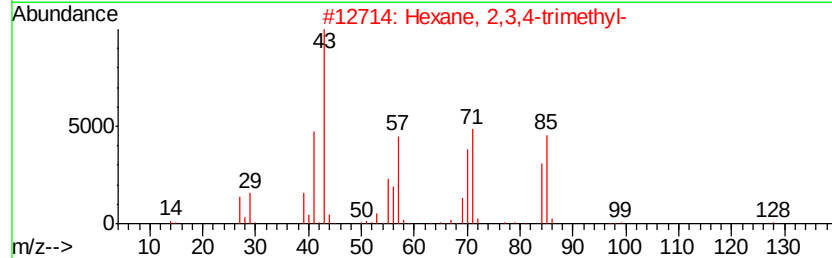
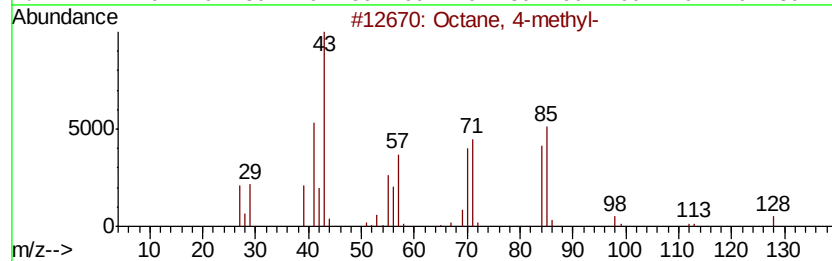
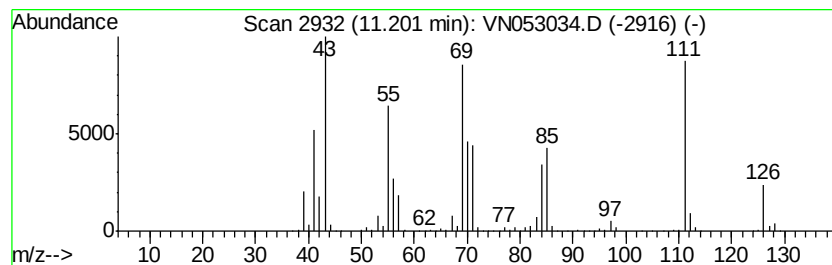
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Peak Number 2 Octane, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.20	115.84 ug/l	13152600	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 4-methyl-	128	C9H20	002216-34-4	86
2		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
3		Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
4		2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	47
5		Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	38



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ALS Vial : 41 Sample Multiplier: 28

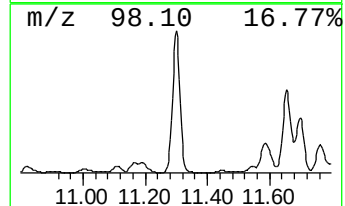
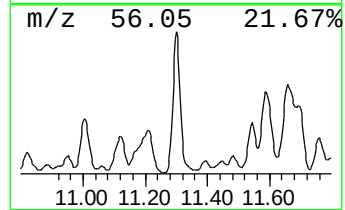
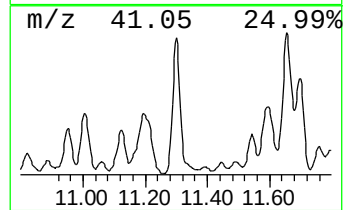
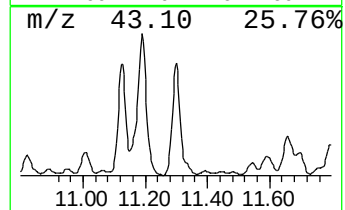
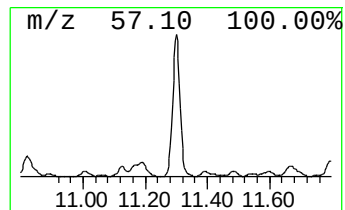
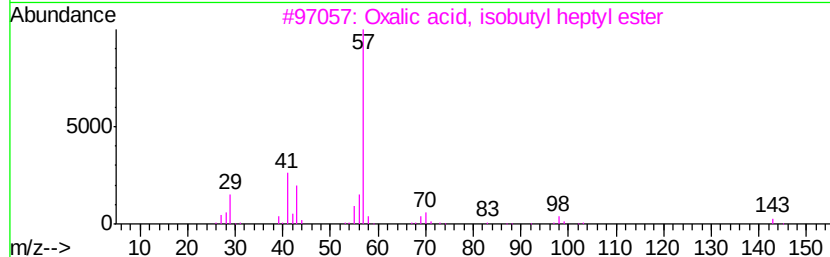
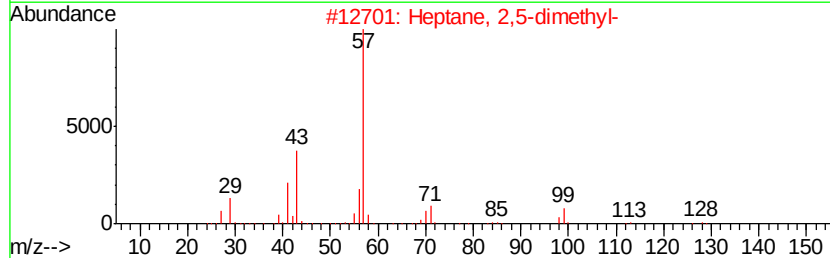
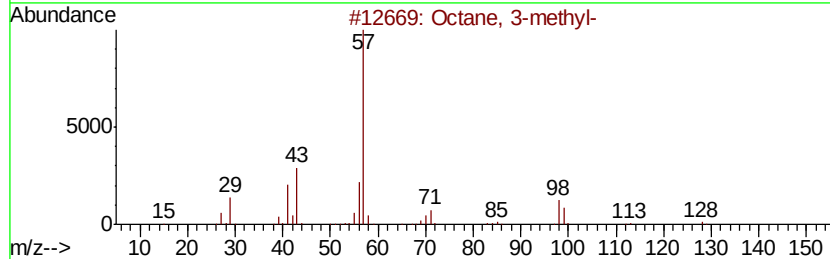
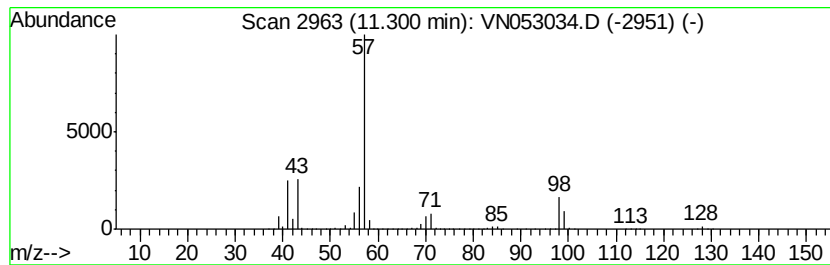
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Peak Number 3 Octane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.30	113.11 ug/l	12843600	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	80
3		Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	53
4		Undecane, 6-methyl-	170	C12H26	017302-33-9	53
5		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	50



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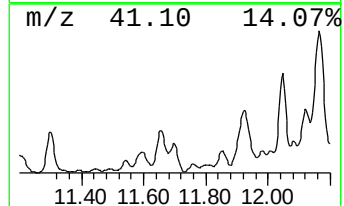
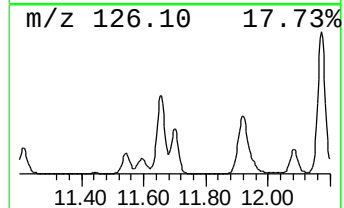
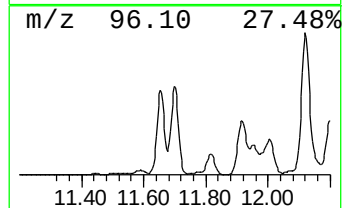
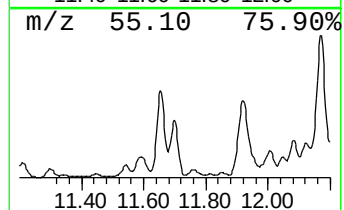
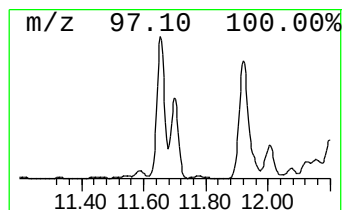
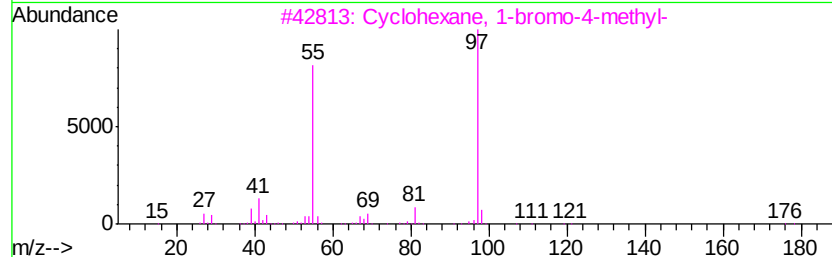
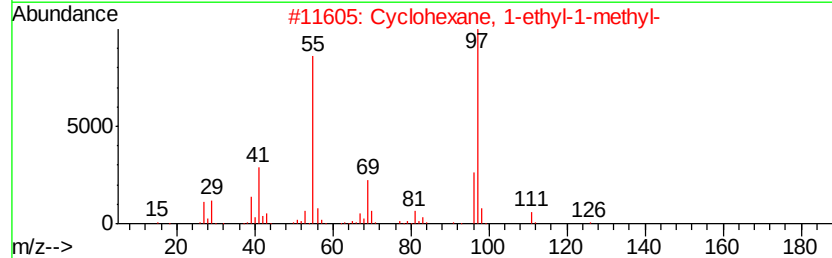
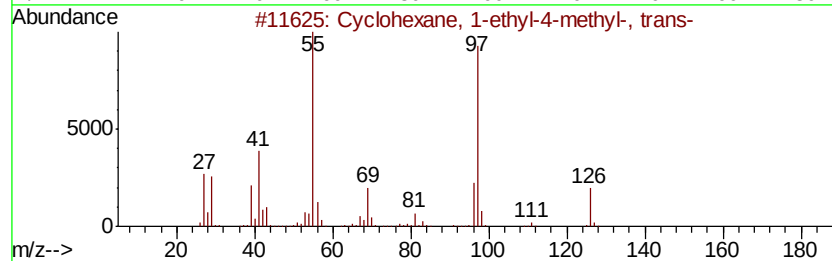
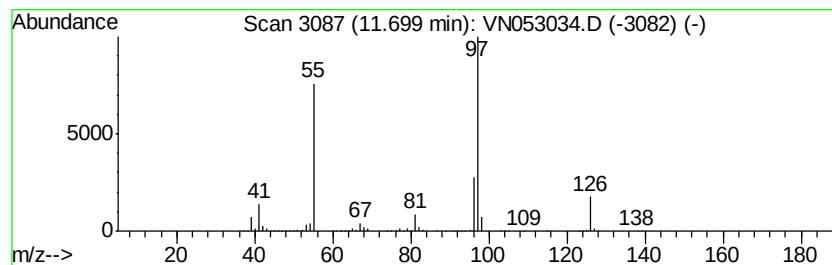
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Peak Number 4 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	100.54 ug/l	11415900	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
2		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
3		Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	64
4		4-Octen-3-one	126	C8H14O	014129-48-7	59
5		Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

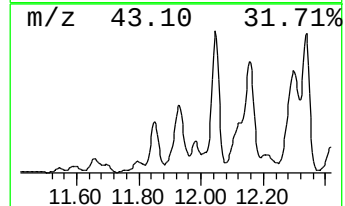
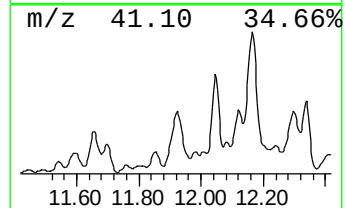
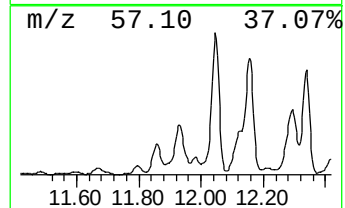
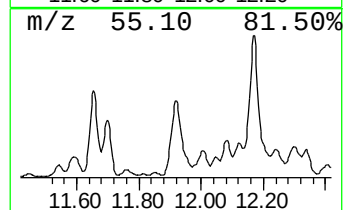
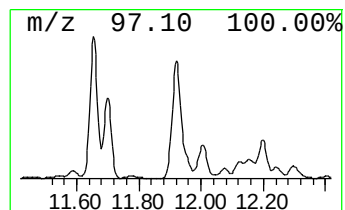
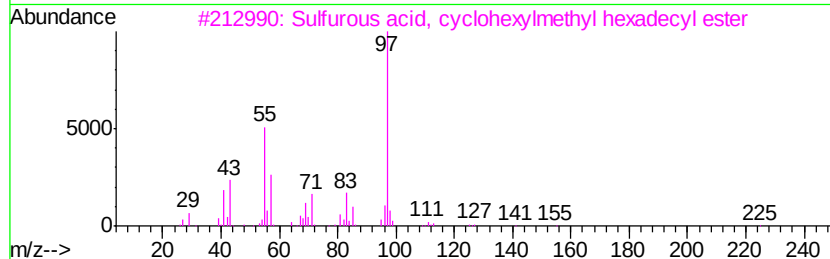
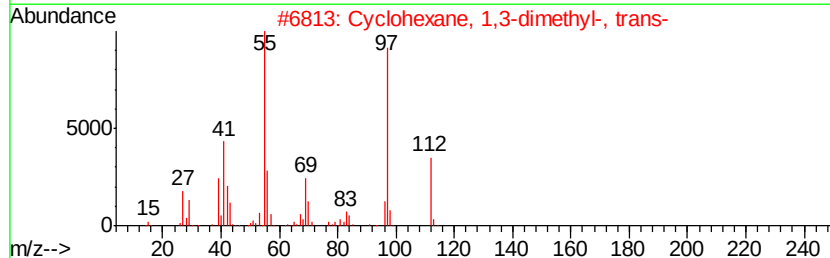
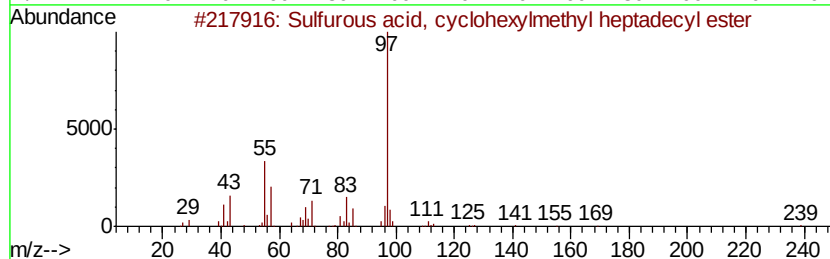
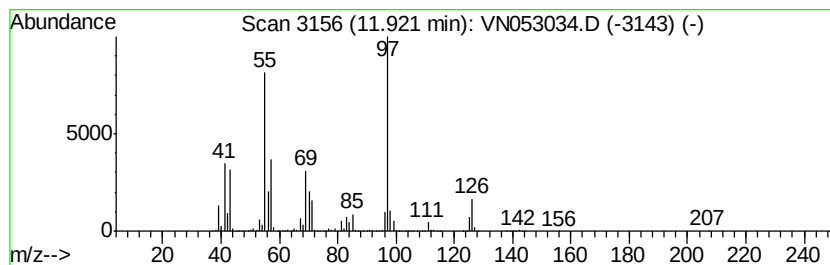
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Quant Title : SW846 8260

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

Peak Number 5 Sulfurous acid, cyclohexylm... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	304.36 ug/l	34558400	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethvl...	416	C24H48O3S	1000309-22-5	64
2		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
3		Sulfurous acid, cyclohexylmethvl...	402	C23H46O3S	1000309-22-4	59
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	58
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85uL/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

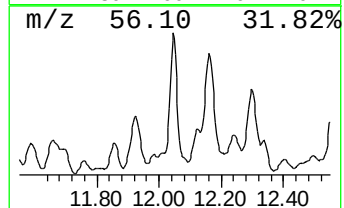
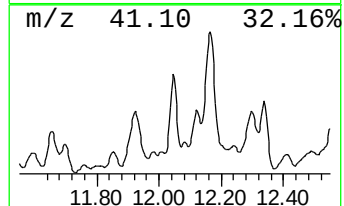
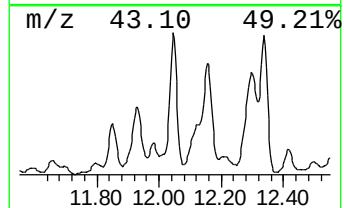
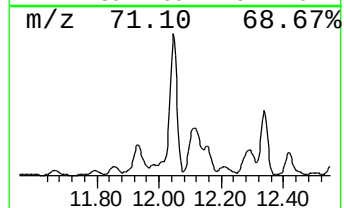
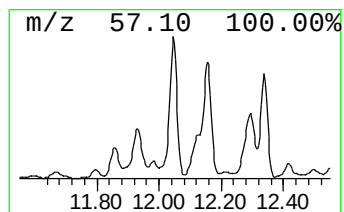
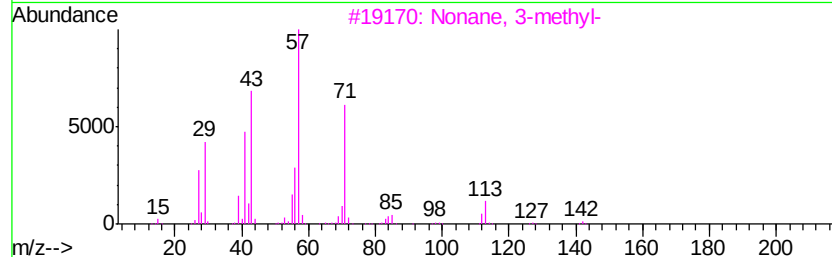
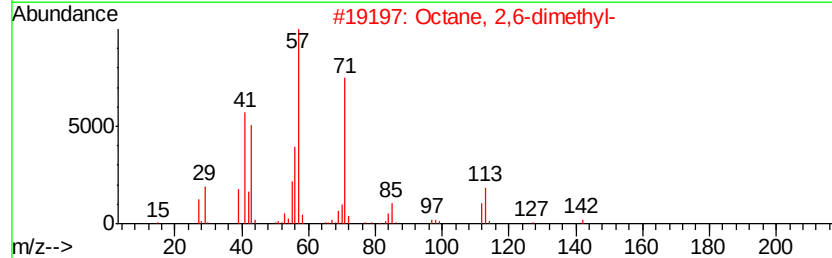
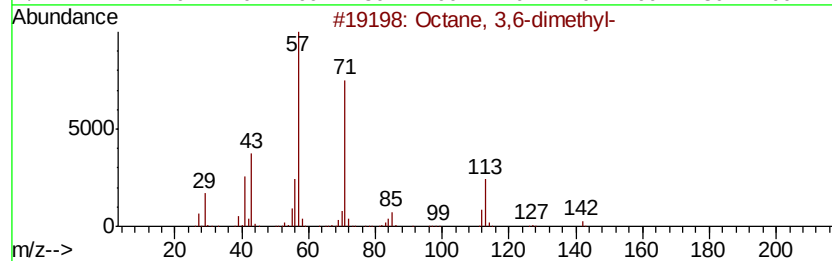
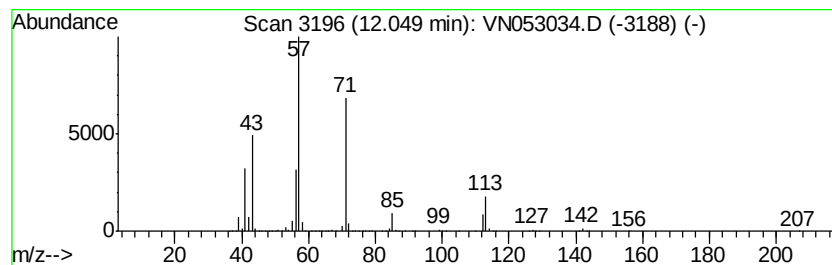
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Quant Title : SW846 8260

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	168.73 ug/l	19158500	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		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	90
4		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85u/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

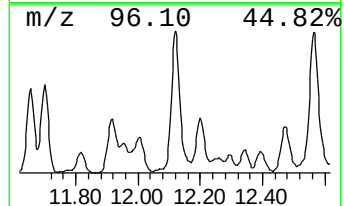
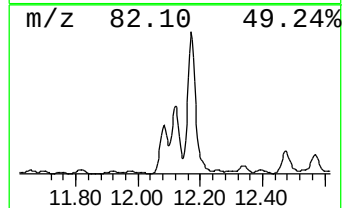
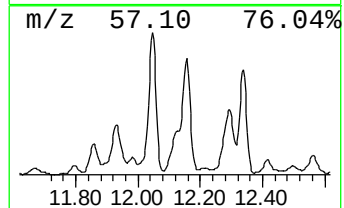
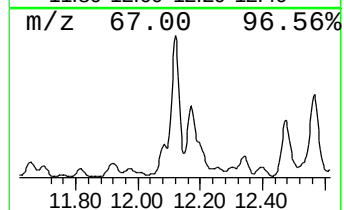
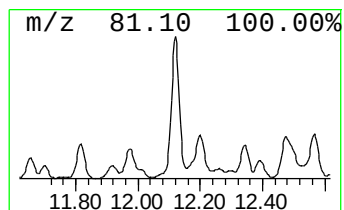
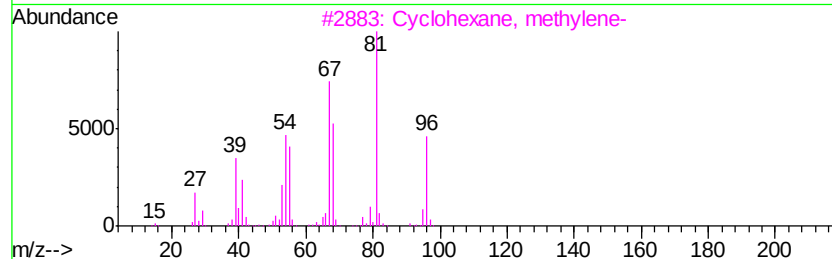
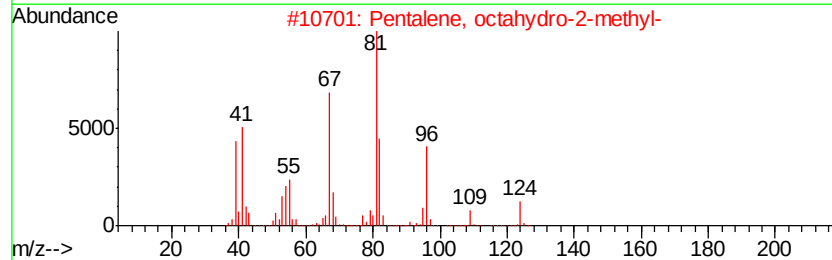
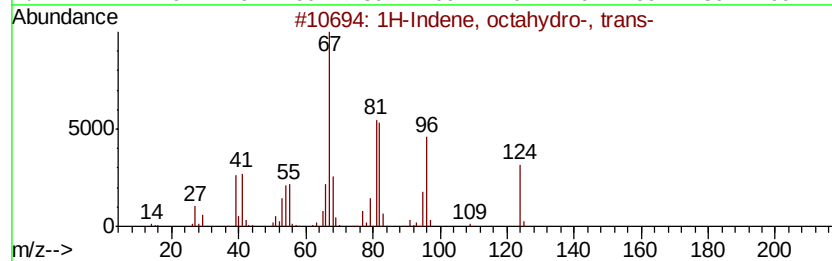
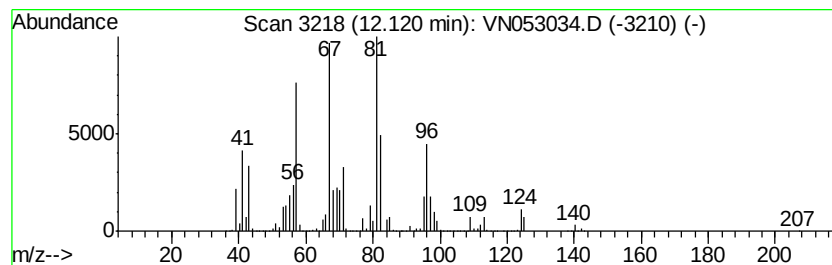
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, octahydro-, trans- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.12	169.58 ug/l	19254700	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	53
2		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
3		Cyclohexane, methylene-	96	C7H12	001192-37-6	52
4		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	49
5		3-Hexyne, 2-methyl-	96	C7H12	036566-80-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85uL/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

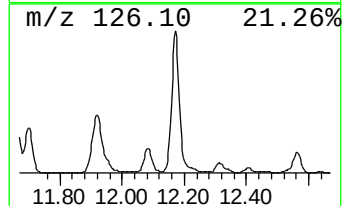
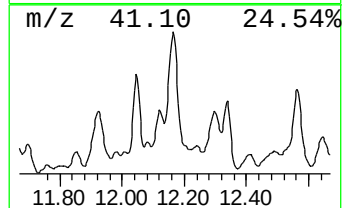
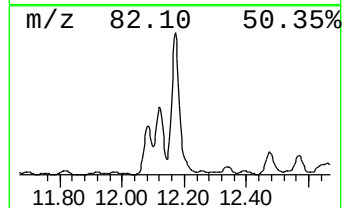
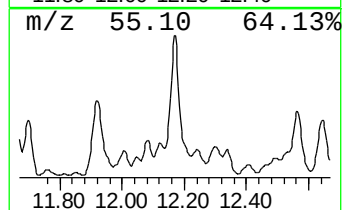
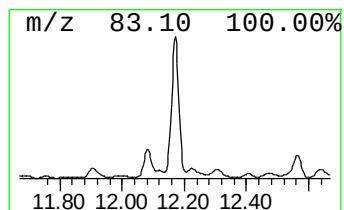
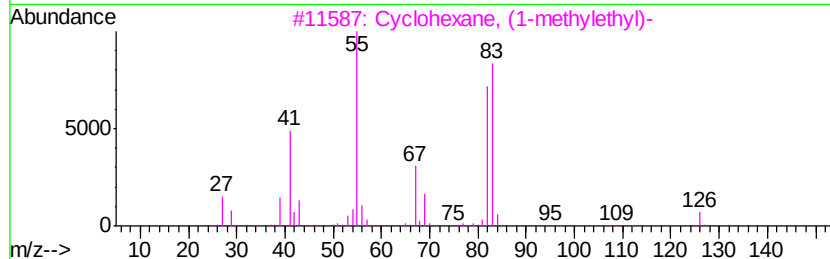
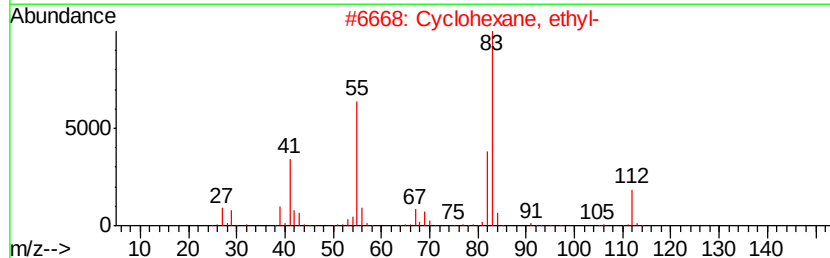
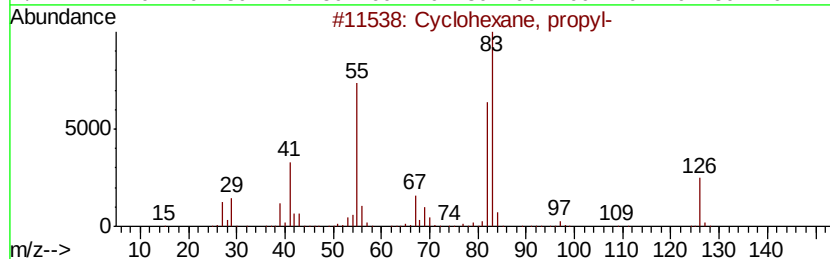
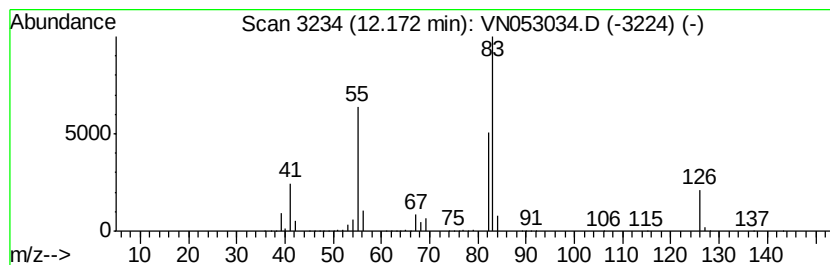
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

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	398.97 ug/l	45301100	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	64
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
4		1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	50
5		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85uL/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

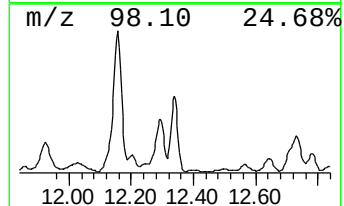
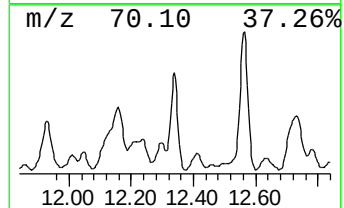
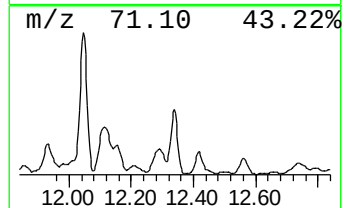
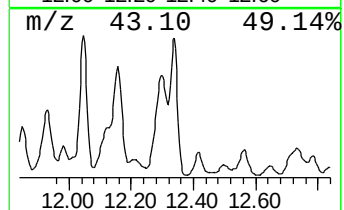
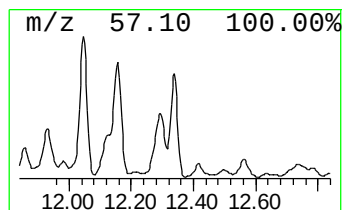
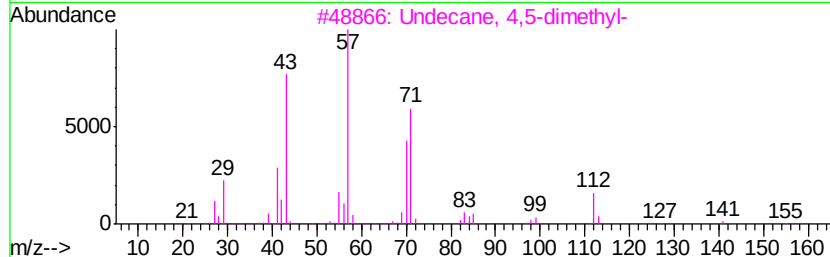
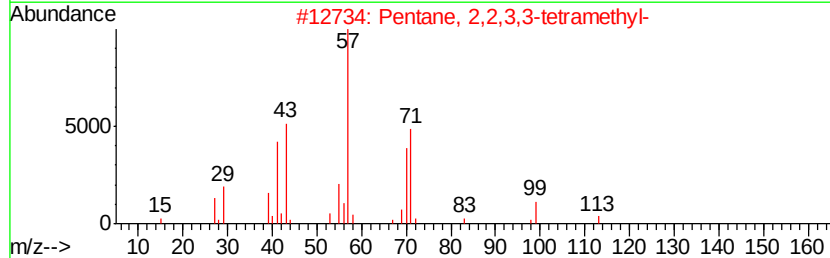
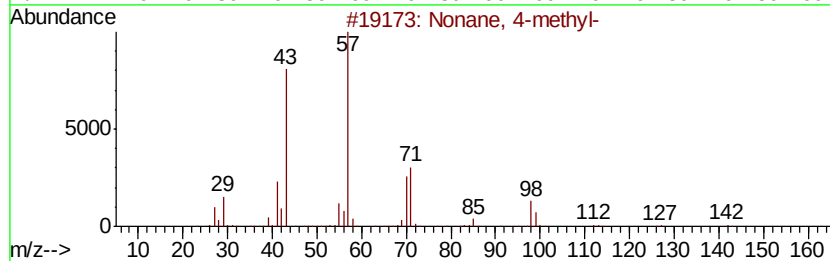
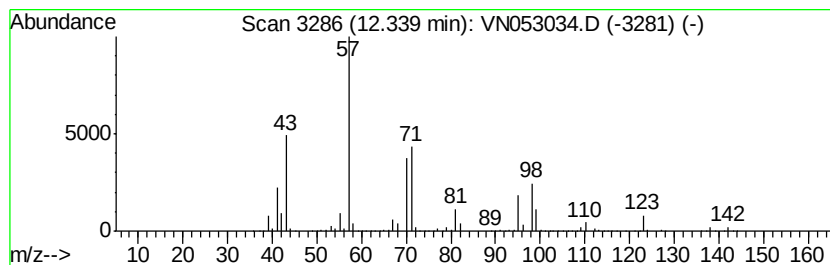
Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260

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

Peak Number 9 Nonane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	211.97 ug/l	24068800	Chlorobenzene-d5	11.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 4-methyl-	142 C10H22	017301-94-9	74
2	Pentane, 2,2,3,3-tetramethyl-	128 C9H20	007154-79-2	50
3	Undecane, 4,5-dimethyl-	184 C13H28	017312-79-7	47
4	Decane, 2,5,9-trimethyl-	184 C13H28	062108-22-9	43
5	Octane, 3,5-dimethyl-	142 C10H22	015869-93-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

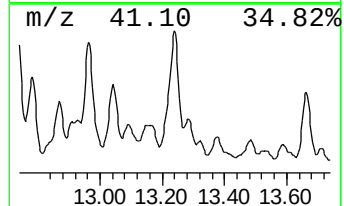
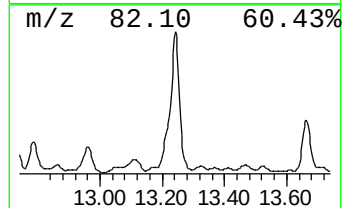
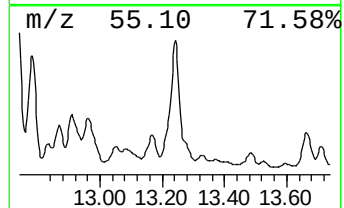
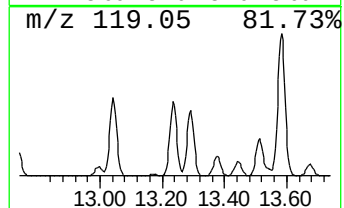
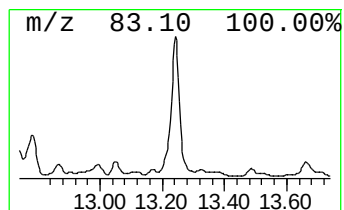
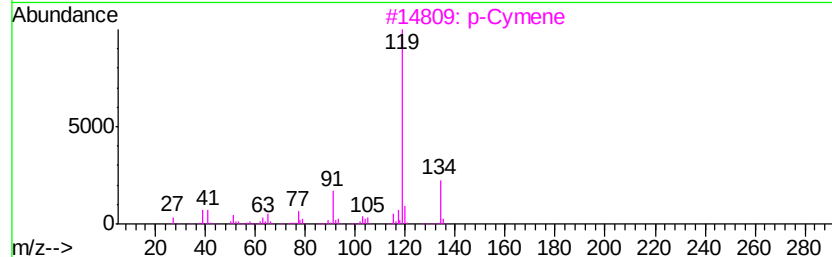
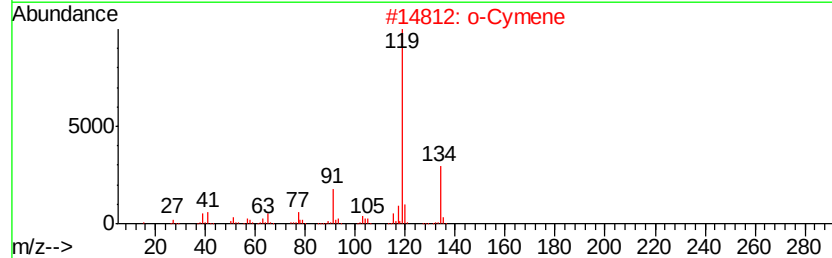
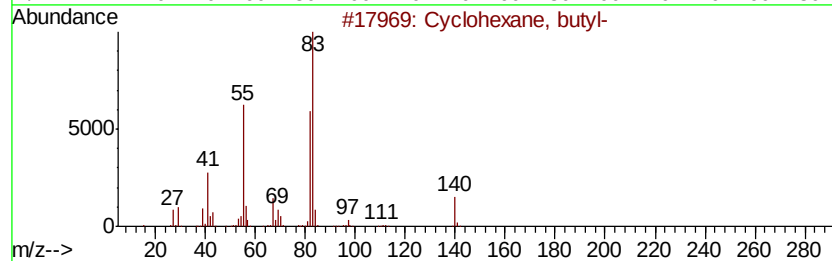
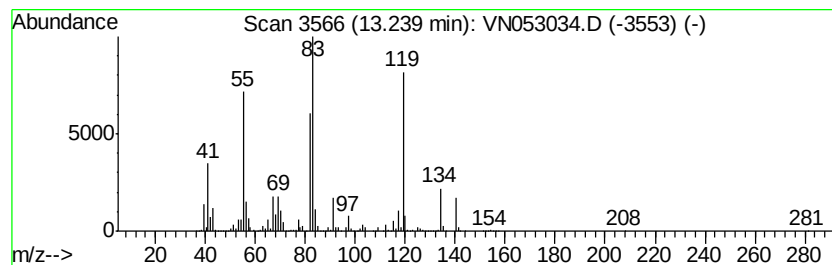
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	63.28 ug/l	39746700	1,4-Dichlorobenzene-d4	13.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	89
2		o-Cymene	134	C10H14	000527-84-4	89
3		p-Cymene	134	C10H14	000099-87-6	89
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	86
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053034.D
Acq On : 20 Dec 2018 2:23
Operator : MD\SY
Sample : J6411-10 10X
Misc : 5.85g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
EP1-SBR-3B(17-18FT)1218

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.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	63.6	ug/l	7227120	3	11.41	5677300	50.0
Octane, 4-methyl-	11.20	115.8	ug/l	13152600	3	11.41	5677300	50.0
Octane, 3-methyl-	11.30	113.1	ug/l	12843600	3	11.41	5677300	50.0
Cyclohexane, 1-et...	11.70	100.5	ug/l	11415900	3	11.41	5677300	50.0
Sulfurous acid, c...	11.92	304.4	ug/l	34558400	3	11.41	5677300	50.0
Octane, 3,6-dimet...	12.05	168.7	ug/l	19158500	3	11.41	5677300	50.0
1H-Indene, octahy...	12.12	169.6	ug/l	19254700	3	11.41	5677300	50.0
Cyclohexane, propyl-	12.17	399.0	ug/l	45301100	3	11.41	5677300	50.0
Nonane, 4-methyl-	12.34	212.0	ug/l	24068800	3	11.41	5677300	50.0
Cyclohexane, butyl-	13.24	63.3	ug/l	39746700	4	13.35	31405800	50.0