

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
 Data File : VN055791.D
 Acq On : 24 May 2019 13:12
 Operator : JC/SP
 Sample : K2977-04 100X
 Misc : 5.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-W-2R(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\82N052319W.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	4.741	901	923	948	rVB	13624	47740	1.52%	0.155%
2	7.590	1789	1809	1820	rBV	231863	579268	18.42%	1.880%
3	7.664	1820	1832	1852	rVB	430453	1017795	32.37%	3.303%
4	8.027	1928	1945	1965	rBV	229731	532106	16.92%	1.727%
5	8.583	2103	2118	2161	rVB	597134	1279710	40.70%	4.153%
6	10.088	2572	2586	2620	rBV	933704	1837040	58.43%	5.961%
7	10.432	2684	2693	2708	rVB	20377	38209	1.22%	0.124%
8	10.718	2771	2782	2793	rVB2	28140	48382	1.54%	0.157%
9	10.818	2798	2813	2825	rBV2	22882	50475	1.61%	0.164%
10	10.950	2845	2854	2862	rBV	50354	75620	2.41%	0.245%
11	11.004	2862	2871	2881	rVB2	80996	140663	4.47%	0.456%
12	11.123	2896	2908	2915	rBV3	57491	103806	3.30%	0.337%
13	11.207	2916	2934	2950	rVB6	92792	270219	8.59%	0.877%
14	11.297	2950	2962	2982	rBV	92947	184810	5.88%	0.600%
15	11.406	2982	2996	3014	rBV	842952	1549062	49.27%	5.027%
16	11.541	3030	3038	3044	rBV2	48294	71026	2.26%	0.230%
17	11.596	3045	3055	3060	rBV7	76005	157549	5.01%	0.511%
18	11.651	3065	3072	3081	rVV2	214301	359072	11.42%	1.165%
19	11.696	3081	3086	3097	rVB2	187541	296966	9.45%	0.964%
20	11.757	3097	3105	3111	rBV3	38848	68563	2.18%	0.222%
21	11.811	3112	3122	3126	rBV3	37199	65598	2.09%	0.213%
22	11.850	3127	3134	3142	rVB4	109403	167852	5.34%	0.545%
23	11.921	3142	3156	3168	rBV6	403280	992545	31.57%	3.221%
24	12.043	3186	3194	3201	rBV	430898	580484	18.46%	1.884%
25	12.082	3202	3206	3208	rBV2	45797	42674	1.36%	0.138%
26	12.117	3210	3217	3223	rVV3	365503	632434	20.12%	2.052%
27	12.162	3224	3231	3250	rVB5	617380	1247760	39.69%	4.049%
28	12.294	3266	3272	3279	rBV7	151600	251646	8.00%	0.817%
29	12.336	3280	3285	3294	rVB2	449133	658337	20.94%	2.136%
30	12.400	3294	3305	3317	rBV	806141	1402448	44.61%	4.551%
31	12.487	3318	3332	3339	rBV8	130683	349235	11.11%	1.133%
32	12.561	3348	3355	3371	rVB3	458855	1087301	34.58%	3.528%
33	12.644	3372	3381	3387	rBV5	190395	364903	11.61%	1.184%
34	12.725	3388	3406	3416	rVV5	577072	1983802	63.10%	6.437%

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(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\82N052319W.M
Title : SW846 8260

35	12.779	3417	3423	3433	rVB2	302102	483700	15.38%	1.570%
36	12.869	3443	3451	3457	rBV7	185644	267340	8.50%	0.868%
37	12.959	3472	3479	3492	rVB2	731585	1198237	38.11%	3.888%
38	13.037	3493	3503	3514	rBV	1927996	3143997	100.00%	10.202%
39	13.165	3531	3543	3551	rVB6	226674	510233	16.23%	1.656%
40	13.239	3553	3566	3573	rVV3	439575	909336	28.92%	2.951%
41	13.284	3574	3580	3588	rVV2	319452	517510	16.46%	1.679%
42	13.342	3589	3598	3622	rVB2	731799	1579487	50.24%	5.125%
43	13.593	3668	3676	3688	rBV3	196373	451002	14.34%	1.463%
44	13.660	3688	3697	3707	rVV4	363162	650916	20.70%	2.112%
45	13.799	3734	3740	3745	rBV2	134612	207063	6.59%	0.672%
46	13.831	3746	3750	3759	rVB	252667	334305	10.63%	1.085%
47	13.885	3760	3767	3777	rVB	300904	469721	14.94%	1.524%
48	13.937	3778	3783	3791	rVB2	53355	74961	2.38%	0.243%
49	13.991	3791	3800	3809	rVB5	175609	297098	9.45%	0.964%
50	14.126	3833	3842	3848	rBV3	75219	127010	4.04%	0.412%
51	14.175	3849	3857	3863	rBV6	103986	196293	6.24%	0.637%
52	14.245	3873	3879	3887	rVB	153409	222317	7.07%	0.721%
53	14.294	3888	3894	3899	rBV3	45007	57950	1.84%	0.188%
54	14.329	3900	3905	3912	rVB4	53636	66387	2.11%	0.215%
55	14.477	3944	3951	3959	rBV6	21042	45336	1.44%	0.147%
56	14.522	3960	3965	3973	rVV2	41570	56854	1.81%	0.184%
57	14.580	3973	3983	3995	rVV2	162817	306783	9.76%	0.995%
58	14.641	3996	4002	4013	rVB5	39046	67686	2.15%	0.220%
59	14.956	4092	4100	4109	rVB4	20214	40518	1.29%	0.131%

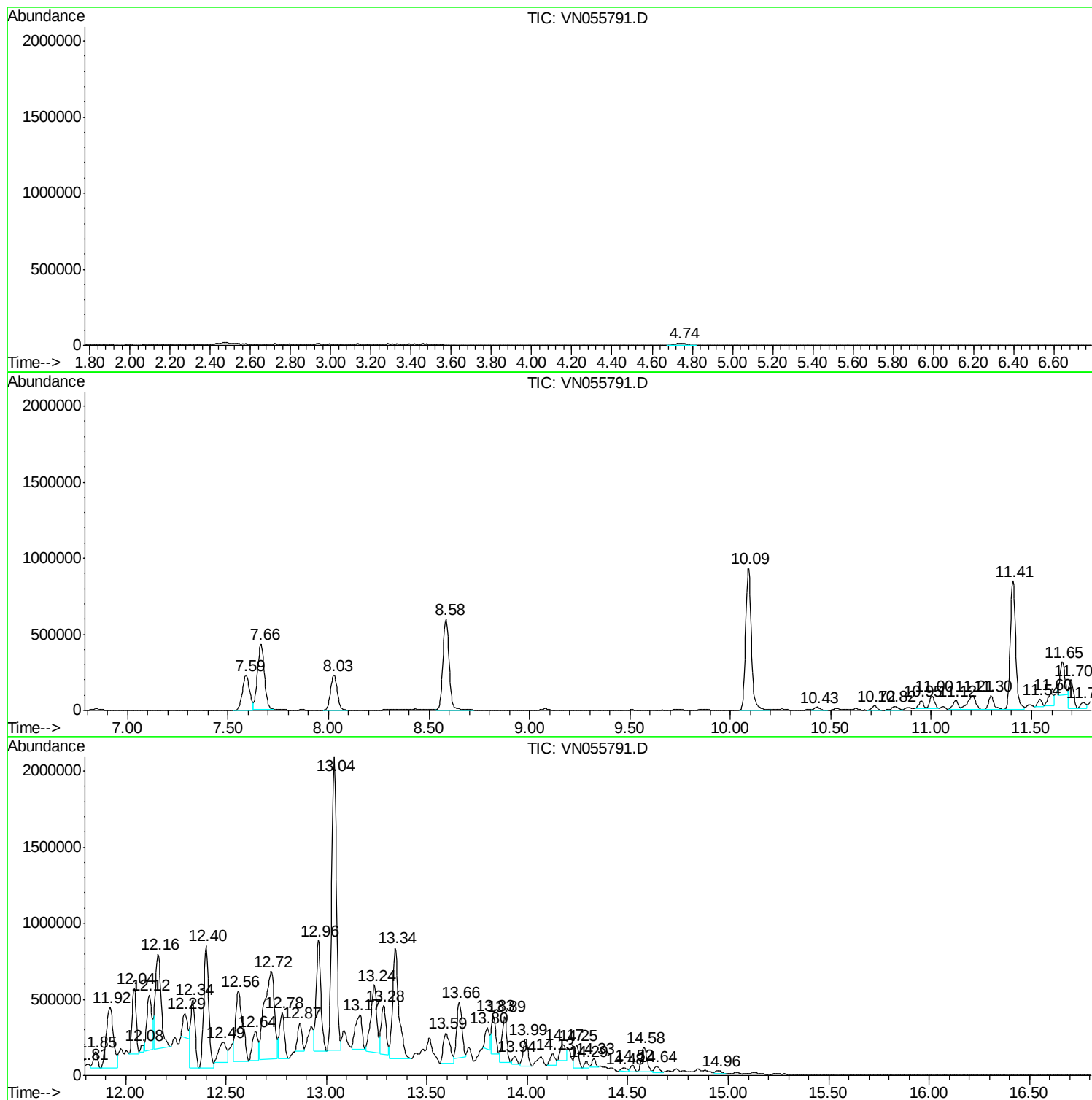
Sum of corrected areas: 30817140

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61a/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

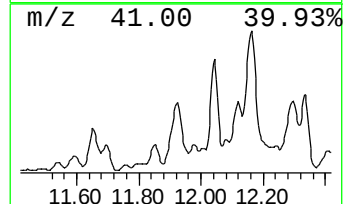
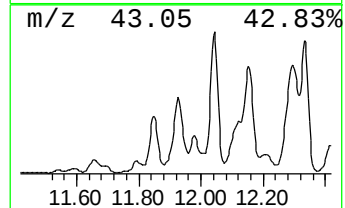
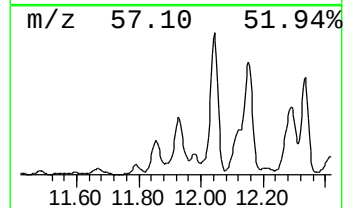
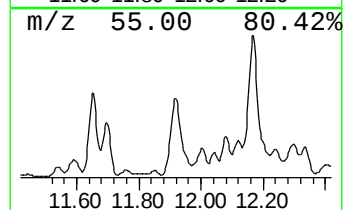
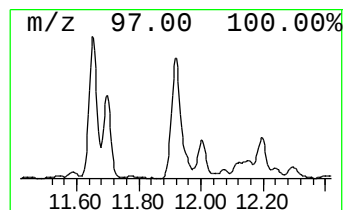
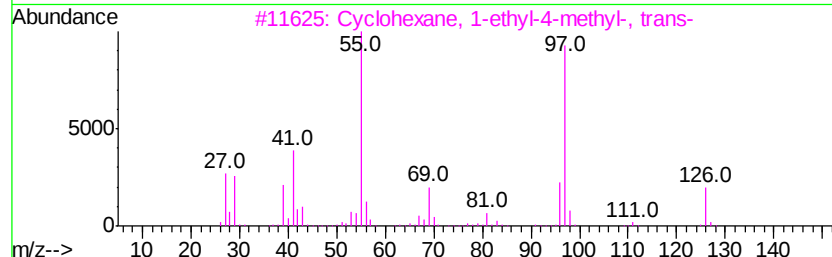
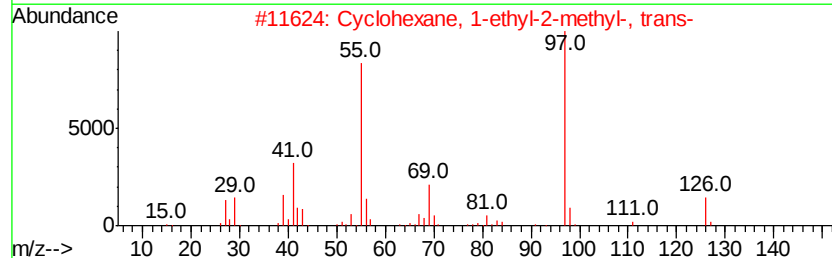
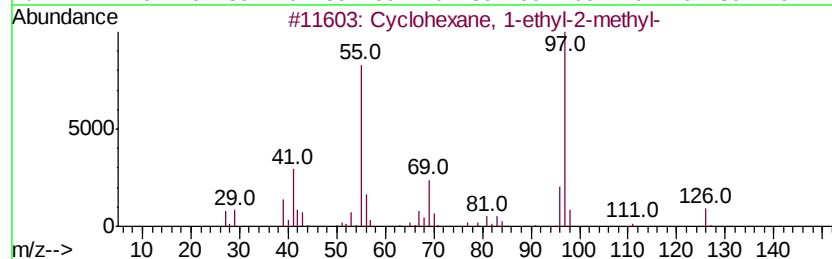
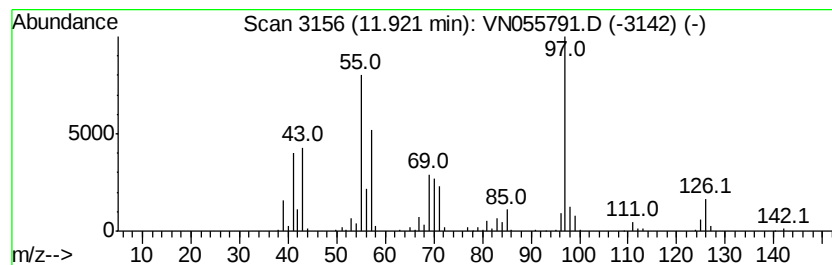
Instrument :
MSVOA_N
ClientSampled :
EP1-W-2R(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.92	32.04 ug/l	992545	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
2		Cvclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52
3		Cvclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
4		Cvclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
5		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

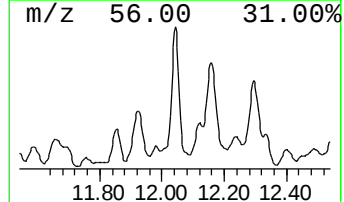
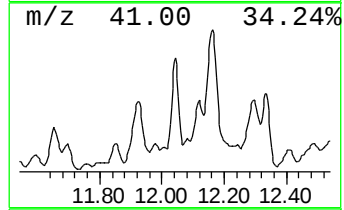
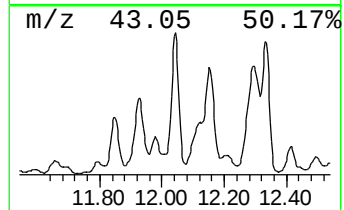
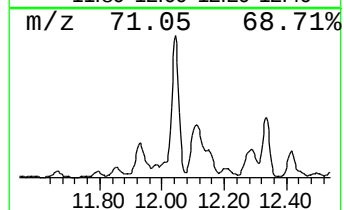
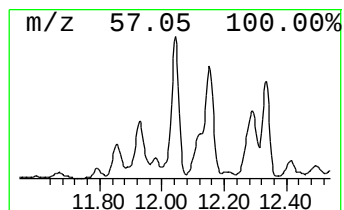
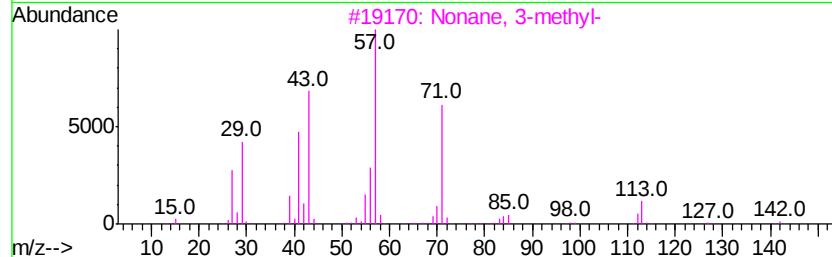
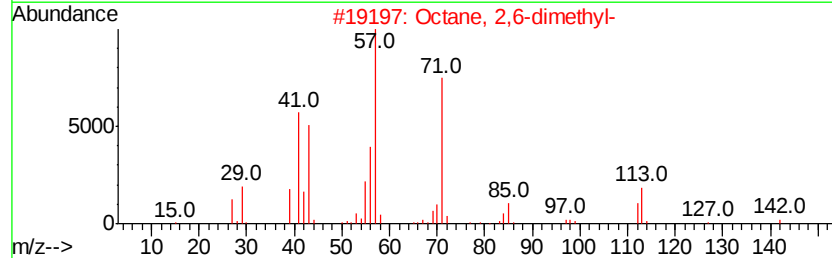
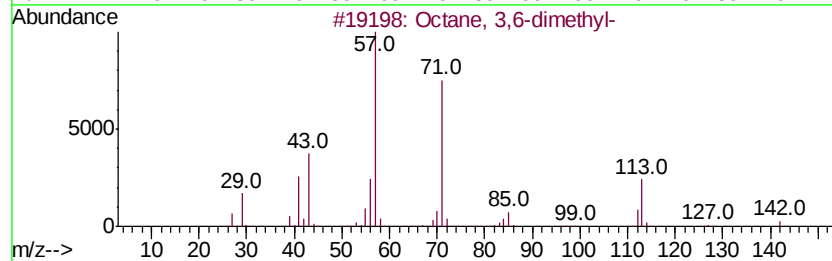
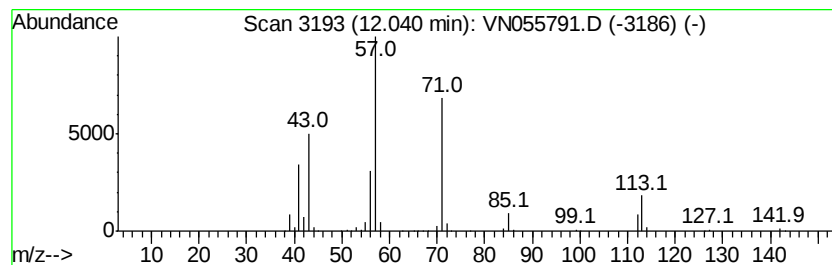
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 2 Octane, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	18.74 ug/l	580484	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	91
4		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64
5		Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

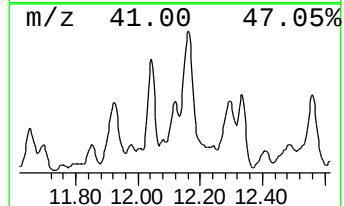
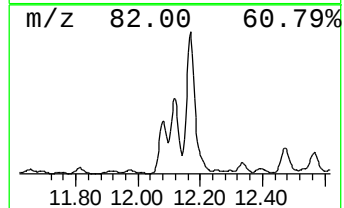
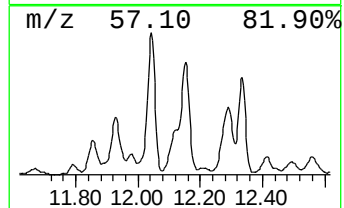
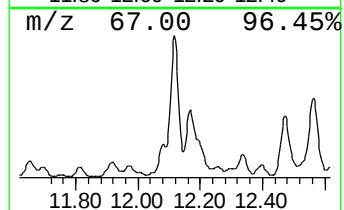
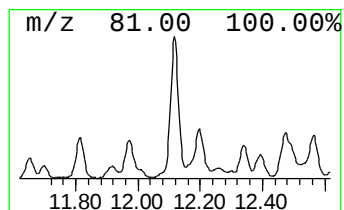
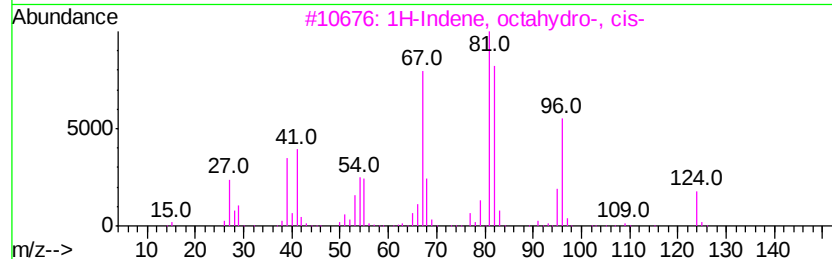
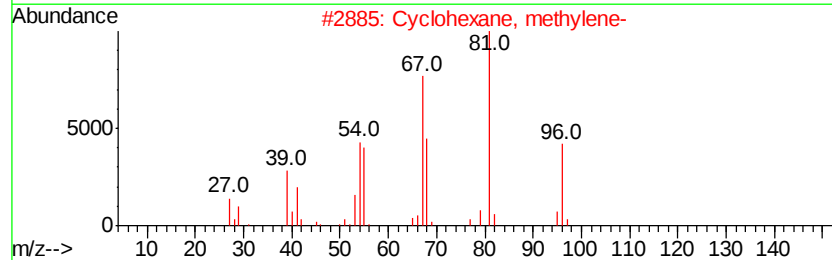
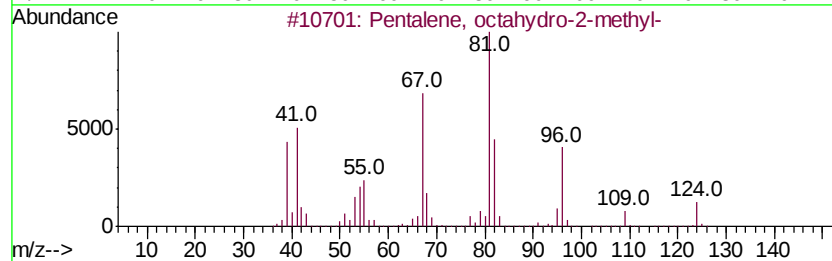
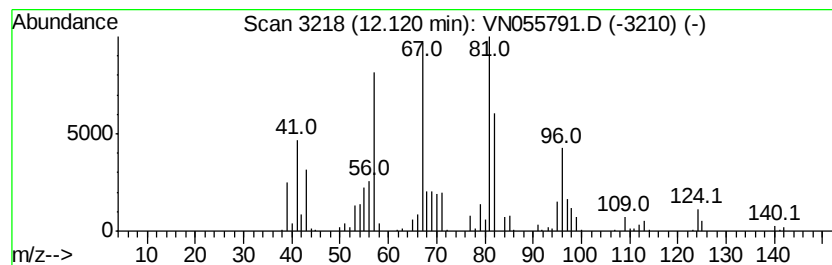
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 3 Pentalene, octahydro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	20.41 ug/l	632434	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	68
2		Cyclohexane, methylene-	96	C7H12	001192-37-6	52
3		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	50
4		Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	50
5		1-Methylcyclooctene	124	C9H16	000933-11-9	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61a/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

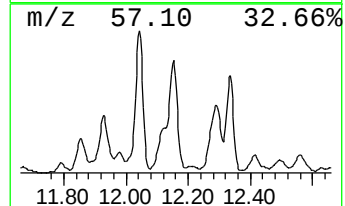
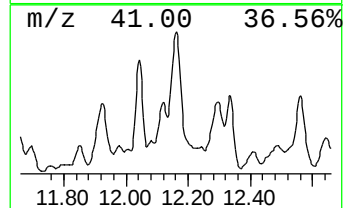
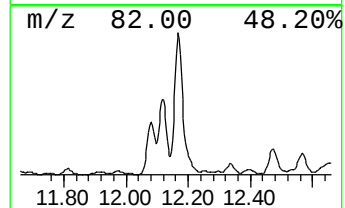
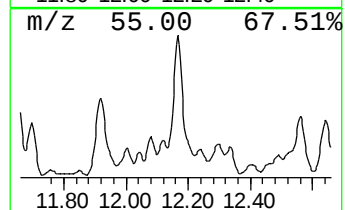
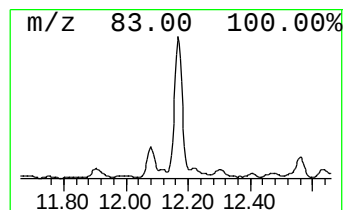
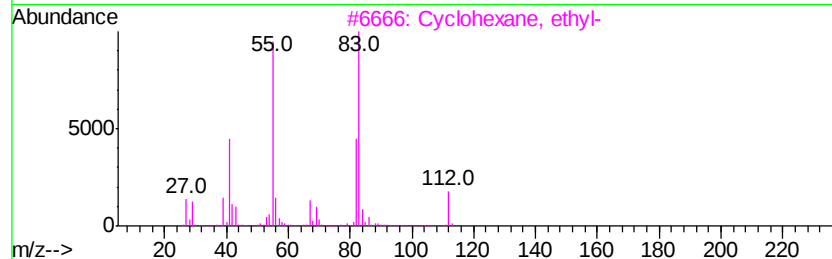
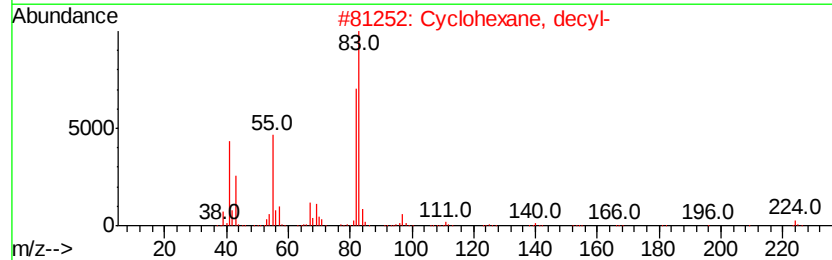
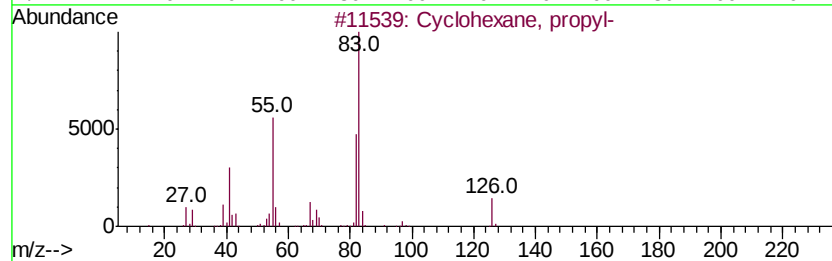
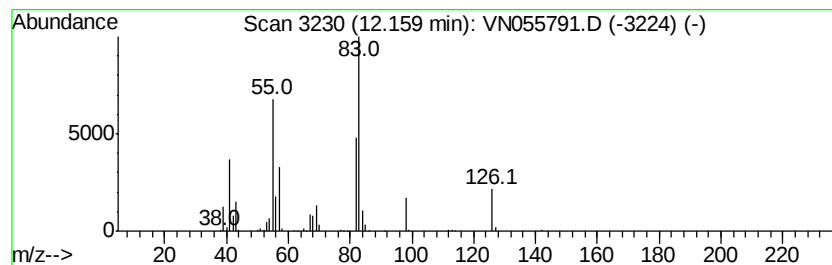
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	40.27 ug/l	1247760	Chlorobenzene-d5	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2		Cyclohexane, decyl-	224	C16H32	001795-16-0	72
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	59
4		Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5		Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

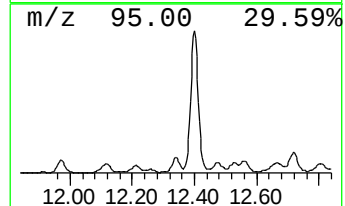
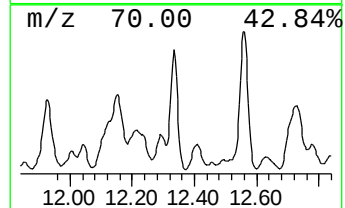
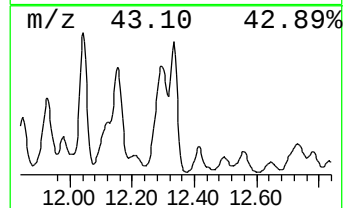
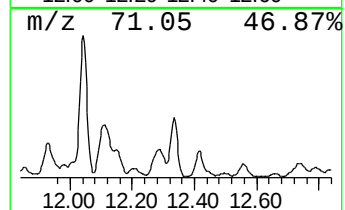
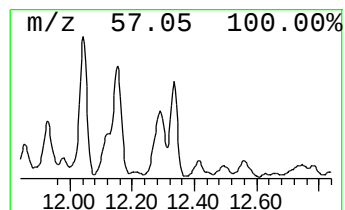
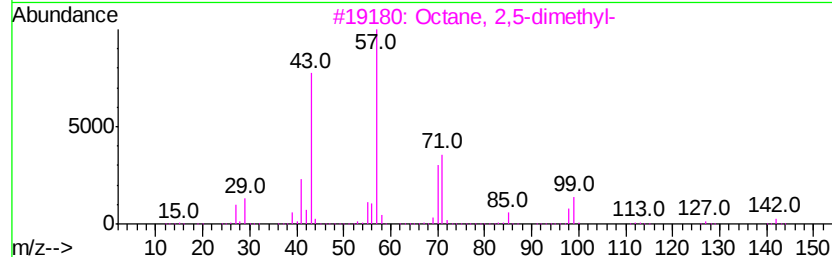
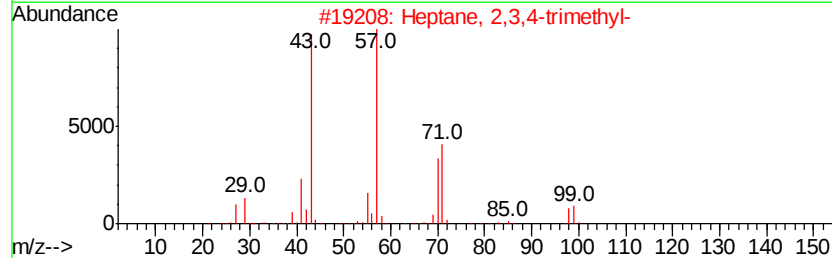
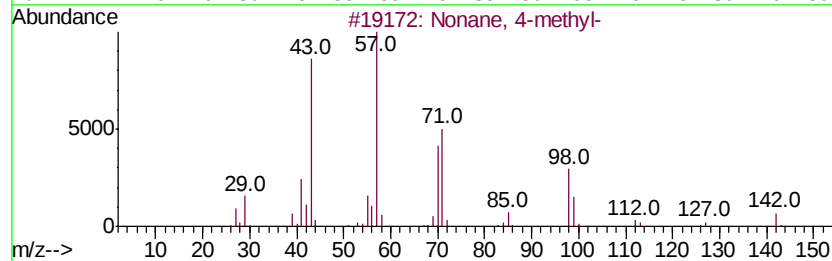
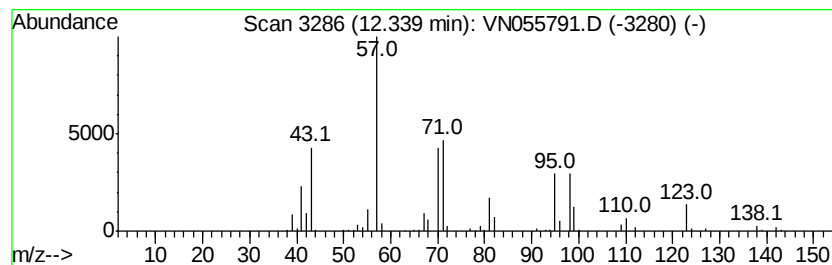
Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 5 Nonane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.34	21.25 ug/l	658337	Chlorobenzene-d5	11.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	53
2		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	40
3		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	38
4		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
5		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

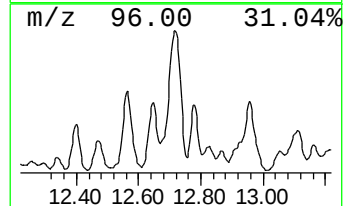
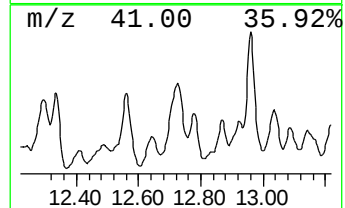
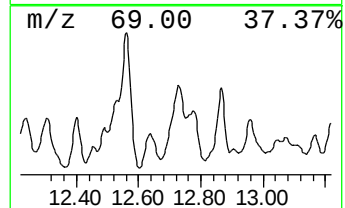
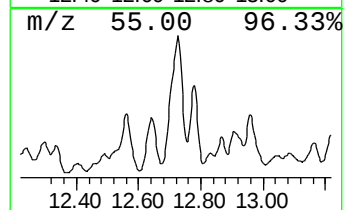
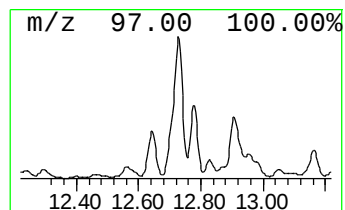
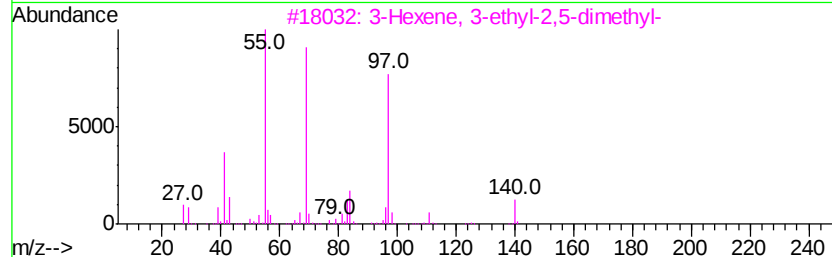
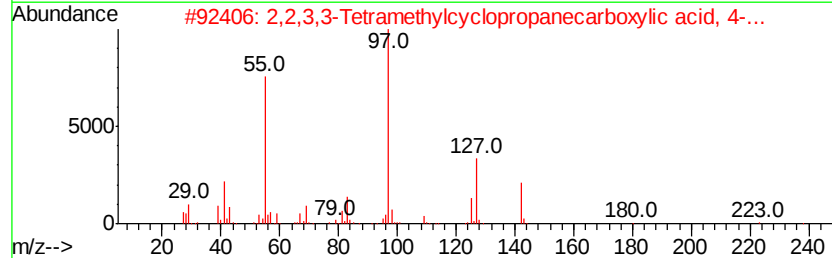
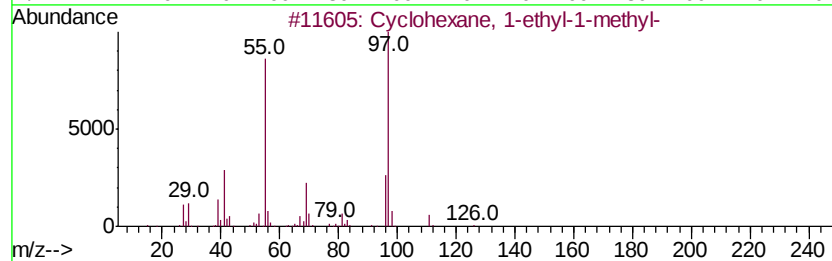
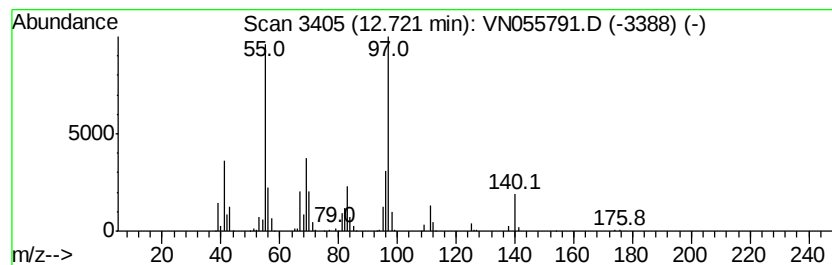
Instrument :
MSVOA_N
ClientSampled :
EP1-W-2R(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, 1-ethyl-1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	62.80 ug/l	1983800	1,4-Dichlorobenzene-d4	13.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3 58
2		2,2,3,3-Tetramethylcyclopropanec...	238 C15H26O2	1000221-97-5 53
3		3-Hexene, 3-ethyl-2,5-dimethyl-	140 C10H20	062338-08-3 53
4		Oxalic acid, butyl cyclohexylmet...	242 C13H22O4	1000309-68-2 53
5		Oxalic acid, cyclohexylmethyl pr...	228 C12H20O4	1000309-68-1 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

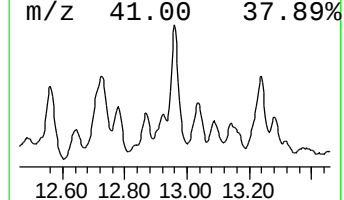
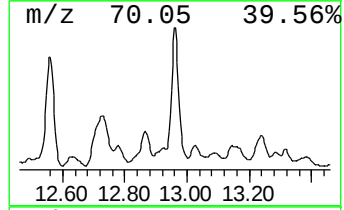
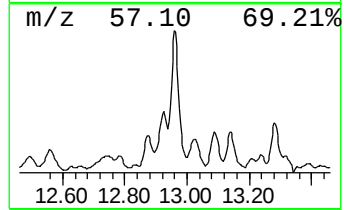
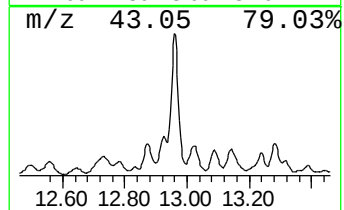
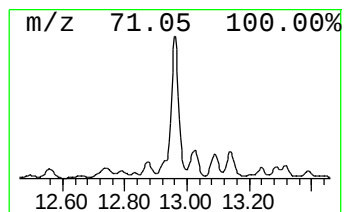
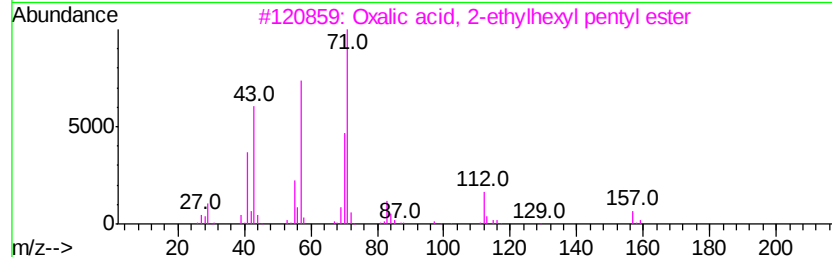
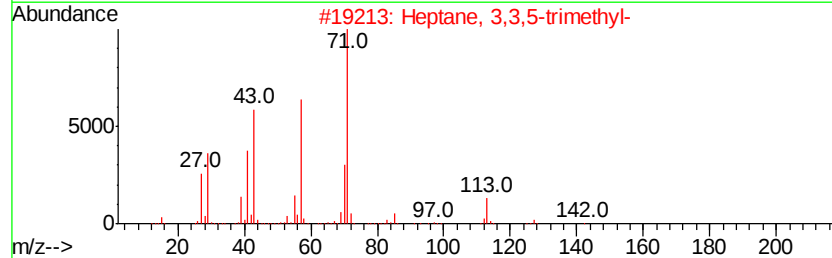
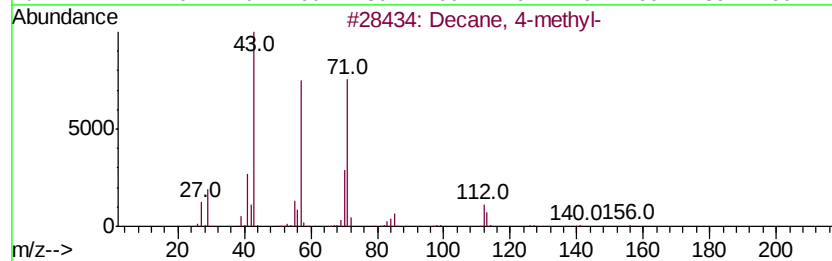
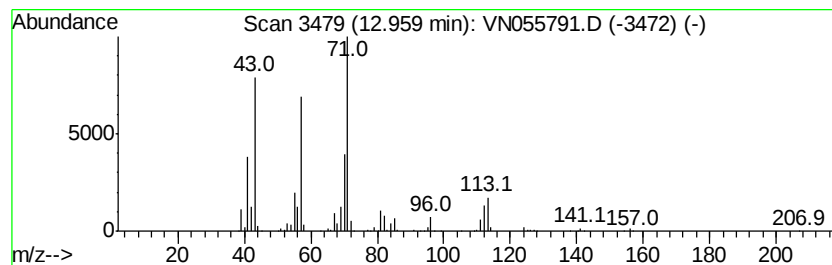
Instrument :
MSVOA_N
ClientSampleID :
EP1-W-2R(17-20)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	37.93 ug/l	1198240	1,4-Dichlorobenzene-d4	13.34
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	87
2	Heptane, 3,3,5-trimethyl-	142 C10H22	007154-80-5	72
3	Oxalic acid, 2-ethylhexyl pentyl...	272 C15H28O4	1000309-38-7	72
4	Octane, 3-ethyl-	142 C10H22	005881-17-4	72
5	Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

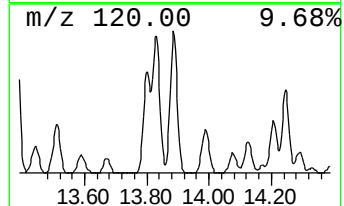
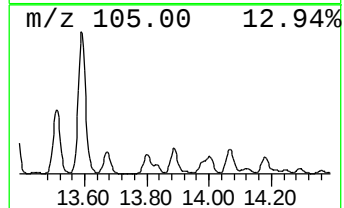
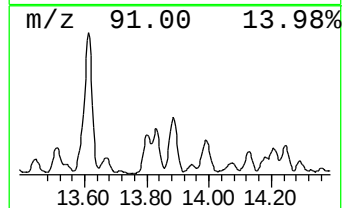
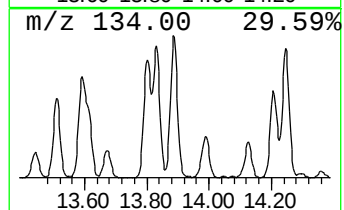
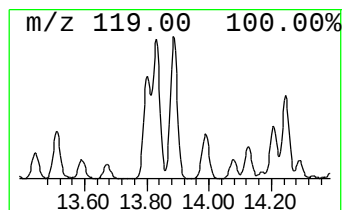
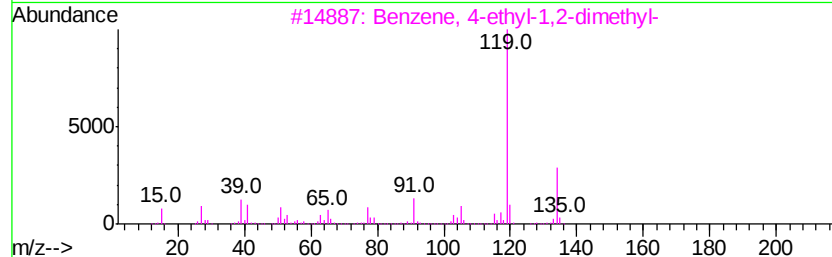
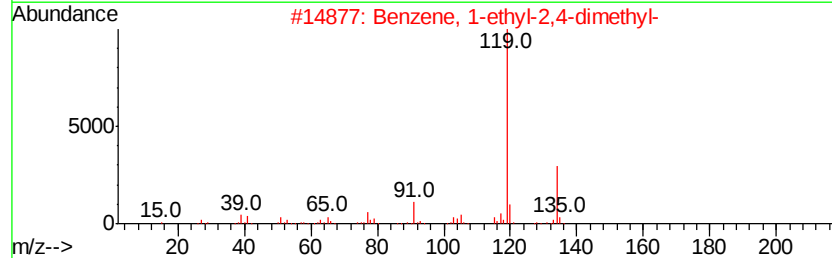
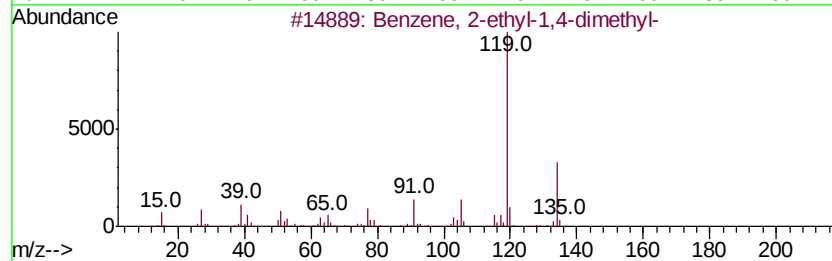
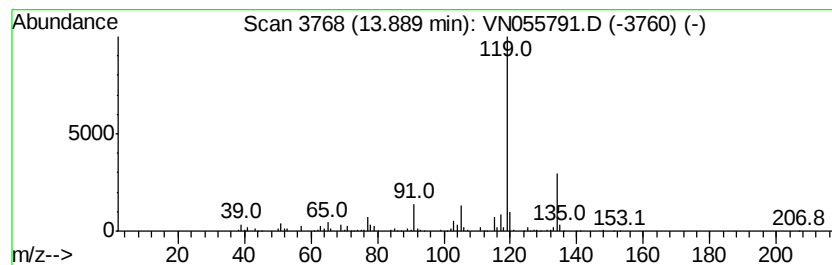
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	14.87 ug/l	469721	1,4-Dichlorobenzene-d4	13.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052419\
Data File : VN055791.D
Acq On : 24 May 2019 13:12
Operator : JC/SP
Sample : K2977-04 100X
Misc : 5.61g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-W-2R(17-20)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.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-et...	11.92	32.0	ug/l	992545	3	11.41	1549060	50.0
Octane, 3,6-dimet...	12.04	18.7	ug/l	580484	3	11.41	1549060	50.0
Pentalene, octahy...	12.12	20.4	ug/l	632434	3	11.41	1549060	50.0
Cyclohexane, propyl-	12.16	40.3	ug/l	1247760	3	11.41	1549060	50.0
Nonane, 4-methyl-	12.34	21.3	ug/l	658337	3	11.41	1549060	50.0
Cyclohexane, 1-me...	12.64	11.6	ug/l	364903	4	13.34	1579490	50.0
Cyclohexane, 1-et...	12.72	62.8	ug/l	1983800	4	13.34	1579490	50.0
Cyclohexane, 1-me...	12.78	15.3	ug/l	483700	4	13.34	1579490	50.0
Decane, 4-methyl-	12.96	37.9	ug/l	1198240	4	13.34	1579490	50.0
Benzene, 2-ethyl-...	13.89	14.9	ug/l	469721	4	13.34	1579490	50.0