LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101018\
Data File : VN051787.D
Acq On : 10 Oct 2018 13:41
Operator : MD\SY
Sample : J5165-18 10X
Misc : 5.51g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.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	1791	1810	1821	rBV	541916	1377517	8.62%	0.586%
2	7.667	1821	1833	1853	rVB	898484	2086134	13.05%	0.888%
3	8.027	1929	1945	1970	rBV	526394	1225217	7.67%	0.521%
4	8.587	2103	2119	2138	rBV	1179648	2400298	15.02%	1.021%
5	9.082	2250	2273	2286	rBV2	146760	351376	2.20%	0.150%
6	9.870	2498	2518	2540	rVB5	57313	184150	1.15%	0.078%
7	10.091	2571	2587	2616	rBV	2437836	4799973	30.03%	2.043%
8	10.259	2630	2639	2658	rVB6	90714	262964	1.65%	0.112%
9	10.432	2685	2693	2707	rVB2	277462	513146	3.21%	0.218%
10	10.532	2711	2724	2733	rBV2	160507	341426	2.14%	0.145%
11	10.628	2745	2754	2763	rVB2	133346	217756	1.36%	0.093%
12	10.718	2772	2782	2793	rVB2	575572	943250	5.90%	0.401%
13	10.821	2801	2814	2826	rBV	307653	648395	4.06%	0.276%
14	10.886	2826	2834	2841	rBV3	206051	362314	2.27%	0.154%
15	10.953	2846	2855	2862	rVV	984946	1500328	9.39%	0.638%
16	11.005	2862	2871	2882	rVB	1664952	2903626	18.17%	1.236%
17	11.059	2883	2888	2896	rVB2	226500	303891	1.90%	0.129%
18	11.124	2896	2908	2916	rBV5	802962	1500827	9.39%	0.639%
19	11.210	2916	2935	2951	rVB6	1244828	3630454	22.71%	1.545%
20	11.294	2951	2961	2969	rBV3	376543	687405	4.30%	0.293%
21	11.407	2985	2996	3015	rBV	1674672	3201750	20.03%	1.362%
22	11.497	3016	3024	3030	rBV2	241306	401426	2.51%	0.171%
23	11.545	3031	3039	3045	rBV	662429	999175	6.25%	0.425%
24	11.593	3045	3054	3063	rBV6	954744	1858501	11.63%	0.791%
25	11.654	3064	3073	3081	rBV	2630337	4767273	29.83%	2.029%
26	11.696	3082	3086	3097	rVB3	1980238	3035179	18.99%	1.292%
27	11.757	3097	3105	3113	rBV3	420393	797483	4.99%	0.339%
28	11.815	3115	3123	3128	rBV2	331046	507412	3.17%	0.216%
29	11.850	3128	3134	3142	rVB4	602432	934377	5.85%	0.398%
30	11.924	3142	3157	3169	rBV5	3439277	8459753	52.93%	3.600%
31	12.046	3187	3195	3202	rBV	3734046	5056886	31.64%	2.152%
32	12.120	3210	3218	3224	rBV2	3518009	5701319	35.67%	2.426%
33	12.165	3224	3232	3249	rVB6	5513118	10752828	67.28%	4.576%
34	12.249	3250	3258	3266	rBV	3055220	4569027	28.59%	1.944%

LSC Area Percent Report

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Peak separation: 5

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Title : SW846 8260

35	12.403	3295	3306	3316	rBV5	2620695	4807790	30.08%	2.046%
36	12.480	3317	3330	3339	rBV5	1495551	4278059	26.77%	1.820%
37	12.564	3347	3356	3359	rBV3	4777065	6945726	43.46%	2.956%
38	12.644	3373	3381	3391	rBV7	1683577	3263773	20.42%	1.389%
39	12.728	3393	3407	3416	rVV5	6083207	15982982	100.00%	6.801%
40	12.779	3418	3423	3434	rVB3	3315560	5147387	32.21%	2.190%
41	12.869	3444	3451	3457	rBV6	1655913	2260081	14.14%	0.962%
42	12.963	3473	3480	3496	rVB5	6630883	11723101	73.35%	4.988%
43	13.172	3531	3545	3553	rBV3	5723491	12422462	77.72%	5.286%
44	13.239	3554	3566	3575	rBV	4177919	7587446	47.47%	3.229%
45	13.445	3624	3630	3636	rBV	926928	1374782	8.60%	0.585%
46	13.513	3644	3651	3657	rBV	3603135	4876388	30.51%	2.075%
47	13.615	3669	3683	3690	rBV2	4933619	10016736	62.67%	4.262%
48	13.667	3690	3699	3708	rVB4	5442580	9804470	61.34%	4.172%
49	13.889	3759	3768	3777	rVB	9231465	14262872	89.24%	6.069%
50	13.943	3778	3785	3791	rVV2	1604842	2577030	16.12%	1.097%
51	13.995	3791	3801	3812	rVB5	5871493	10702151	66.96%	4.554%
52	14.066	3817	3823	3831	rVB3	1094401	1610014	10.07%	0.685%
53	14.178	3850	3858	3862	rBV5	1828946	3065119	19.18%	1.304%
54	14.210	3864	3868	3884	rVB4	3777455	5933195	37.12%	2.525%
55	14.294	3885	3894	3900	rBV	1395613	2167463	13.56%	0.922%
56	14.332	3900	3906	3911	rBV2	645664	801083	5.01%	0.341%
57	14.365	3912	3916	3923	rVB	596421	639552	4.00%	0.272%
58	14.480	3944	3952	3960	rBV3	623365	1178877	7.38%	0.502%
59	14.525	3961	3966	3974	rVV4	711653	1015901	6.36%	0.432%
60	14.586	3974	3985	3997	rVV4	3306708	6756501	42.27%	2.875%
61	14.651	3997	4005	4015	rVV2	955092	1656722	10.37%	0.705%
62	14.702	4016	4021	4029	rVB5	231684	341352	2.14%	0.145%
63	14.850	4061	4067	4073	rVV4	560108	867936	5.43%	0.369%
64	14.889	4073	4079	4090	rVV2	594181	1078018	6.74%	0.459%
65	14.956	4091	4100	4112	rVB3	793874	1702825	10.65%	0.725%
66	15.046	4122	4128	4135	rVV2	124350	185232	1.16%	0.079%
67	15.091	4136	4142	4155	rVB3	156834	280043	1.75%	0.119%
68	15.239	4180	4188	4199	rVV4	126089	233638	1.46%	0.099%
69	15.615	4298	4305	4316	rVB2	96826	174915	1.09%	0.074%

Sum of corrected areas: 235004458

LSC Report - Integrated Chromatogram

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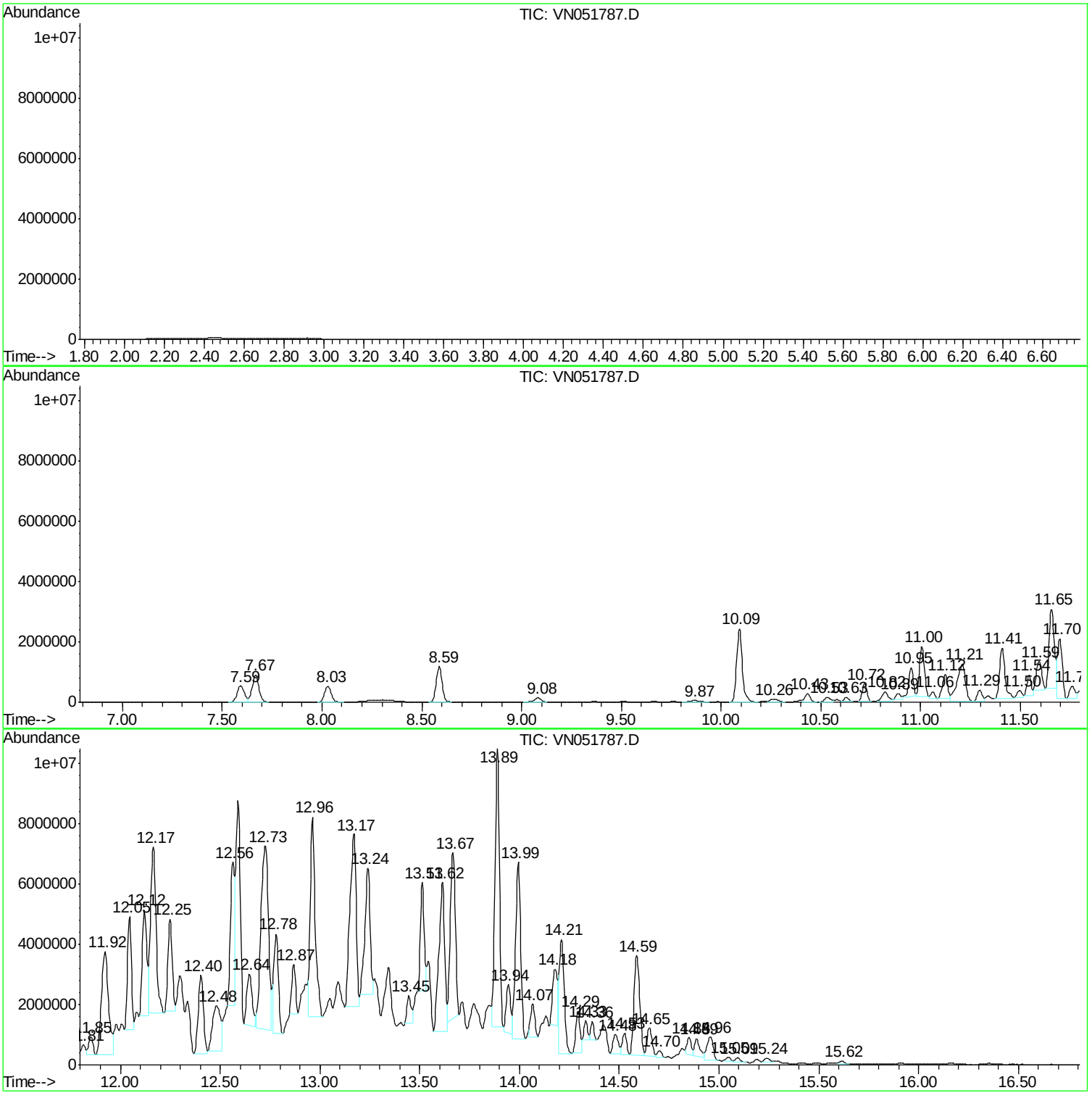
Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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



Library Search Compound Report

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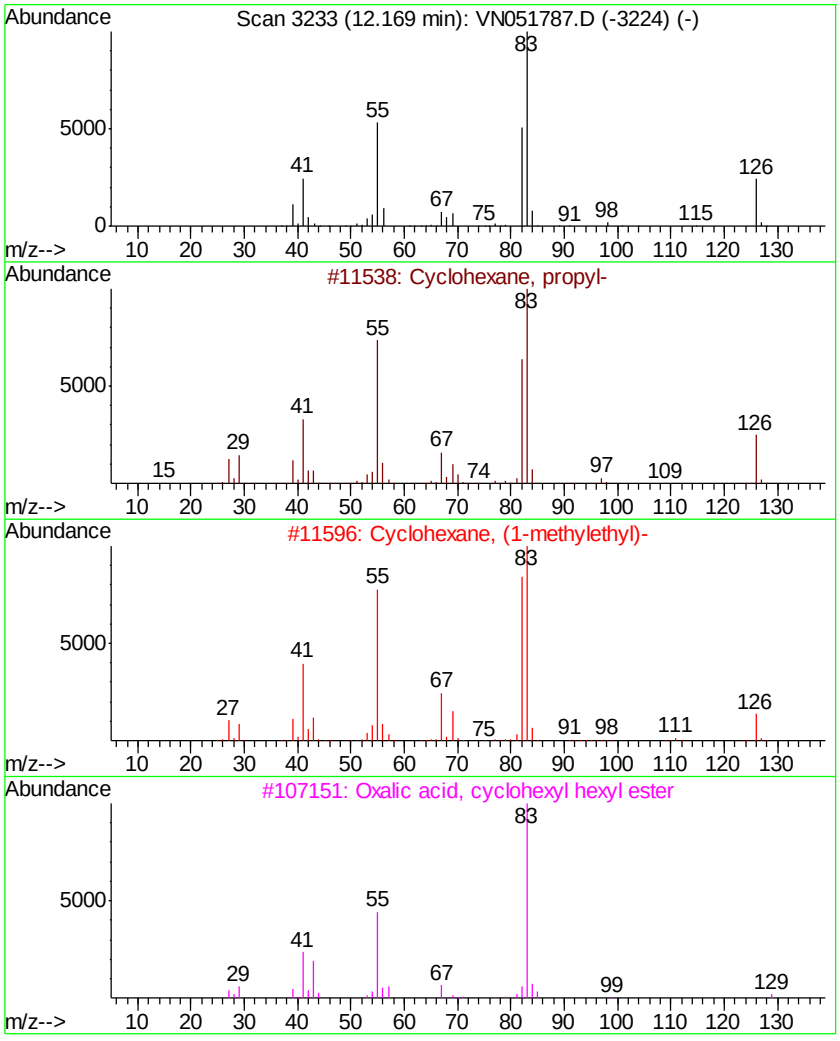
TIC Integration Parameters: LSCINT.P

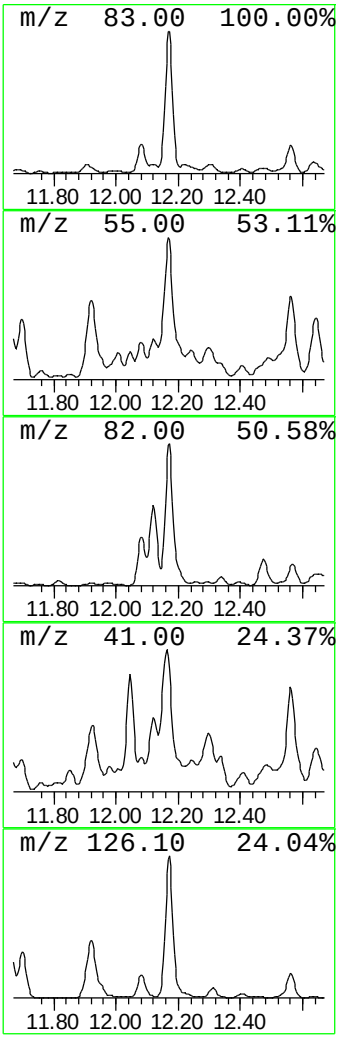
****

Peak Number 1 Cyclohexane, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	167.92 ug/l	10752800	Chlorobenzene-d5	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
3	Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	50
4	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	50
5	Oxalic acid, cyclohexyl dodecyl ...	340	C20H36O4	1000309-31-4	50





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Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
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TIC Library : C:\DATABASE\NIST11.L
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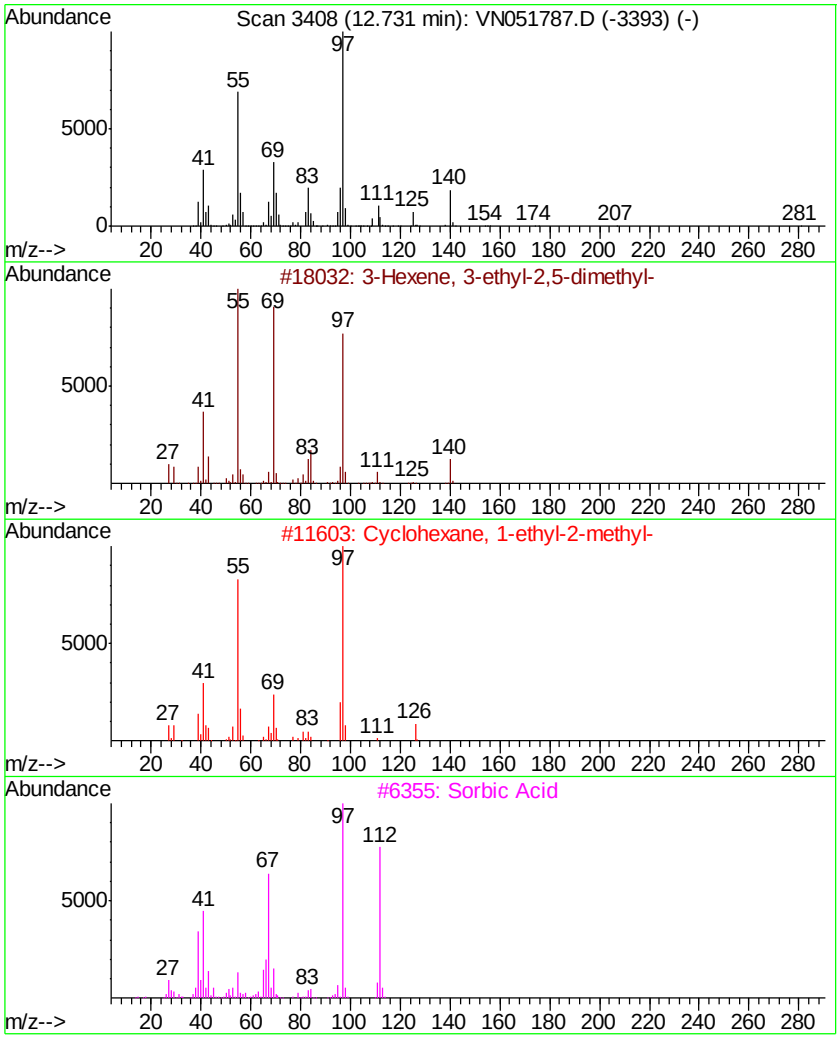
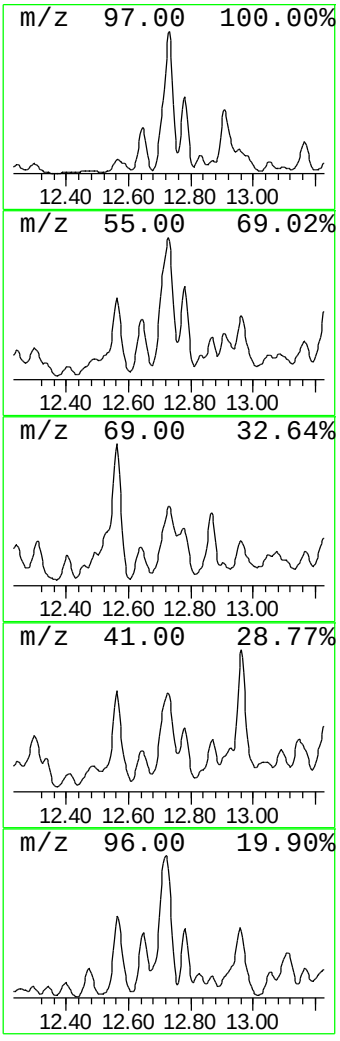
****

Peak Number 2 3-Hexene, 3-ethyl-2,5-dimet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	581.29 ug/l	15983000	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	64
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52
3	Sorbic Acid	112	C6H8O2	000110-44-1	50
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
5	5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	49





Library Search Compound Report

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ALS Vial : 12 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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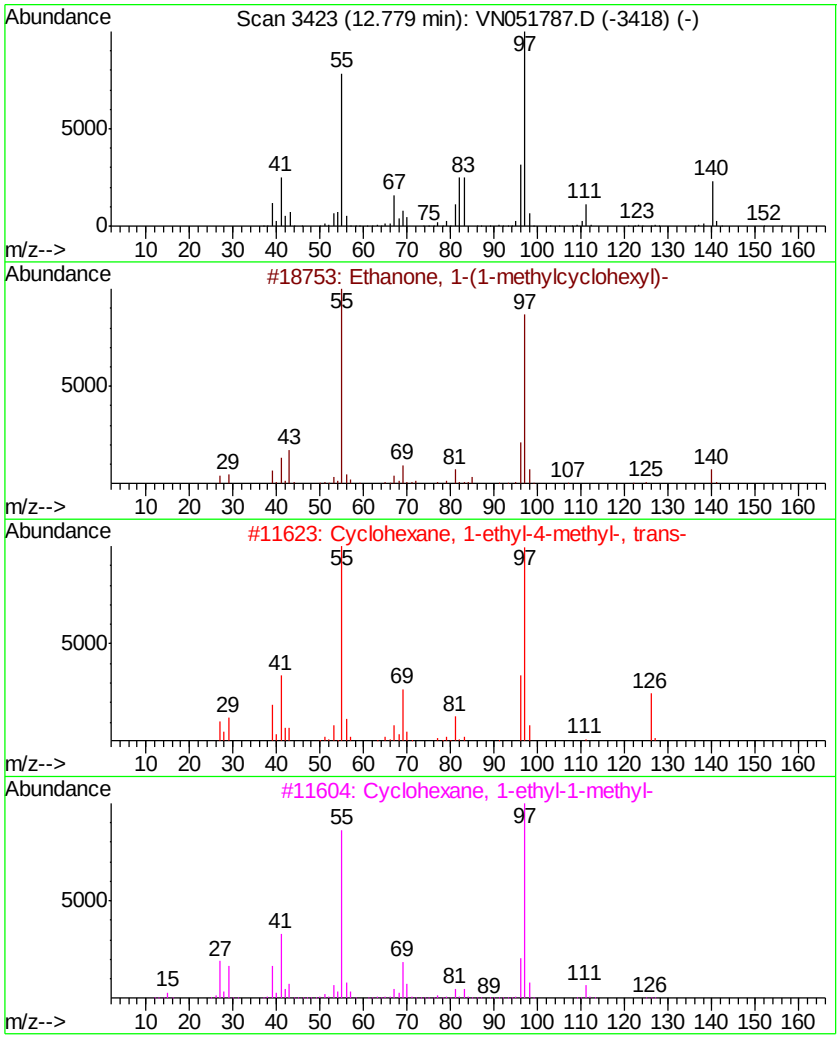
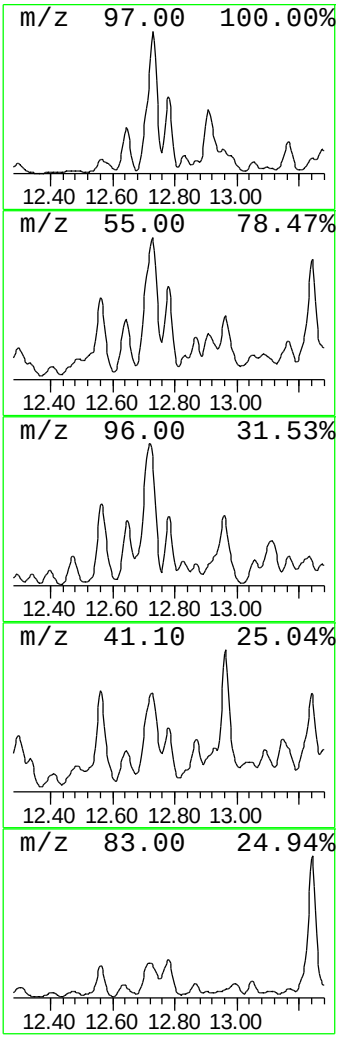
****

Peak Number 3 Ethanone, 1-(1-methylcycloh... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	187.21 ug/l	5147390	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	50
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
4	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	50
5	Cyclohexane, (bromomethyl)-	176	C7H13Br	002550-36-9	50





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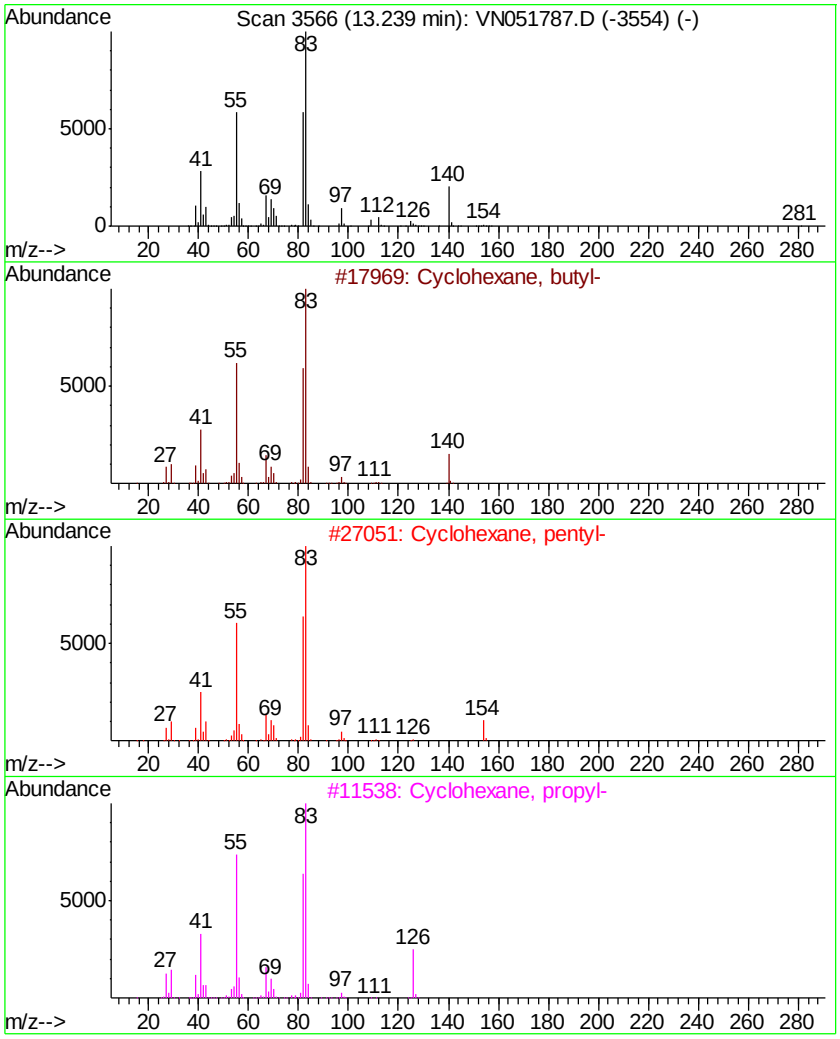
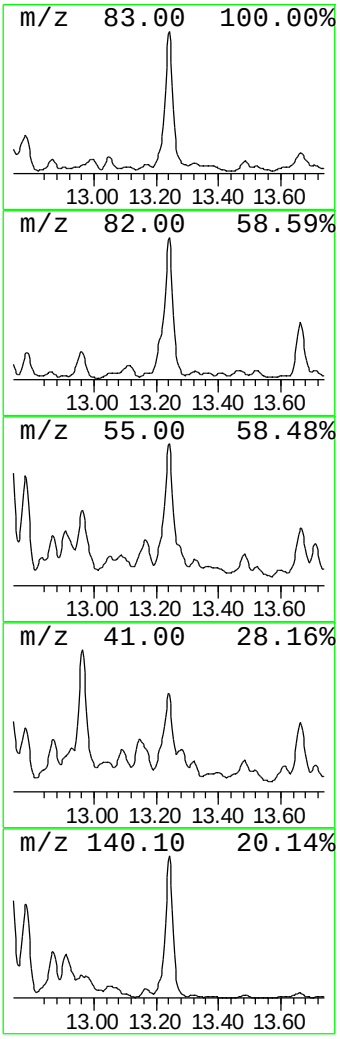
****

Peak Number 4 Cyclohexane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	275.95 ug/l	7587450	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	80
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	80





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ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

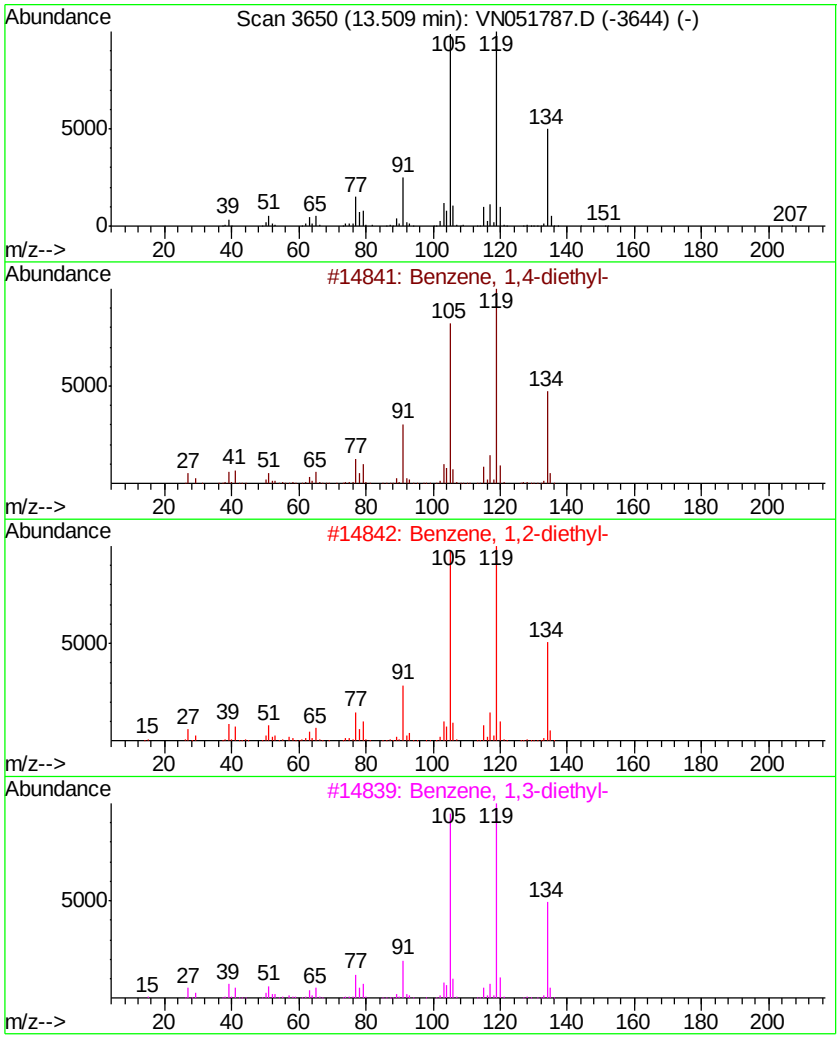
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

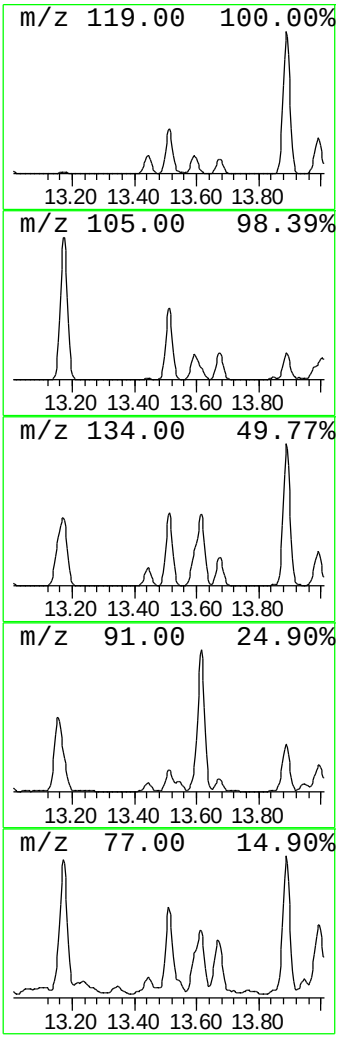
****

Peak Number 5 Benzene, 1,4-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	177.35 ug/l	4876390	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

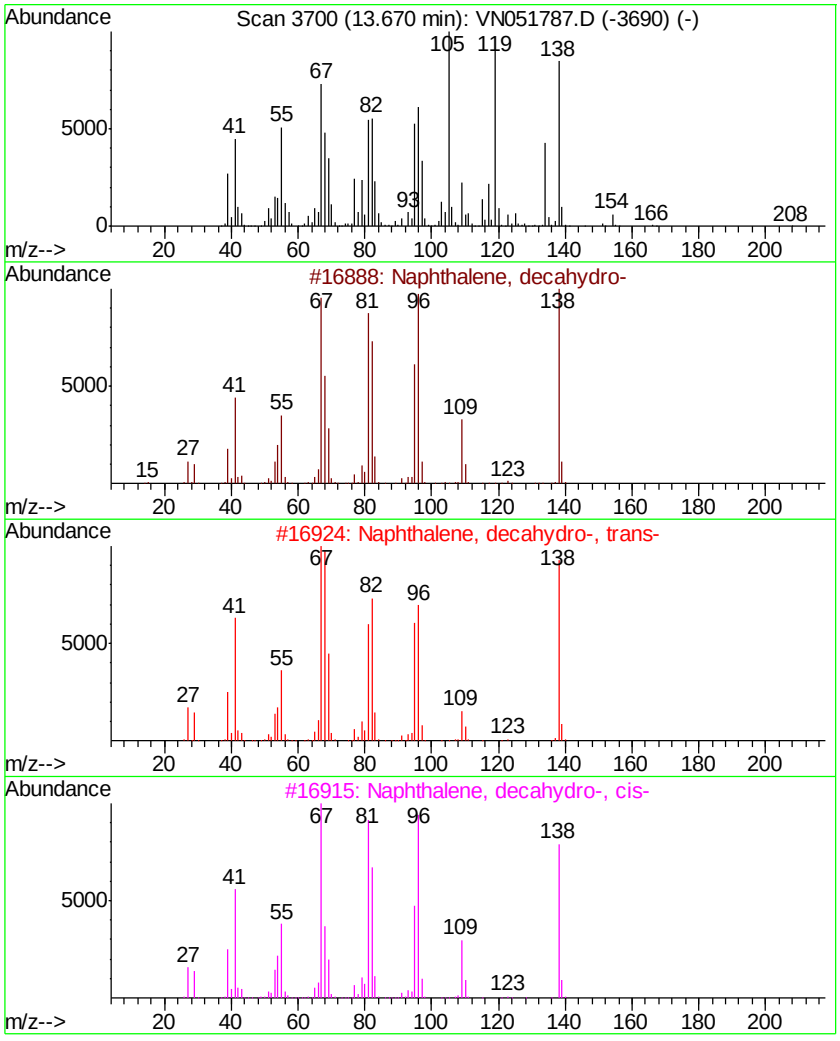
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

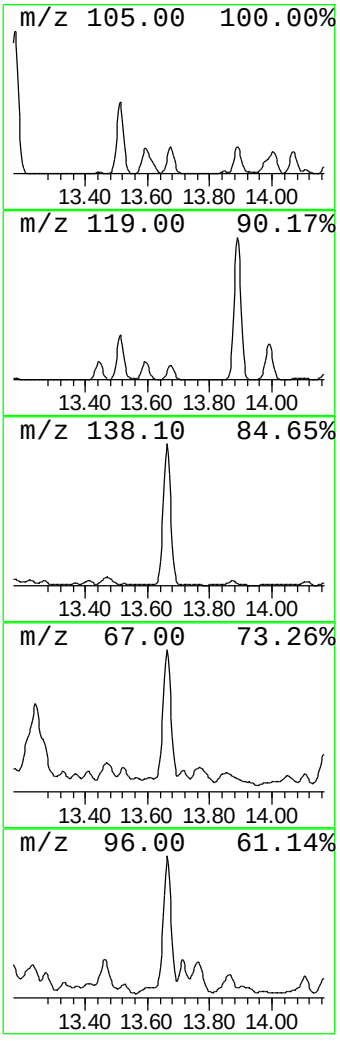
****

Peak Number 6 Naphthalene, decahydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	356.58 ug/l	9804470	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	98
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	83
4	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	64
5	Spiro[4.5]decane	138	C10H18	000176-63-6	64





Library Search Compound Report

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Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

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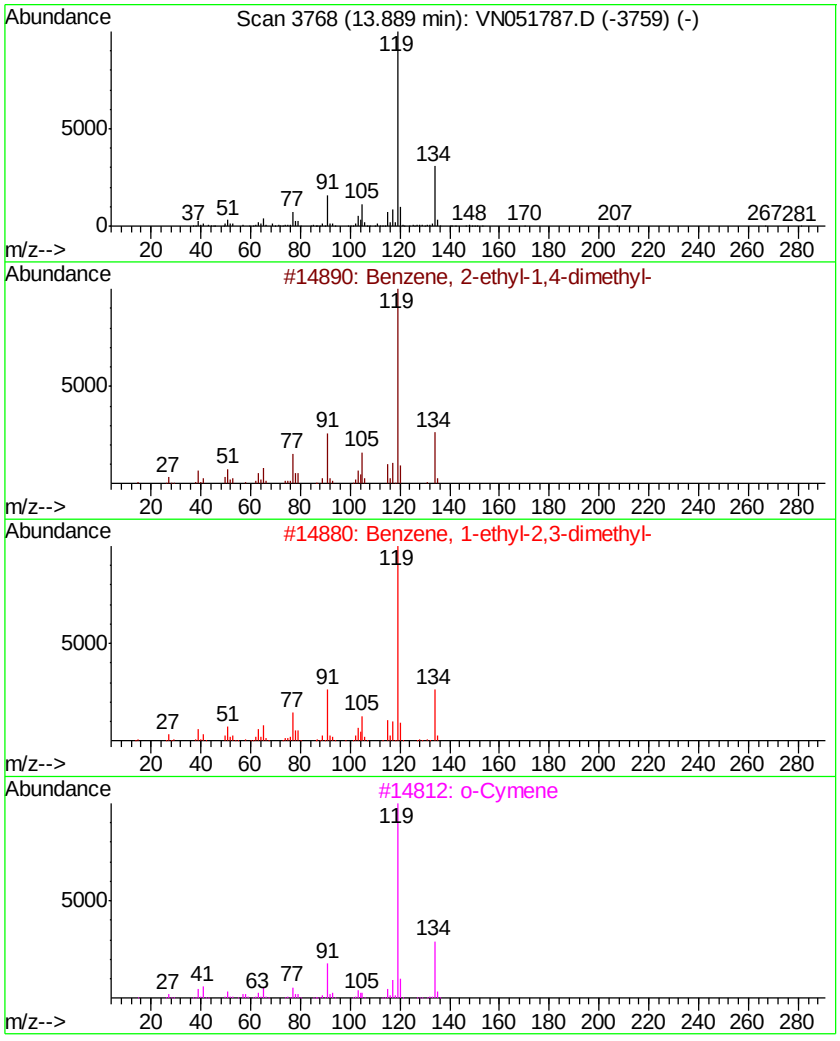
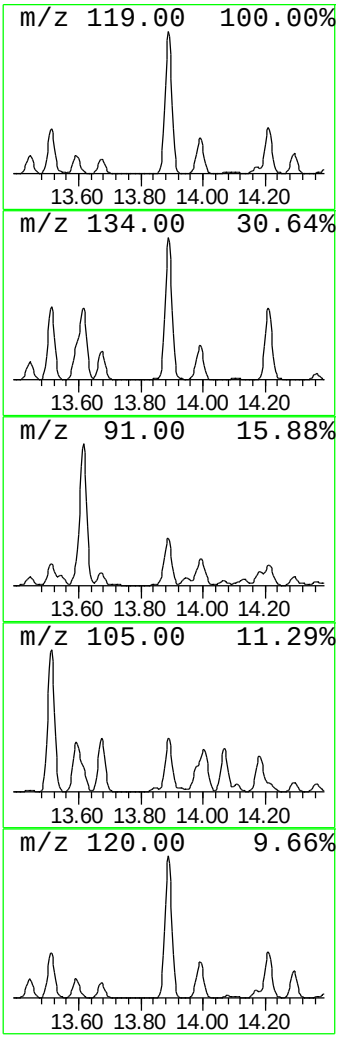
Peak Number 7 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	518.73 ug/l	14262900	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101018\
Data File : VN051787.D
Acq On : 10 Oct 2018 13:41
Operator : MD\SY
Sample : J5165-18 10X
Misc : 5.51g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

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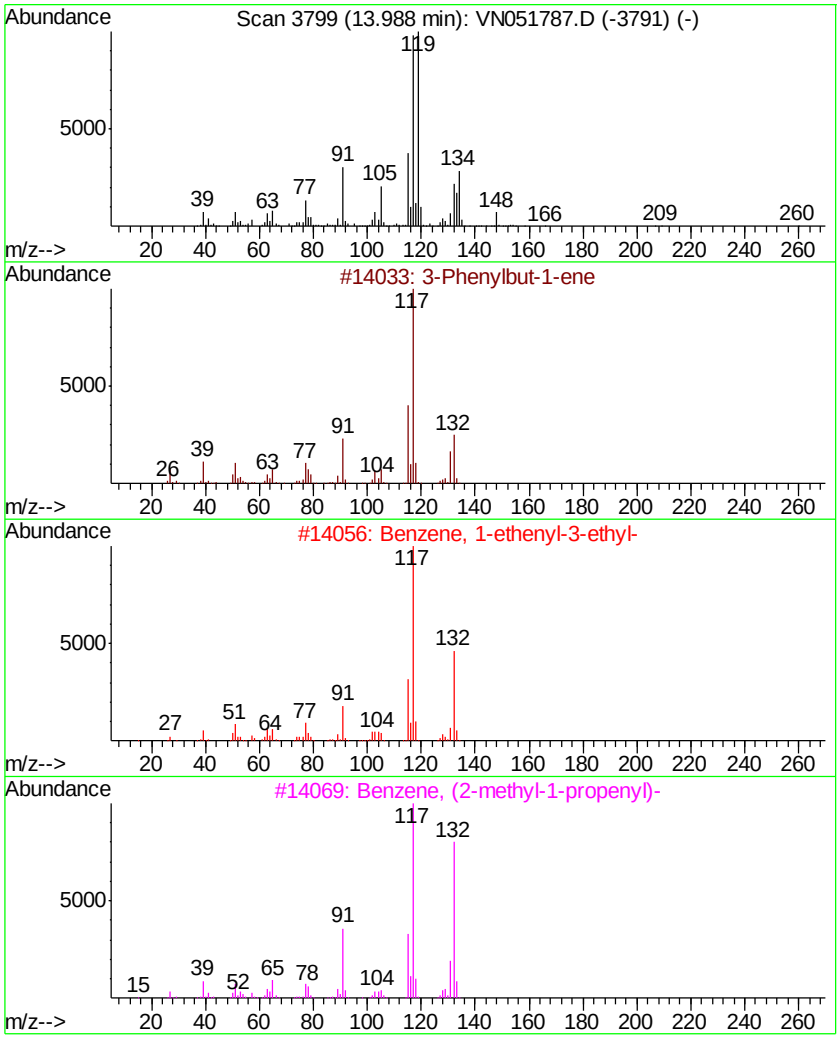
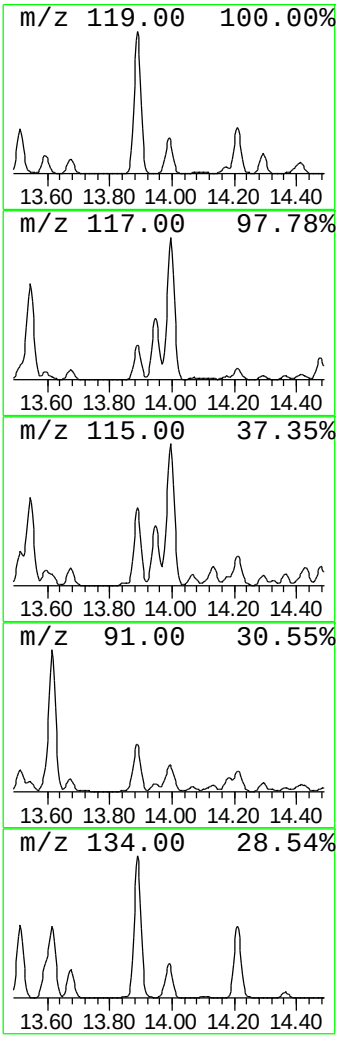
Peak Number 8 3-Phenylbut-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	389.23 ug/l	10702200	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	78
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	60
5	Indan, 1-methyl-	132	C10H12	000767-58-8	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101018\
Data File : VN051787.D
Acq On : 10 Oct 2018 13:41
Operator : MD\SY
Sample : J5165-18 10X
Misc : 5.51g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

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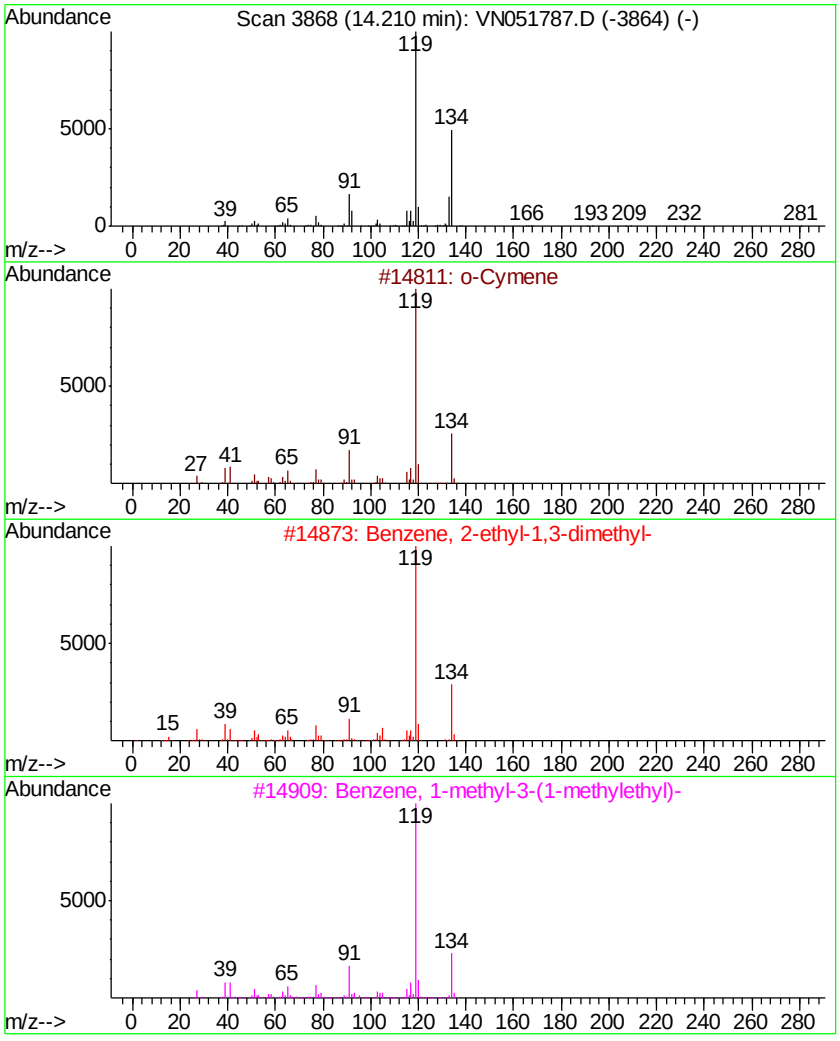
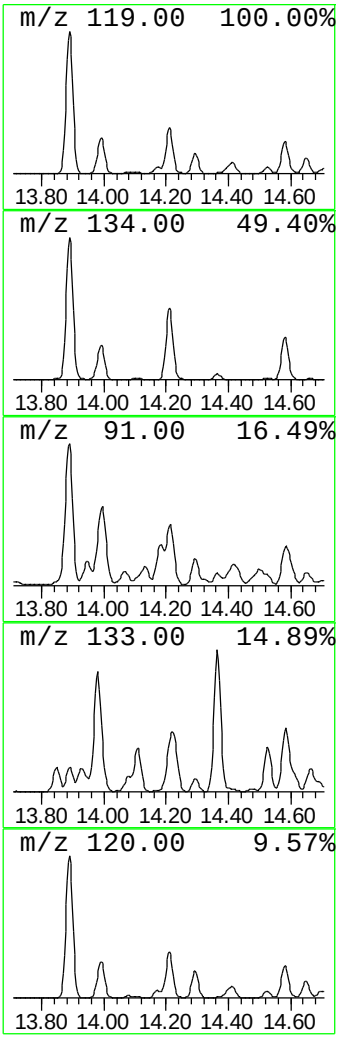
Peak Number 9 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	215.79 ug/l	5933200	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	90
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	p-Cymene	134	C10H14	000099-87-6	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101018\
Data File : VN051787.D
Acq On : 10 Oct 2018 13:41
Operator : MD\SY
Sample : J5165-18 10X
Misc : 5.51g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : EP1-MW-A(8-12)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, propyl-	12.17	167.9	ug/l	10752800	3	11.41	3201750	50.0
3-Hexene, 3-ethyl...	12.73	581.3	ug/l	15983000	4	13.35	1374780	50.0
Ethanone, 1-(1-me...	12.78	187.2	ug/l	5147390	4	13.35	1374780	50.0
Cyclohexane, butyl-	13.24	275.9	ug/l	7587450	4	13.35	1374780	50.0
Benzene, 1,4-diet...	13.51	177.3	ug/l	4876390	4	13.35	1374780	50.0
Naphthalene, deca...	13.67	356.6	ug/l	9804470	4	13.35	1374780	50.0
Benzene, 2-ethyl-...	13.89	518.7	ug/l	14262900	4	13.35	1374780	50.0
3-Phenylbut-1-ene	13.99	389.2	ug/l	10702200	4	13.35	1374780	50.0
o-Cymene	14.21	215.8	ug/l	5933200	4	13.35	1374780	50.0